FINAL
Preliminary Assessment Report
Whiteman AASF
Whiteman, Missouri

Perfluorooctane-Sulfonic Acid (PFOS) and Perfluorooctanoic Acid (PFOA) Impacted Sites
ARNG Installations, Nationwide

March 2020

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Acronyms and Abbreviations

°F	degrees Fahrenheit
µg/L	micrograms per liter
AASF	Army Aviation Support Facility
AECOM	AECOM Technical Services, Inc.
AFB	Air Force Base
AFFF	aqueous film forming foam
AOI	area of interest
ARNG	Army National Guard
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
FTA	Fire Training Area
IRP	Installation Restoration Program
MOARNG	Missouri Army National Guard
ng/L	nanograms per liter
NOAA	National Oceanic and Atmospheric Administration
PA	Preliminary Assessment
PFAS	per- and poly-fluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
ROD	Record of Decision
SI	Site Inspection
SRAA	Surface Runoff Accumulation Analysis
US	United States
USACE	United States Army Corps of Engineers
USAF	United State Air Force
USEPA	United States Environmental Protection Agency
WWTP	waste water treatment plant

Executive Summary

The United States (US) Army Corps of Engineers (USACE) Baltimore District on behalf of the Army National Guard (ARNG) Installations & Environment Division, Cleanup Branch contracted AECOM Technical Services, Inc. (AECOM) to perform *Preliminary Assessments (PAs) and Site Inspections (SIs) for Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) Impacted Sites at ARNG Facilities Nationwide*. The ARNG is assessing potential effects on human health related to processes at facilities that used per- and poly-fluoroalkyl substances (PFAS), primarily in the form of aqueous film forming foam released during firefighting activities or training, although other PFAS sources are possible.

AECOM completed a PA for PFAS at the Whiteman Army Aviation Support Facility (AASF; also referred to as the "facility") in Whiteman, Missouri, to assess potential PFAS release areas and exposure pathways to receptors. The AASF is constructed on a parcel of land that is owned by the US Air Force (USAF), and the USAF permits the land to the US Army. The US Army then licenses the land to the State of Missouri for use by the Missouri ARNG (MOARNG). The license began in July 2011 and is valid for a term of 25 years. The performance of this PA included the following tasks:

- Reviewed data resources to obtain information relevant to suspected PFAS releases
- Conducted a site visit on 9 July 2019
- Interviewed current MOARNG personnel, MOARNG environmental managers, and operations staff
- Completed visual site inspections at known or suspected PFAS release locations and documented with photographs
- Identified potential Areas of Interest (AOIs) at the facility

Two AOIs related to potential PFAS releases were identified at the AASF during the PA. The AOIs are shown on **Figure ES-1** and described in **Table ES-1**.

Table ES-1: AOIs at Whiteman AASF

Areas of Interest	Name	Used by	Potential Release Dates
AOI 1	Main Hangar	USAF	1970s to 1992
		MOARNG	2011, 2015
AOI 2	Cold Storage Hangar	MOARNG	Unknown

Documented releases of PFAS-containing materials at the AASF indicated that the releases were contained to an oil water separator system that discharges to Wastewater Treatment Plant (WWTP) Holding Ponds located at Whiteman Air Force Base. The WWTP Holding Ponds were identified as a potential source by USAF. Although current or former ARNG activities resulted in the release of PFAS containing materials, the environmental media at and near the AASF were not directly impacted. Based on the US Environmental Protection Agency (USEPA) Unregulated Contaminant Monitoring Rule 3 data, it was indicated that no PFAS were detected in a public water system above the USEPA lifetime Health Advisory within 20 miles of the facility.

Potential PFAS sources located adjacent to the AASF were identified during the PA (**Figure ES-1**). USAF is currently completing investigations at the adjacent sources.

CLIENT	ARNG			
PROJECT	Preliminary Assessment for PFAS at Whiteman AASF, MO			
REVISED	12/12/2019	GIS BY	MS	12/12/2019
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Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,		PM	RG	12/12/2019

Summary of Findings

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Figure ES-1

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1. Introduction

1.1 Authority and Purpose

The United States (US) Army Corps of Engineers (USACE) Baltimore District on behalf of the Army National Guard (ARNG) Installations & Environment Division, Cleanup Branch contracted AECOM Technical Services, Inc. (AECOM) to perform *Preliminary Assessments (PAs) and Site Inspections (SIs) for Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA) Impacted Sites at ARNG Facilities Nationwide* under Contract Number W912DR-12-D-0014, Task Order W912DR17F0192, issued 11 August 2017. The ARNG is assessing potential effects on human health related to processes at their facilities that used per- and poly-fluoroalkyl substances (PFAS), primarily releases of aqueous film forming foam (AFFF) although other sources of PFAS are possible. In addition, the ARNG is assessing businesses or operations adjacent to the ARNG facility (not under the control of ARNG) that could potentially be responsible for a PFAS release.

PFAS are classified as emerging environmental contaminants that are garnering increasing regulatory interest due to their potential risks to human health and the environment. PFAS formulations contain highly diverse mixtures of compounds. Thus, the fate of these PFAS compounds in the environment will vary. The regulatory framework at both federal and state levels continues to evolve. The US Environmental Protection Agency (USEPA) issued Drinking Water lifetime Health Advisories for PFOA and PFOS in May 2016, but there are currently no promulgated national standards regulating PFAS in drinking water. In the absence of federal maximum contaminant levels, some states have adopted their own drinking water standards for PFAS. The State of Missouri does not currently have drinking water or soil standards for PFAS.

This report presents findings of a PA for PFAS at the Whiteman Army Aviation Support Facility (AASF; also referred to as the “facility”) in Whiteman, Missouri in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, the National Oil and Hazardous Substances Pollution Contingency Plan (40 Code of Federal Regulations Part 300), and USACE requirements and guidance.

This PA documents the known locations where PFAS may have been released into the environment at the AASF. The term PFAS will be used throughout this report to encompass all PFAS chemicals being evaluated, including PFOS and PFOA, which are key components of AFFF.

1.2 Preliminary Assessment Methods

The performance of this PA included the following tasks:

- Reviewed data resources to obtain information relevant to suspected PFAS releases
- Conducted a site visit on 9 July 2019
- Interviewed current Missouri ARNG (MOARNG) personnel, MOARNG environmental managers, and operations staff
- Completed visual site inspections at known or suspected PFAS release locations and documented with photographs
- Identified Areas of Interest (AOIs) at the facility

1.3 Report Organization

This report has been prepared in accordance with the USEPA *Guidance for Performing Preliminary Assessments under CERCLA* (USEPA, 1991). The report sections and descriptions of each are:

- **Section 1** – **Introduction:** identifies the project purpose and authority and describes the facility location, environmental setting, and methods used to complete the PA.
- **Section 2** – **Fire Training Areas:** describes the fire training areas (FTAs) at the facility identified during the site visit.
- **Section 3** – **Non-Fire Training Areas:** describes other locations of potential PFAS releases at the facility identified during the site visit.
- **Section 4** – **Emergency Response Areas:** describes areas of potential PFAS release at the facility, specifically in response to emergency situations.
- **Section 5** – **Adjacent Sources:** describes sources of potential PFAS release adjacent to the facility that are not under the control of ARNG.
- **Section 6** – **Preliminary Conceptual Site Model:** describes the pathways of PFAS transport and receptors at each AOI.
- **Section 7** – **Conclusions:** summarizes the data findings and presents the conclusions of the PA.
- **Section 8** – **References:** provides the references used to develop this document.
- **Appendix A** – Data Resources
- **Appendix B** – Preliminary Assessment Documentation
- **Appendix C** – Photographic Log

1.4 Facility Location and Description

The AASF is in Johnson County in central Missouri (**Figure 1-1**). The City of Warrensburg is approximately 10 miles to the northwest of the facility. The AASF is an enclave of Whiteman Air Force Base (AFB). The facility is accessible from Missouri Highway 23 from the north and south.

The AASF is located within Whiteman Air Force Base (AFB) and has a total land area of approximately 37.69 acres. This land is owned by the US Air Force (USAF), and USAF permits the land to the US Army. The US Army then licenses the land to the State of Missouri for use by the MOARNG. The license began in July 2011 and is valid for a term of 25 years. The footprint of the current AASF was used by USAF for fire training activities prior to the MOARNG licensing the 37.69 acres.

1.5 Facility Environmental Setting

Eastern Johnson County is in the northeastern corner of the Osage Plains, a section of the Central Lowlands of the Interior Plains physiographic province (Fenneman, 1917). The Interior Plains are those parts of the interior of the continental US that exhibit lower relief compared to the surrounding provinces, regardless of their absolute altitude; the altitude at the AASF is approximately 840 feet above mean sea level. The Osage Plains are generally described by Fenneman as, “old scarped plains beveling faintly inclined strata with its main streams entrenched” and is are section of the Central Lowlands that lie south of the glaciated areas of the US (Fenneman, 1928).

1.5.1 Geology

The bedrock of central Missouri is uplifted Carboniferous strata of the Pennsylvanian Period. This uplift is known as the Ozark Uplift, which has an asymmetrical axis resulting in a steep eastern limb and a gentler dipping western limb. The AASF is located on the far edge of this western limb, which has a regional dip of 15 to 20 feet per mile to the south-southwest (Waite & Thompson, 1993). Despite the structural uplift, topography at the AASF is nearly level (EDR, 2019).

The Pennsylvanian stratum that underlies the AASF belongs to the Desmoinesian Series, comprising the Cherokee Formation, with small outcrops of the overlying Marmaton Formation nearby (Starbuck, 2017). The Cherokee Formation is composed primarily of thin interbedded shales, clays, siltstones and coal, with minor beds of sandstone and fine-grained limestone (Hinds & Greene, 1915). The Marmaton Formation, by contrast, is composed entirely of greenish-gray shales, cross-bedded sandstones, and contains no coal beds (Branson, 1962). Quaternary alluvium overlies the bedrock along riverbanks and their floodplains.

Underlying the Pennsylvanian strata are Paleozoic limestones of the Ozark Aquifer, an important hydrogeologic resource in the region.

1.5.2 Hydrogeology

Based on the findings of the 2015 Whiteman AFB PA, there are five groundwater-bearing units utilized in the area surrounding the AASF. These units include: (1) a deposit of surficial Quaternary alluvium; (2) the Cherokee Group; (3) Mississippian limestones of the Osage Series; (4) Ordovician-aged formations, specifically the Jefferson City Dolomite, Roubidoux Formation, and the Gasconade Dolomite; and (5) the Cambrian-aged Eminence Dolomite (CH2M Hill, 2015).

These formations vary considerably in thickness and groundwater yield; the information in the following table (**Table 1-1**) has been adapted from the Whiteman AFB SI (Aerostar, 2018):

Table 1-1: Groundwater-Bearing Units at Whiteman AASF

Aquifer	Thickness (feet)	Yield (gallons per minute)
Quaternary Alluvium	0-30	Low, Not Normally Used for Potable Water
Cherokee Formation	150-200	1 – 3
Osage Series	50	1 – 15
Ordovician System	600	15 – 125
Eminence Dolomite	>200	250+

The Quaternary alluvium is an unconfined aquifer susceptible to surface water contamination with unpredictable recharge rates and is therefore infrequently used for supplying water. The Cherokee Formation contains a considerable thickness of clay, shale, and siltstone and primarily acts as an aquitard for the underlying aquifers. The Osage Series yields a moderate amount of groundwater and is suitable mainly for domestic use. Underlying the Osage is approximately 100 feet of limestone and sandstone of the Kinderhook Series, which is not used as an aquifer. The formations of the Ordovician System and the Cambrian Eminence Dolomite are within the Ozark Aquifer, providing the main water resource for the area; combined yields of the Ozark Aquifer can exceed 375 gallons per minute. The total thickness of these formations underlying the AASF is estimated to be greater than 1200 ft (Aerostar, 2018).

There are eight water supply wells within the boundary of Whiteman AFB that are used for drinking water on base and at the AASF. All of the wells extract groundwater from Ordovician or Cambrian age aquifers that are overlain by the Ozark confining unit, rendering these wells protected from any potential contaminants in the surficial aquifer. The base water supply wells are at an approximate total depth of 1,000 feet below ground surface. In 2016, the eight wells were tested for six PFAS compounds. Analytical results indicated that none of the PFAS compounds tested for were detected in any of the wells (Aerostar, 2018). There is one Whiteman AFB water supply well within the boundary of the AASF, and one located side gradient to the northwest, approximately 1 mile from the AASF (**Figure 1-2**). Groundwater flow was to the southwest during the Whiteman AFB SI; however, based on the results of a 2004 basewide water level measurement round, groundwater flows radially to the north, northeast, and east. The cause for these different flow directions is uncertain and may be attributed to seasonal variations in precipitation and recharge (Aerostar, 2018).

1.5.3 Hydrology

The Whiteman AASF Surface Runoff Accumulation Analysis (SRAA) indicates that flow accumulation in small tributaries increases as water flows to the east, along the topography of the facility to Long Branch Creek (**Figure 1-3**); a Google Earth elevation profile shows an approximate drop of 15 feet in elevation from west to east across the facility, while elevation in the westward direction is relatively flat (MOARNG, 2016).

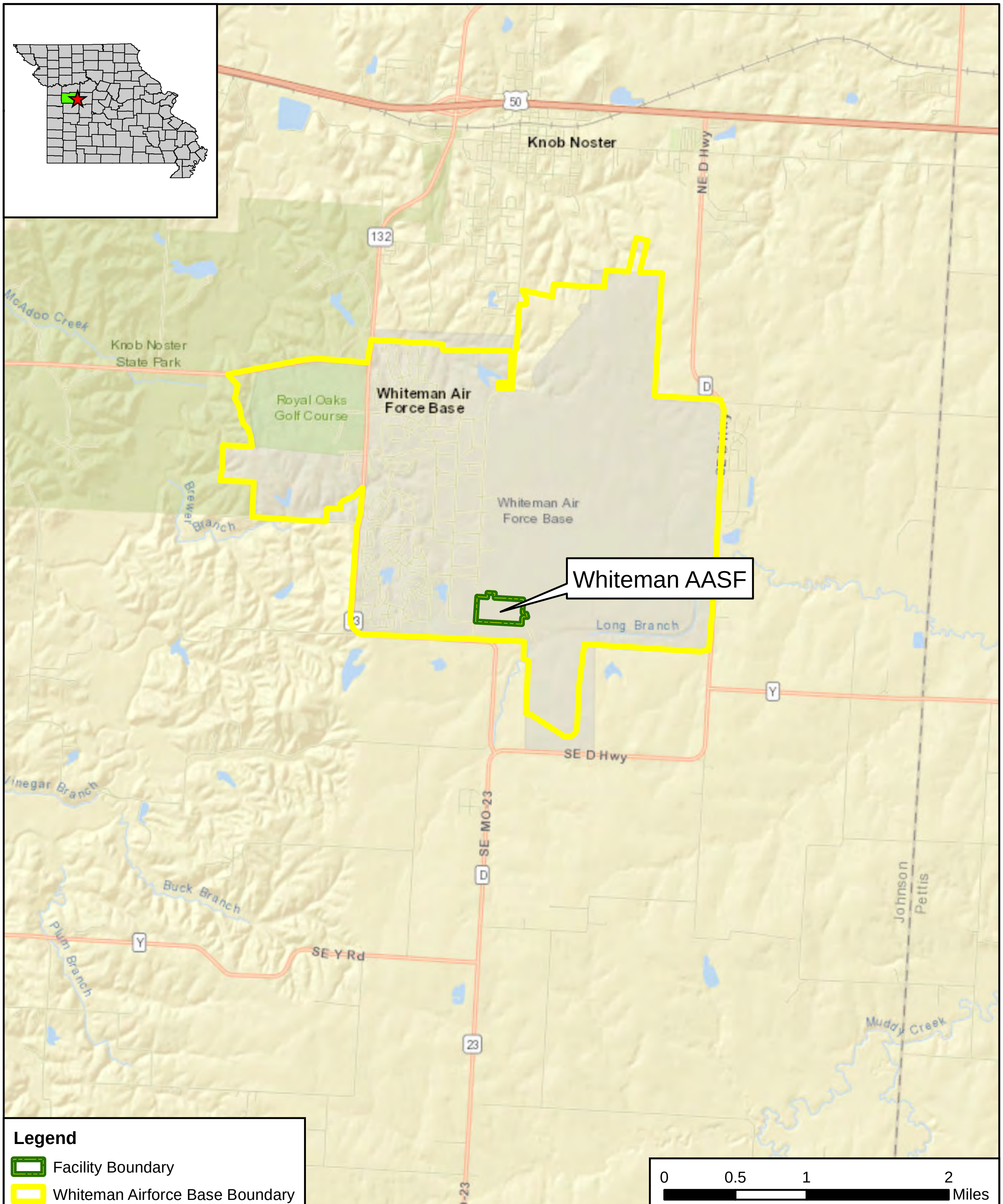
Most of the surficial waterways present exist to the west of the site. Kranz Lake is approximately 1 mile southwest of the facility, while tributaries of the Clear Fork Blackwater River, the Brewer Branch, Graham Branch, and Gribble Branch Creeks lie less than 2 miles west of the AASF. The Blackwater River eventually drains to the Missouri River (CH2M Hill, 2015).

1.5.4 Climate

Climate data were available from National Oceanic and Atmospheric Administration (NOAA) weather station USC00232568, located 27.5 miles to the northwest of the AASF, in Johnson County. Missouri has a temperate continental climate. Precipitation in the form of rainfall was recorded at an annual average of 42.1 inches per year, with July being the rainiest month, with over 6.6 inches. Snowfall precipitation falls at an annual average of 10.9 inches, with February being the snowiest month, with 3.44 inches. Summer temperatures reach an average temperature of 75.6 degrees Fahrenheit (°F) and an average maximum of 85.8°F, with July being the hottest month. Winter months reach an average temperature of 32.2°F. Winter minimum temperatures reach an average low of 22.2°F, with January being the coldest (NOAA, 2019).

1.5.5 Current and Future Land Use

The AASF is a controlled access facility and is an enclave of Whiteman AFB. Reasonably anticipated future land use is not expected to change from the current land use; however, future infrastructure improvements, land acquisitions, and land use controls at the Whiteman AFB and surrounding areas are unknown.



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PROJECT	Preliminary Assessment for PFAS at Whiteman AASF, MO			
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Base Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI,		PM	RG	12/12/2019

Facility Location

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Figure 1-1

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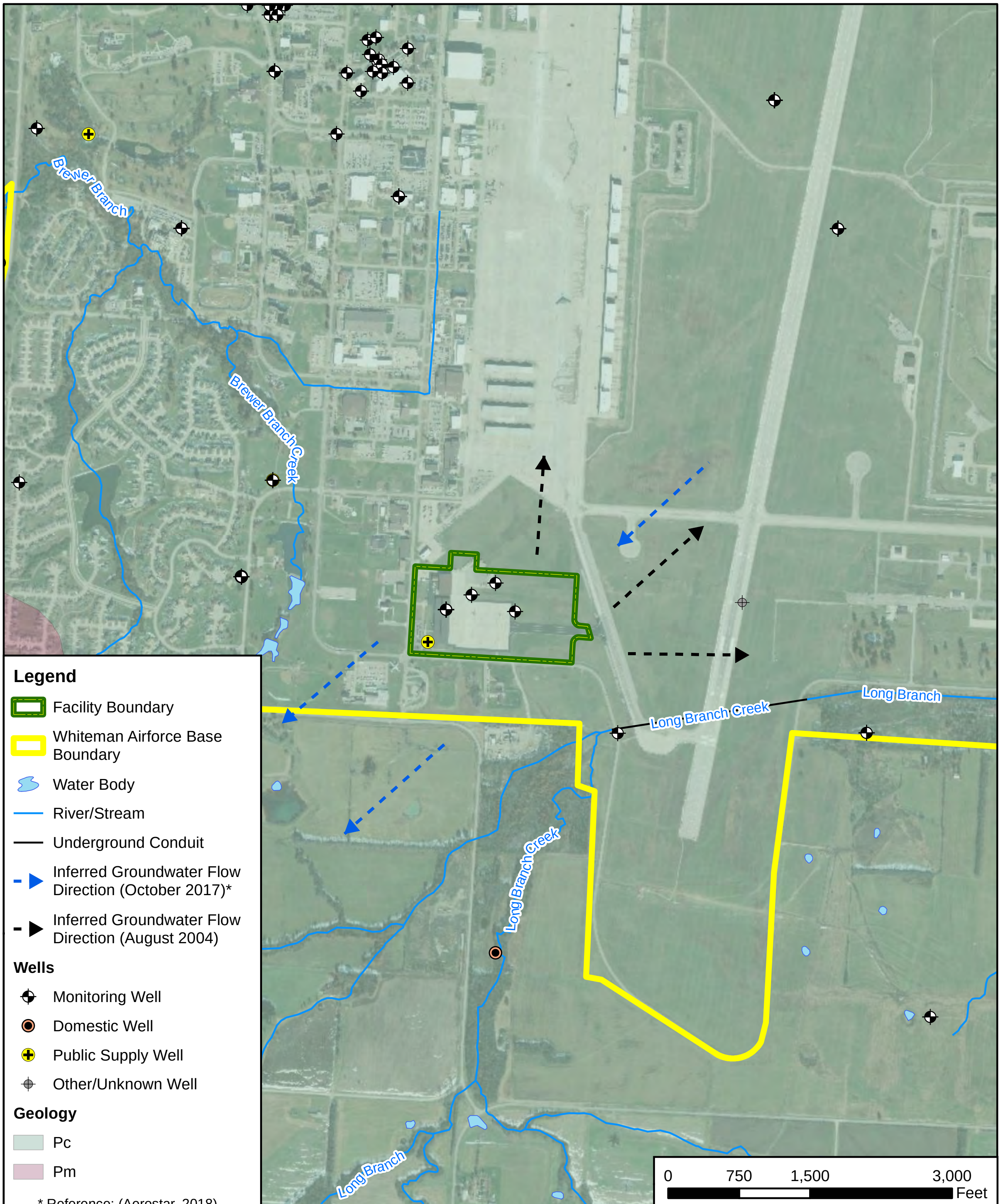

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Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,		PM	RG	12/12/2019

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Groundwater Features

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Figure 1-2

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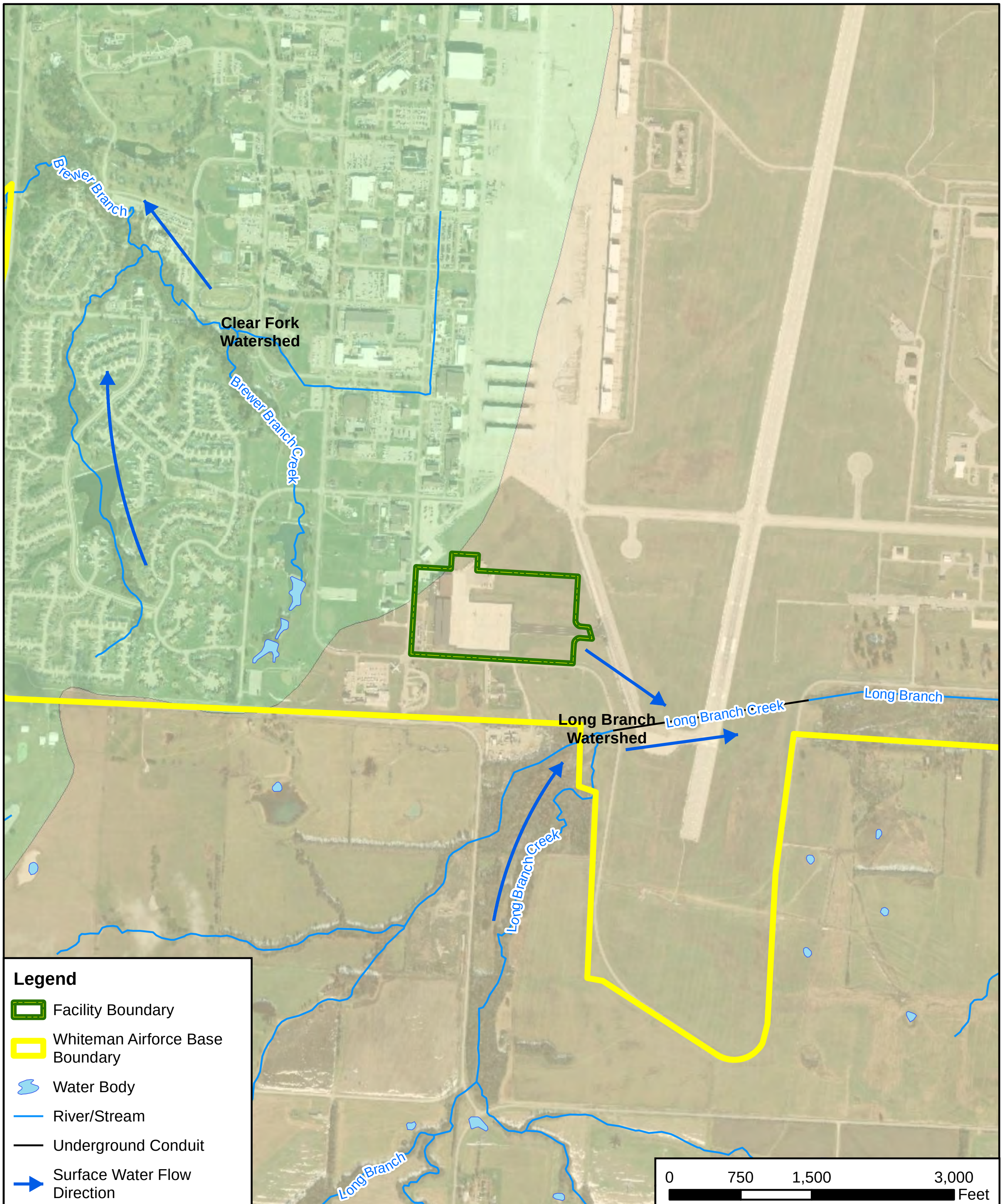

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Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,		PM	RG	12/12/2019

Surface Water Features

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Figure 1-3

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2. Fire Training Areas

One FTA was identified at the AASF during the PA through reports (**Appendix** A), interviews (**Appendix B**), historical document review, and the Environmental Data Resource Report.

2.1 US Air Force Former Fire Training Area FT-02

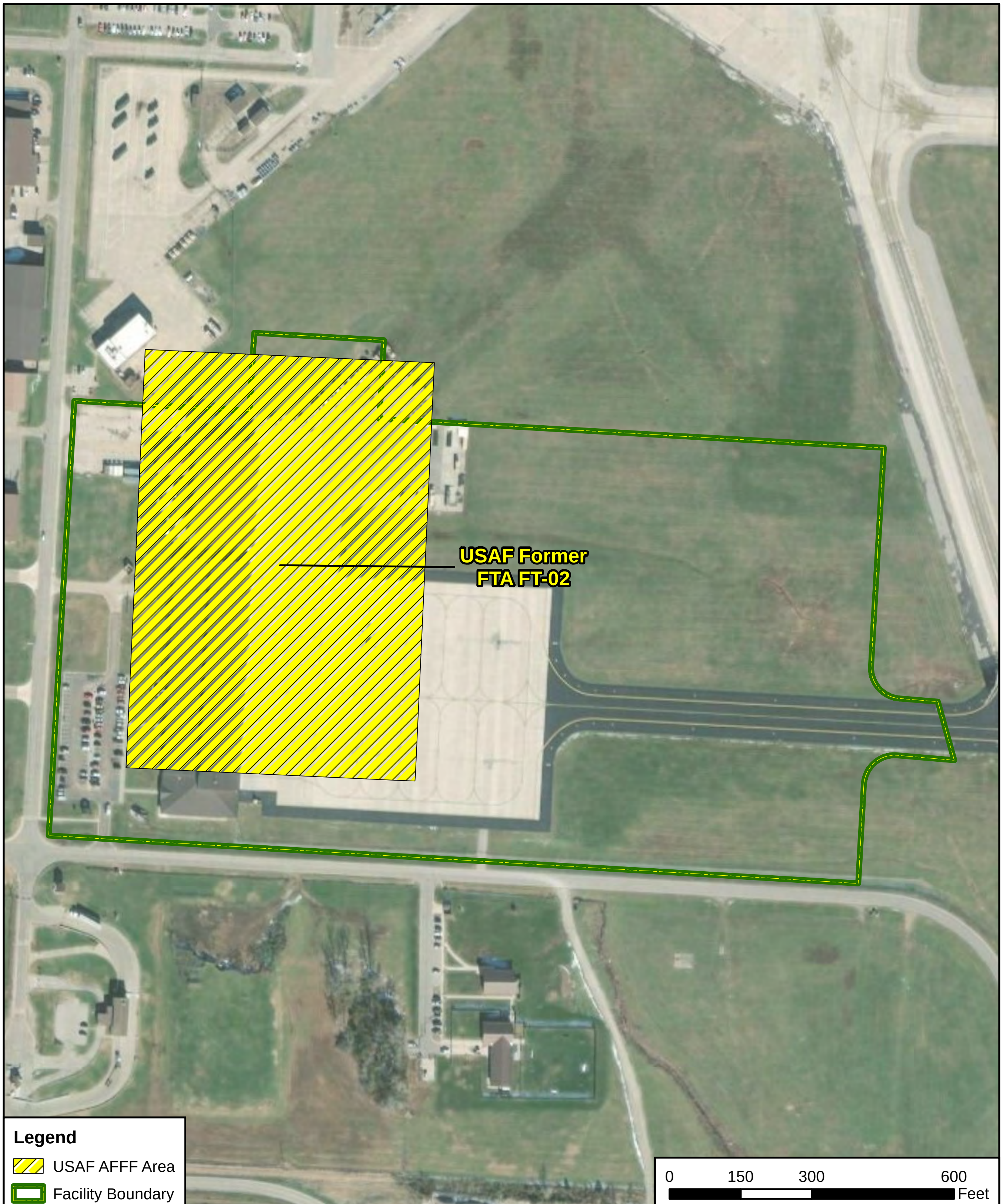
The footprint of the current AASF was used by USAF for fire training activities and was identified as the location of the former FTA FT-02 (**Figure 2-1**). USAF used FTA FT-02 from the mid-1960s until 1992. Former structures included two burn pits, a lined pond with an oil-water separator, and an underground fuel storage tank. It is not confirmed that AFFF was used at the former FTA; however, AFFF use is considered likely since USAF started using AFFF in the 1970s (Aerostar, 2018).

In the early 2000s, FTA FT-02 was designated as an Installation Restoration Program (IRP) site for Whiteman AFB to address benzene contamination. Remediation activities included excavation and long-term monitoring. In 2005, the Record of Decision (ROD) identified institutional controls and groundwater monitoring as the remedies for the IRP site. A ROD Amendment in 2011 discontinued groundwater monitoring at the location, and the current ARNG AASF hangar/ramp area was constructed (Aerostar, 2018).

In 2018, a site investigation was completed at Whiteman AFB (**Appendix A**), where FTA FT-02 was designated as an area of concern for potential PFAS contamination. Media potentially impacted by PFAS at the former FTA FT-02 included subsurface soil and groundwater. Surface soil was not identified as a media of concern because impacted soil was removed during previous remediation activities completed under the IRP, and most of the site had been covered by the helipad. Surface water and sediment were not identified as media of concern because they were not identified in the immediate vicinity (Aerostar, 2018).

Based on the results of the SI, apparent use of AFFF by USAF during training activities at FTA FT-02 has resulted in releases of PFAS to the environment. The only impacted media was groundwater. The combined PFOA and PFOS concentrations in three groundwater samples ranged from 8,000 nanograms per liter (ng/L) to 89,000 ng/L, all above the USEPA HA for groundwater 70 ng/L. Private wells within 4 miles of the Whitman AFB are cased to a minimum depth of 80 feet below the surficial aquifer and extract groundwater from below one or more confining units; therefore, the human exposure pathway via ingestion for impacted groundwater (surficial aquifer) was determined to be incomplete. The SI recommended future characterization after State or Federal soil/groundwater standards are promulgated to further assess groundwater flow and to delineate PFAS impacts at the former FTA FT-02. USAF will continue with further investigations and restorations on the parcel of land licensed to the MOARNG (Aerostar, 2018).

In addition, the SI indicated that groundwater flow direction required further characterization. Water level measurements collected during the SI indicated groundwater flow to be southwest, and water level measurements collected in 2004 indicated groundwater flows radially to the north, northeast, and east. The cause for these different flow directions is uncertain but may be attributed to seasonal variations in precipitation and recharge (Aerostar, 2018).



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REVISED	12/12/2019	GIS BY	MS	12/12/2019
SCALE	1:3,600	CHK BY	SI	12/12/2019
Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,		PM	RG	12/12/2019

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Fire Training Area

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Figure 2-1

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3. Non-Fire Training Areas

Two non-FTAs where PFAS was potentially released was also identified during the PA. A description of the non-FTA is presented below and shown on **Figure 3-1**. Interview records appear in **Appendix B**, and photographs appear in **Appendix C**.

The MOARNG occupies two hangars at the AASF that have AFFF fire suppression systems. The floor drains and trenches within the hangars dispense to the oil/water separator, then to the Whiteman AFB Waste Water Treatment Plant (WWTP) Holding Ponds, which are adjacent to the AASF. Industrial wastewater containing AFFF is routed through the industrial wastewater system directly to the WWTP Holding Ponds. When AFFF is present in the wastewater, the WWTP is bypassed, and the wastewater is transferred to the northernmost Holding Pond, then filters to the southern Holding Pond (CH2M Hill, 2015). The WWTP Holding Ponds were addressed during the Site Investigation conducted at Whiteman AFB (Aerostar, 2018).

Since the MOARNG has occupied the AASF, there has never been AFFF fire extinguishers at the AASF. The AASF contains Purple K™ fire extinguishers on the ramp, and ABC fire extinguishers in the hangars.

3.1 Main Hangar

The Main Hangar is where aircraft maintenance occurs, and the geographical coordinates are 38°43'1.65"N; 93°33'42.71"W. The Main Hangar was constructed between 2010-2011, and the MOARNG were the first occupants of the hangar. The hangar fire suppression system is equipped with a 500-gallon tank containing 2% C2 High Expansion Foam. The first release was a full system release in 2011, when the fire suppression system was installed. The hangar doors were closed, and the foam went down the trench drains in the hangar to an oil water separator system that discharges to the Whiteman ADB WWTP Holding Ponds. The second release was in 2015, where a bladder rupture on the foam tank resulted in a full 500-gallon tank release in the room where the fire suppression tank was held. The foam was contained in the room and washed down the floor drain, which drains to an oil water separator system that discharges to the Whiteman AFB WWTP Holding Ponds.

3.2 Cold Storage Hangar

The Cold Storage Hangar is used for storage of aircraft, parts, and other maintenance supplies. The geographical coordinates are 38°43'5.71"N; 93°33'42.36"W. The Cold Storage Hangar fire suppression system is equipped with a 350-gallon tank containing 2% C2 High Expansion Foam. The fire suppression system has leaking valves, but there has never been a full release of the foam system in the hangar or fire suppression room. The maximum amount of foam that leaked at one time would be 20-30 gallons. Any foam that leaks from the valves is allowed to dry and is then swept up and/or goes down the floor drain, which drains to an oil water separator system that discharges to the Whiteman AFB WWTP Holding Ponds. The fire suppression system bladder was repaired in February 2020, and is no longer leaking.

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Non-Fire Training Areas

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Figure 3-1

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4. Emergency Response Areas

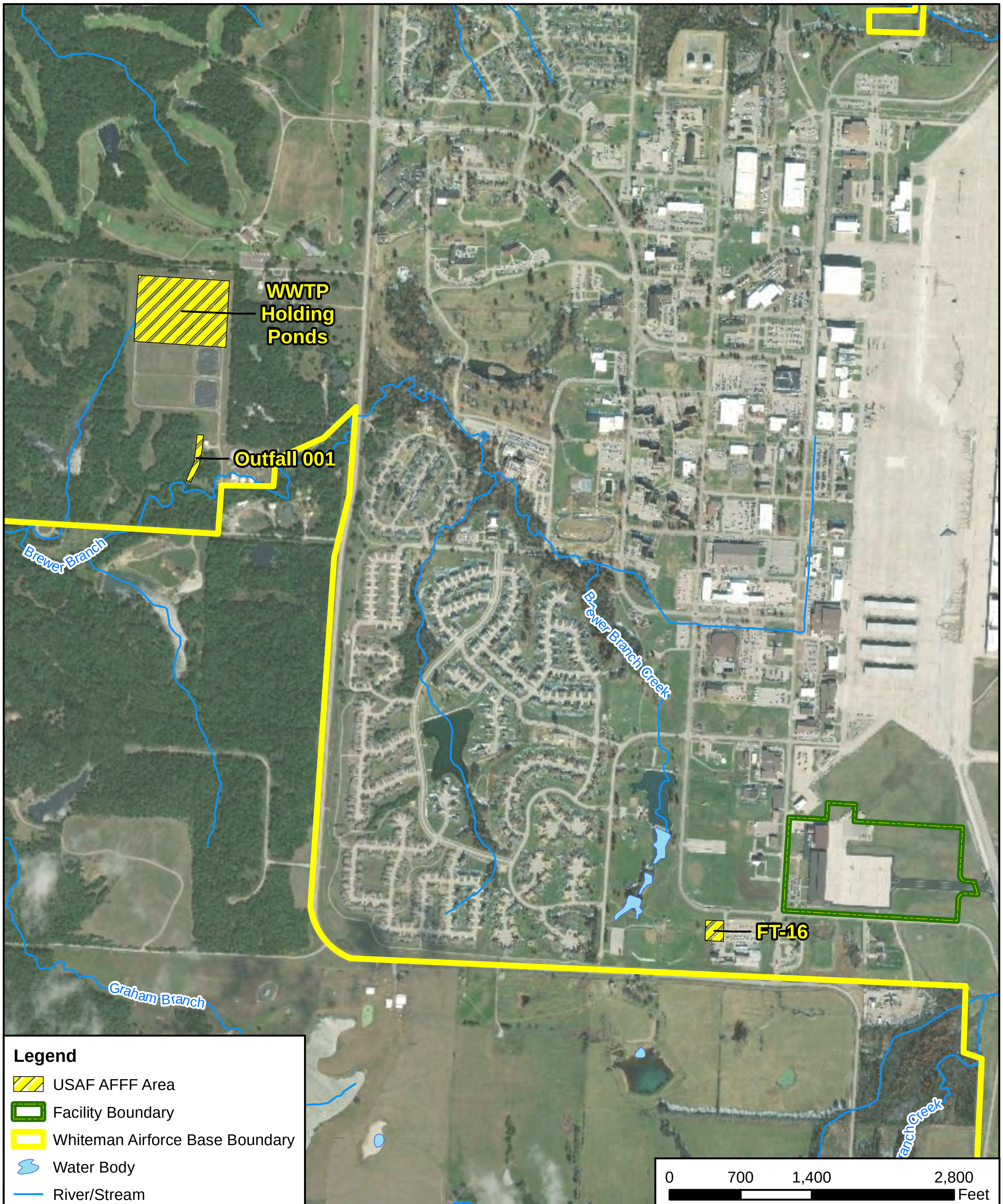
No emergency response areas or incidents were identified within the AASF during the PA through interviews (**Appendix B**), historical document review, or the Environmental Data Resource Report. The Whiteman AFB Fire Department responds to all emergency incidents at the AASF.

5. Adjacent Sources

Three off-site PFAS sources adjacent to the AASF were identified during the PA through interviews and document review (**Appendix A** and **Appendix B**). The PA/SI completed at Whiteman AFB confirms the use of AFFF, which has resulted in releases of PFAS to the environment (CH2M Hill, 2015; and Aerostar, 2018) (**Appendix A**). **Table 5-1** summarizes the findings of the SI completed at Whiteman AFB. **Figure 5-1** presents the location of potential AASF adjacent source areas.

Table 5-1: Adjacent Sources

Area	Description	SI Findings
WWTP Holding Ponds	Discharge of wastewater from the facility containing AFFF lead to the WWTP Holding Ponds.	Future characterization after State or Federal soil/groundwater standards are promulgated
Outfall 001	The only surface water discharge location from WWTP.	Future characterization after State or Federal soil/groundwater standards are promulgated
Former FTA (FT-16)	It is unknown when or if AFFF was discharged at FT-16, but based on historical records, it is assumed that contaminated fuels were burned during the training exercises.	Future characterization after State or Federal soil/groundwater standards are promulgated



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Adjacent Sources

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Figure 5-1

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6. Preliminary Conceptual Site Model

Based on the PA findings, two AOIs were identified at the AASF: AOI 1 Main Hangar and AOI 2 Cold Storage Hangar (**Figure 6-1**). The AOI locations are shown on **Figure 6-1**. A CSM identifies three components necessary for potentially complete exposure pathways related to a site: (1) source, (2) pathway, and (3) receptor. If any of these elements are missing, the pathway is considered incomplete. The releases from both AOIs drained directly to the oil/water separator, which discharges to the Whiteman AFB WWTP Holding Ponds. Based on the findings of the Whitman AFB SI, the WWTP Holding Ponds were identified as an AFFF release area by USAF and recommended for future characterization after State or Federal soil/groundwater standards are promulgated to assess and delineate PFAS impacts. No CSMs were generated because there was no impact to media within the boundary of the AASF by the MOARNG activities, and the USAF will be addressing any PFAS impacts at the Whiteman AFB WWTP Holding Tanks (Aerostar, 2018)

7. Conclusions

This report presents a summary of available information gathered during the PA on the use and storage of AFFF and other PFAS-related activities at the AASF. The PA findings are based on the information presented in **Appendix A** and **Appendix B**.

7.1 Findings

Two AOIs related to potential PFAS release were identified (**Table 7-1**) at the AASF during the PA (**Figure 7-1**).

Table 7-1: AOIs at Whiteman AASF

Area of Interest	Name	Used by	Potential Release Dates
AOI 1	Main Hangar	USAF	1970s to 1992
		MOARNG	2011, 2015
AOI 2	Cold Storage Hangar	MOARNG	Unknown

Although ARNG activities resulted in the release of PFAS-containing materials at AOI 1 and AOI 2, the environmental media at the AASF were not directly impacted. However, there may be potentially complete exposure pathways at the Whiteman AFB WWTP Holding Ponds due to the ARNG release. The ARNG releases were contained to an oil water separator system that discharges to the Whiteman AFB WWTP Holding Ponds.

Three off-facility sources located adjacent to the AASF were identified as potential PFAS sources during the PA (**Figure 7-1**). USAF is currently completing investigations at the adjacent sources.

7.2 Uncertainties

A number of information sources were investigated during this PA to determine the potential for PFAS-containing materials to have been present, used, or released at the facility. Historically, documentation of PFAS use was not required because PFAS were considered benign. Therefore, records were not typically kept by the facility or available during the PA on the use of PFAS in training, firefighting, or other non-traditional activities, or on its disposition.

The conclusions of this PA are predominantly based on the information provided during interviews with personnel who had direct knowledge of PFAS use at the facility. Sometimes, the provided information was vague or conflicted with other sources. Gathered information has a degree of uncertainty due to the absence of written documentation, the limited number of personnel with direct knowledge due to staffing changes, the time passed since PFAS were first used (1970 to present), and a reliance on personal recollection. Inaccuracies may arise in potential PFAS release locations, dates of release, volume of releases, and the concentration of AFFF used. There is also a possibility the PA has missed a source of PFAS, as the science of how PFAS may enter the environment continually evolves.

In order to minimize the level of uncertainty, readily available data regarding the use and storage of PFAS were reviewed, retired and current personnel were interviewed, multiple persons were interviewed for the same potential source area, and potential source areas were visually inspected. **Table 7-2** summarizes the uncertainties associated with the PA.

Table 7-2: Uncertainties

Area of Interest	Source of Uncertainty
AOI 2	No information was available on the amount and/or how frequently foam was leaking from the fire suppression system in the Cold Storage Hangar.
AASF	Due to seasonal variations in precipitation and recharge changes, the groundwater direction can vary, and needs further characterization.

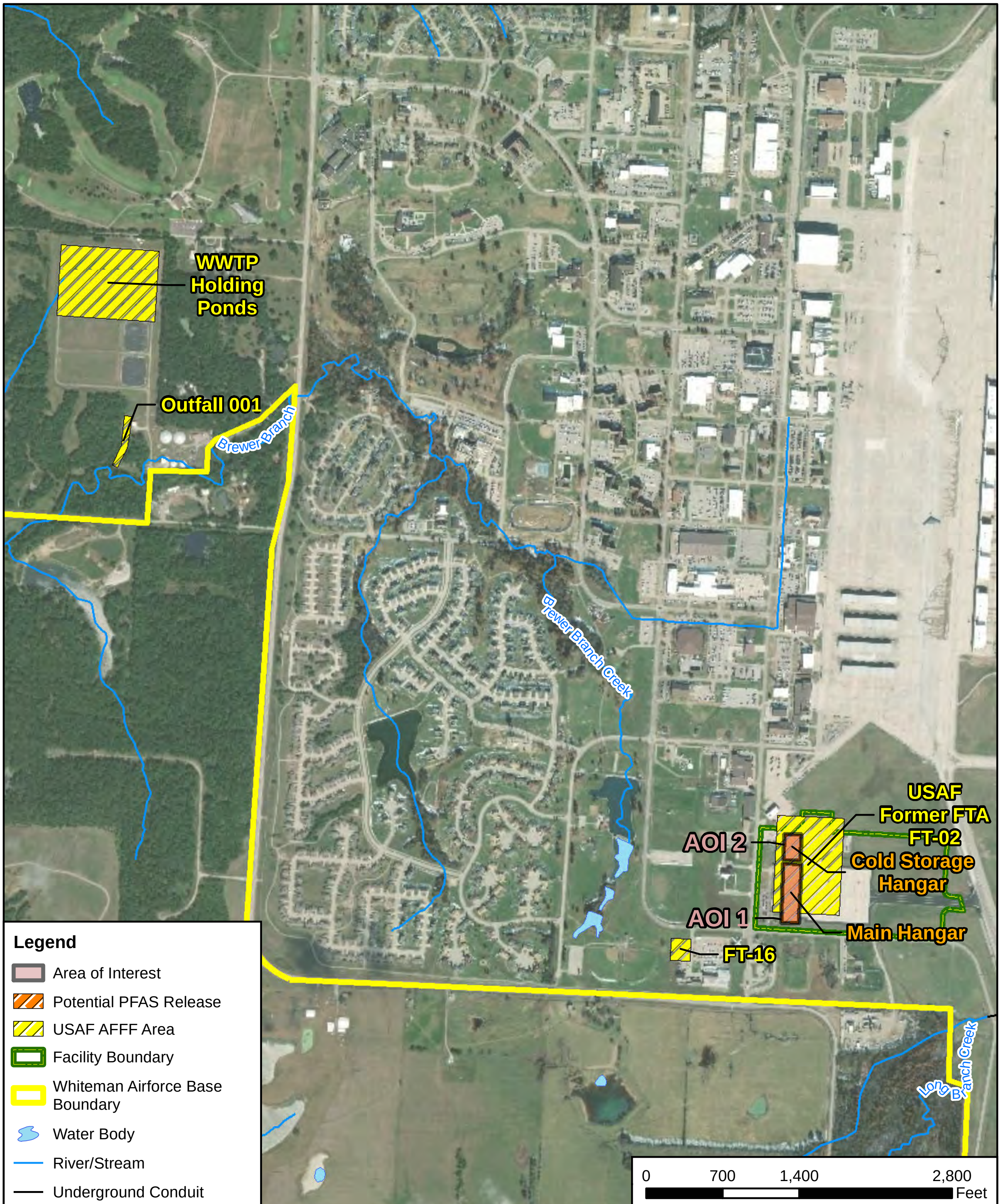
7.3 Potential Future Actions

Interviews and records (covering 1999 to present) indicate that ARNG activities may have resulted in potential PFAS releases at the AOIs identified during the PA. Releases of PFAS-containing materials at the AOIs were contained to an oil water separator system that directly discharges to the Whiteman AFB WWTP Holding Ponds. The environmental media at the AASF were not directly impacted; however, there may be potentially complete exposure pathways at the Whiteman AFB due to the MOARNG releases. **Table 7-3** summarizes the rationale used to determine if the AOI should be considered for further investigation under the CERCLA process and undergo an SI.

ARNG evaluates the need for an SI at the AASF based on the presence of a PFAS release, possible receptors, and the migration potential of PFAS contamination to receptors. The Whiteman AFB SI has evaluated the area within the AASF and WWTP Holding Ponds; therefore, all areas where releases may have occurred have been investigated by the USAF.

Table 7-3: PA Findings Summary

Area of Interest	AOI Location	Rationale	Potential Future Action
AOI 1 Main Hangar	38°43'1.65"N; 93°33'42.71"W	Two 500-gallon C2 High Expansion Foam releases in 2011, and 2015.	No further action. USAF will address potential contamination at the Whiteman AFB WWTP Holding Ponds.
AOI 2 Cold Storage Hangar	38°43'5.71"N; 93°33'42.36"W	The fire suppression system that leaks 20-30 gallons of C2 High Expansion Foam at any one time.	No further action. USAF will address potential contamination at the Whiteman AFB WWTP Holding Ponds.



CLIENT	ARNG			
PROJECT	Preliminary Assessment for PFAS at Whiteman AASF, MO			
REVISED	12/12/2019	GIS BY	MS	12/12/2019
SCALE	1:15,600	CHK BY	SI	12/12/2019
Base Map: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS,		PM	RG	12/12/2019

Summary of Findings

AECOM
12420 Milestone Center Drive
Germantown, MD 20876

Figure 7-1

Q:\Projects\ENV\GEARS\GEO\ARNG PFAS\900-CAD-GIS\920-GIS or Graphics\MXD\MO\Whiteman_AASF_Figures\Fig_7-1_Whiteman_AASF_Summary.mxd

8. References

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Appendix A
Data Resources

Data Resources will be provided separately on CD. Data Resources for Whiteman AASF, Missouri.

Whiteman AASF Leases, Licenses, and Permits

- 2011 Whiteman AASF License No. DACA41-3-11-2351

Whiteman AASF Documentation

- 2001 Final Environmental Baseline Study
- 2005 Final Record of Decision Amendment Sites FT-02, LF-11, LF-12, and SS-44
- 2011 Final Record of Decision Amendment Sites FT-02, LF-12, and SS-44
- 2015 Final Preliminary Assessment Report for Perfluorinated Compounds at Whiteman AFB
- 2016 Whiteman AASF Surface Runoff Accumulation Analysis
- 2018 Site Inspection Report

Whiteman AASF EDR Report

- 2019 Whiteman AASF EDR Report

AASF

License No. DACA41-3-11-2351

DEPARTMENT OF THE ARMY
LICENSE FOR NATIONAL GUARD PURPOSES
WHITEMAN AFB
JOHNSON COUNTY, MISSOURI

THE SECRETARY OF THE ARMY, hereinafter referred to as the Secretary, under the authority of Title 32, United States Code, Section 503, hereby grants to the **State of Missouri**, hereinafter referred to as the licensee, a license to use and occupy for training and support of the **Missouri Army National Guard** certain land and improvements, hereinafter referred to as the premises, as identified in **EXHIBITS "A"** and **"B"**, attached hereto and made a part hereof.

THIS LICENSE is granted subject to the following conditions.

1. TERM

This license is granted for a term of **Twenty (25) years,** beginning **1 July 2011** and ending **30 June 2036**, but revocable at will by the Secretary.

2. SUPERVISION BY THE DISTRICT ENGINEER

The use and occupancy of the premises shall be without cost to the regular establishment of the military departments of the Department of Defense and shall be under the general supervision of the District Engineer, Kansas City District, hereinafter referred to as said officer, and subject to such rules and regulations as may be prescribed from time to time by said officer.

3. APPLICABLE LAWS AND REGULATIONS

The licensee shall comply with all applicable Federal, state, county, and municipal laws, ordinances, and regulations wherein the premises are located.

4. FACILITY MAINTENANCE

The licensee shall maintain and keep the premises in good repair and condition and all costs of operation, maintenance, and restoration shall be paid for from funds available to the licensee, or from funds other than those appropriated for the regular establishment of the military departments.

5. RIGHT TO USE

The United States, hereinafter referred to as the Government, reserves the right to use the premises, or any part thereof, including all buildings and improvements situated thereon, for such purposes as said officer deems necessary in the interest of national defense.

6. COST OF UTILITIES

The licensee shall pay the cost, as determined by the officer having immediate jurisdiction over the premises, of producing and/or supplying any utilities or other services furnished by the Government or through Government-owned facilities for the use of the licensee, including the licensee's proportionate share of the cost of operation and maintenance of the Government-owned facilities by which such utilities or services are produced and supplied. The Government shall be under no obligation to furnish utilities or services. Payment shall be made in the manner prescribed by the officer having such jurisdiction.

7. USE RESTRICTIONS

The buildings and improvements included in this license shall not be used for the quartering of personnel engaged in the National Guard activities except when such personnel are in the Federal service or are participating in authorized training.

8. IMPROVEMENTS AND ALTERATIONS

Additions to or alteration or improvement of the premises shall not be made without prior written approval of the District Engineer. All such additions, alterations or improvements shall be maintained by the licensee in good repair and condition. All such work designated as permanent by said officer shall, upon completion, become property of the Government.

9. CONDITION OF PREMISES

The licensee acknowledges that it has inspected the premises, knows its condition, and understands that the same is granted without any representations or warranties whatsoever and without any obligation on the part of the Government.

10. TERMINATION

This license may be terminated by the licensee at any time by giving the District Engineer at least thirty (30) days notice in writing.

11. RESTORATION

On or before the expiration of this license or its termination by the licensee, the licensee shall vacate the premises, remove its property (except those permanent additions, alterations, and improvements which have become property of the Government under provision of the condition on **IMPROVEMENTS AND ALTERATIONS**) and restore the premises to a condition satisfactory to said officer. If, however, this license is revoked, the licensee shall vacate the premises, remove said property and restore the premises within such time as the said officer may designate. In either event, if the licensee fails to remove said property and restore the premises, then, at the option of said officer, the property shall either become the property of the

Government without compensation therefor, or said officer may cause the property to be removed at the expense of the licensee, and no claim for damages against the Government shall be created on account of such action.

12. USE BY OTHERS

The licensee shall not transfer or assign this license, or any interest in the premises, however, upon concurrence of the Director, **Missouri Army National Guard** , National Guard Bureau, the licensee may (1) permit the temporary or intermittent use of the premises by elements of the Department of Defense for joint use or individual training purposes, provided such use will not interfere with the National Guard use; or (2) issue licenses for nonprofit, community service-type activities under the same conditions as those allowed by active installation commanders by existing **Air Force and Army** regulations.

13. PROTECTION OF PROPERTY

a. The licensee shall keep the premises in good order and in a clean, safe condition by and at the expense of the licensee. The licensee shall be responsible for any damage that may be caused to property of the United States by the activities of the licensee under this license, and shall exercise due diligence in the protection of all property located on the premises against fire or damage from any and all other causes. Any property of the United States damaged or destroyed by the licensee incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the licensee to a condition satisfactory to said officer, or at the election of said officer, reimbursement made therefor by the licensee in an amount necessary to restore or replace the property to a condition satisfactory to said officer.

b. Upon termination of the licensee's requirement for the premises, the licensee shall remain responsible to protect and maintain the premises until transfer to and acceptance by another accountability officer is accomplished or in accordance with applicable laws, rules and regulations.

14. ENVIRONMENTAL PROTECTION

a. Within the limits of their respective legal powers, the parties to this license shall protect the premises against pollution of its air, ground and water. The licensee shall comply with any laws, regulations, conditions or instructions affecting the activity hereby authorized if and when issued by the Environmental Protection Agency, or any Federal, state, interstate or local governmental agency having jurisdiction to abate or prevent pollution. The disposal of any toxic or hazardous materials within the premises is specifically prohibited. Such regulations, conditions or instructions in effect or prescribed by said Environmental Protection Agency, or any Federal, state, interstate or local governmental agency are hereby made a condition of this license. The licensee shall not discharge waste or effluent from the premises in such a manner that the discharge will contaminate streams or other bodies of water or otherwise become a public nuisance.

b. The licensee will use all reasonable means available to protect the environment and natural resources, and where damage nonetheless occurs from the licensee's activities, the licensee shall be liable to restore the damaged resources.

15. SUBJECT TO PERMIT NO. DACA41-4-11-2350

(1) All terms and conditions of this license are subject to all of the terms and conditions of Permit No. DACA41-4-11-2350; (2) this license shall terminate with the expiration or termination of said permit; (3) Licensee assumes all of the obligations of the Permittee of said permit; and, (4) in case of any conflict between said permit and this license, said permit shall govern. A reference copy of said Permit No. DACA41-4-11-2350 is attached as **EXHIBIT "C".**

16. HISTORICAL PRESERVATION

The licensee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archeological, architectural, or other cultural artifacts, relics, or objects of antiquity. In the event such items are discovered on the premises, the licensee shall immediately notify said officer and protect the site and material from further disturbance until the said officer gives clearance to proceed.

17. NON-DISCRIMINATION

The licensee shall not discriminate against any person or persons or exclude them from participation in the licensee's operations, programs or activities conducted on the licensed premises because of race, color, religion, sex, age, handicap or national origin. The licensee by acceptance of this license, hereby gives assurance that it will comply with the provisions of Title VI of the Civil Rights Act of 1964 as amended (42 U.S.C. Section 2000d); the Age Discrimination Act of 1975 (42 U.S.C. Section 6102); the Rehabilitation Act of 1973 as amended (29 U.S.C. Section 794); and all requirements imposed by or pursuant to the Department of Defense Directive 5500.11 issued May 27, 1971 (32 CFR Part 195).

18. ENVIRONMENTAL BASELINE STUDY

An Environmental Baseline Survey (EBS), **EXHIBIT "D",** and an Environmental Baseline Impact Analysis (EIA) **EXHIBIT "E"** are attached documenting the known history of the property with regard to the storage, release or disposal of hazardous substances thereon, is attached hereto and made a part hereof. Upon expiration, revocation or relinquishment of this license, another EBS shall be prepared which will document the environmental condition of the property at that time. A comparison of the two assessments will assist the said officer in determining any environmental restoration requirements. Any such requirements will be completed by the licensee to the satisfaction of the said officer.

19. SPECIAL CONDITIONS

The procedure for termination, relinquishment, or vacation of the premises and the installation and/or removal of fixtures, installed property, additions or alterations shall be as approved by the said officer.

THIS LICENSE is not subject to Title 10, United States Code, Section 2662, as amended.

IN WITNESS WHEREOF, I have hereunto set my hand by authority of the Secretary of the **Army**, this 15 day of Oct, 2013.

THE UNITED STATES OF AMERICA

for

GREG G. WILSON
Real Estate Contracting Officer
U.S. Army Corps of Engineers
Kansas City District

This license is executed by the licensee this 27th day of Sept, 2013.

MISSOURI ARMY NATIONAL GUARD

BY:

STEPHEN L. DANNER
Major General, MONG
The Adjutant General

DESCRIPTION OF PREMISES

LEASE AREA #1:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 87°05'57" EAST ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO A POINT ON THE WEST LINE OF THE CURRENT LEASE AREA AS SHOWN BY THE PLAT OF SURVEY PREPARED BY TALIAFERRO AND BROWN, INC., DATED: 02/20/06; THENCE NORTH 03°16'15" EAST, ALONG THE WEST LINE OF SAID LEASE AREA, 178.02 FEET TO THE **POINT OF BEGINNING**; THENCE FROM THE POINT OF BEGINNING, NORTH 03°16'15" EAST 146.98 FEET; THENCE SOUTH 86°49'18" EAST, 370.00 FEET; THENCE NORTH 03°16'15" EAST, 165.00 FEET; THENCE SOUTH 86°49'18" EAST, 274.00 FEET; THENCE SOUTH 03°10'42" WEST, 164.95 FEET; THENCE SOUTH 86°49'18" EAST, 1065.74 FEET; THENCE SOUTH 03°10'42" WEST, 463.01 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00", TO A POINT ON THE NORTHERLY LINE OF SAID LEASE AREA; THENCE ALONG THE NORTHERLY LINE OF SAID LEASE AREA THE FOLLOWING CALLS, NORTH 86°49'18" WEST, 270.79 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE RIGHT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE NORTH 03°10'42" EAST, 155.00 FEET; THENCE NORTH 86°49'18" WEST, 448.00 FEET; THENCE NORTH 56°49'18" WEST, 240.00 FEET; THENCE NORTH 86°49'18" WEST, 139.16 FEET; THENCE NORTH 03°10'42" EAST, 157.33 FEET; THENCE NORTH 86°49'18" WEST, 413.96 FEET; THENCE SOUTH 03°04'10" WEST, 32.88 FEET; THENCE NORTH 86°47'20" WEST, 110.90 FEET; THENCE SOUTH 03°10'42" WEST, 83.84 FEET; THENCE NORTH 86°40'21" WEST, 119.65 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 10.13 ACRES, MORE OR LESS.

LEASE AREA #2:

A TRACT OF LAND LOCATED IN PART OF THE WEST HALF OF SECTION 3, TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI; THENCE SOUTH 87°05'57" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO A POINT ON THE WEST LINE OF THE CURRENT LEASE AREA AS SHOWN BY THE PLAT OF SURVEY PREPARED BY TALIAFERRO AND BROWN, INC., DATED: 02/20/09; THENCE ALONG THE WEST LINE OF SAID LEASE AREA, SOUTH 03°16'15" WEST, 594.43 FEET, TO THE SOUTHWEST CORNER OF SAID LEASE AREA; THENCE ALONG THE SOUTH LINE OF SAID LEASE AREA, SOUTH 86°44'21" EAST, 1440.69 FEET, TO THE **POINT OF BEGINNING**;THENCE FROM THE POINT OF BEGINNING, LEAVING SAID SOUTH LINE NORTH 03°10'42" EAST, 208.53 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE RIGHT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 86°49'18" EAST, 269.99 FEET; THENCE ALONG A NON-TANGENT CURVE TO THE LEFT WITH A INITIAL TANGENT BEARING OF NORTH 86°49'18" WEST, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 03°10'42" WEST, 208.92 FEET; THENCE NORTH 86°44'21" WEST, 269.99 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 1.70 ACRES, MORE OR LESS.

COMBINED LEASE AREAS:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF

OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 87°05'57" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO THE **POINT OF BEGINNING**; THENCE FROM THE POINT OF BEGINNING, NORTH 03°16'15" EAST, 178.02 FEET; THENCE NORTH 03°16'15" EAST, 146.98 FEET; THENCE SOUTH 86°49'18" EAST, 370.00 FEET; THENCE NORTH 03°16'15" EAST, 165.00 FEET; THENCE SOUTH 86°49'18" EAST, 274.00 FEET; THENCE SOUTH 03°10'42" WEST, 164.95 FEET; THENCE SOUTH 86°49'18" EAST, 1065.74 FEET; THENCE SOUTH 03°10'42" WEST, 463.01 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 86°49'18" EAST, 78.06 FEET; THENCE SOUTH 17°33'45" EAST, 128.32 FEET; THENCE NORTH 86°49'18" WEST, 124.30 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 03°10'42" WEST, 208.92 FEET; THENCE NORTH 86°44'21" WEST, 269.99 FEET; THENCE NORTH 86°44'21" WEST, 1440.69 FEET; THENCE NORTH 03°16'15" EAST, 594.43 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 37.69 ACRES, MORE OR LESS.

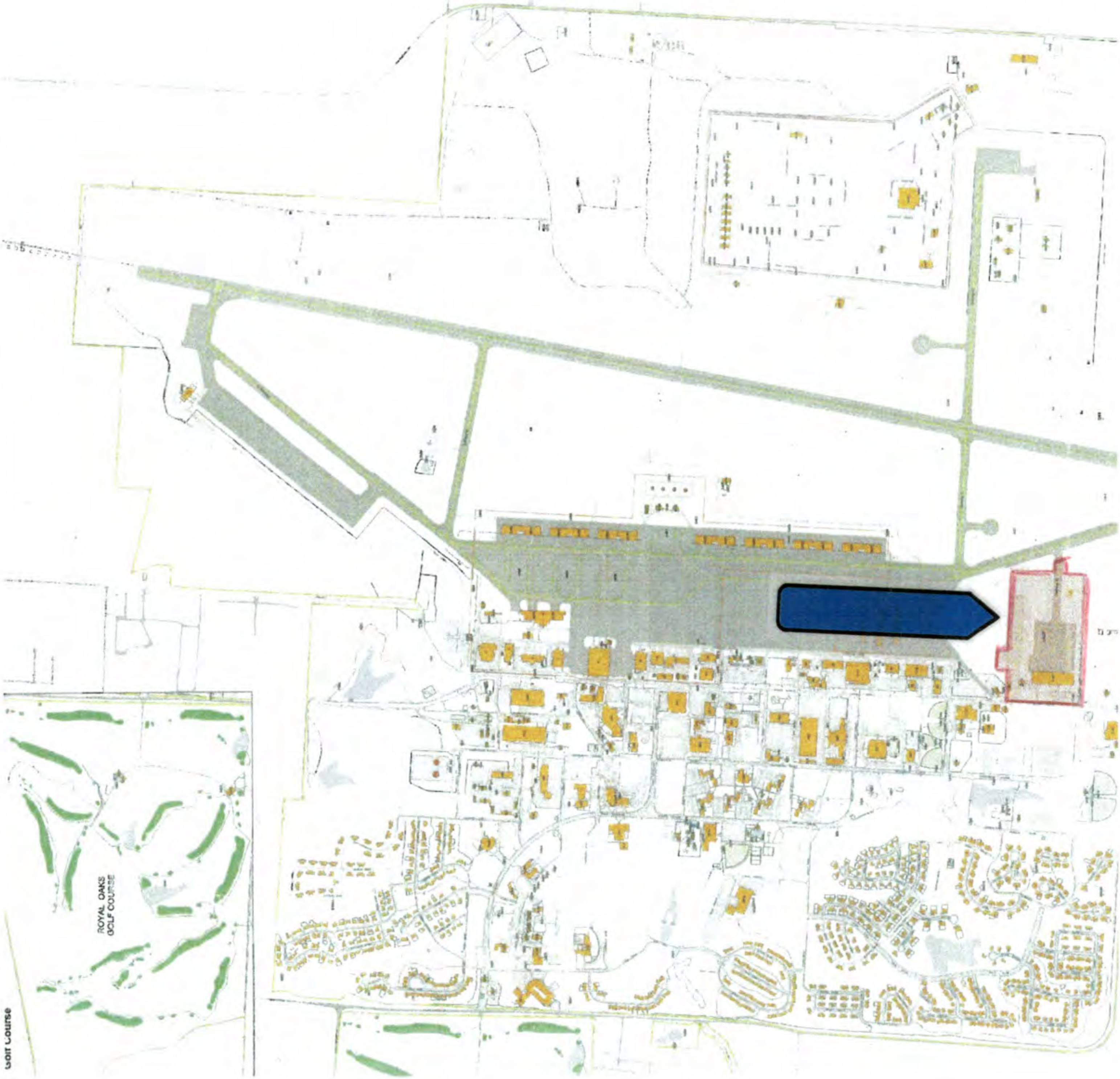
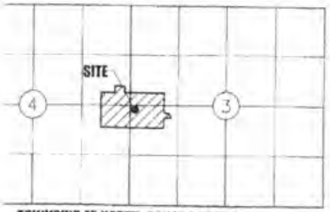


EXHIBIT B
DACA41-3-11- 2351
Page 1 of 2



CERTIFICATE OF SURVEY

WHITEMAN AIR FORCE BASE, LEASE AREA
JOHNSON COUNTY, MISSOURI

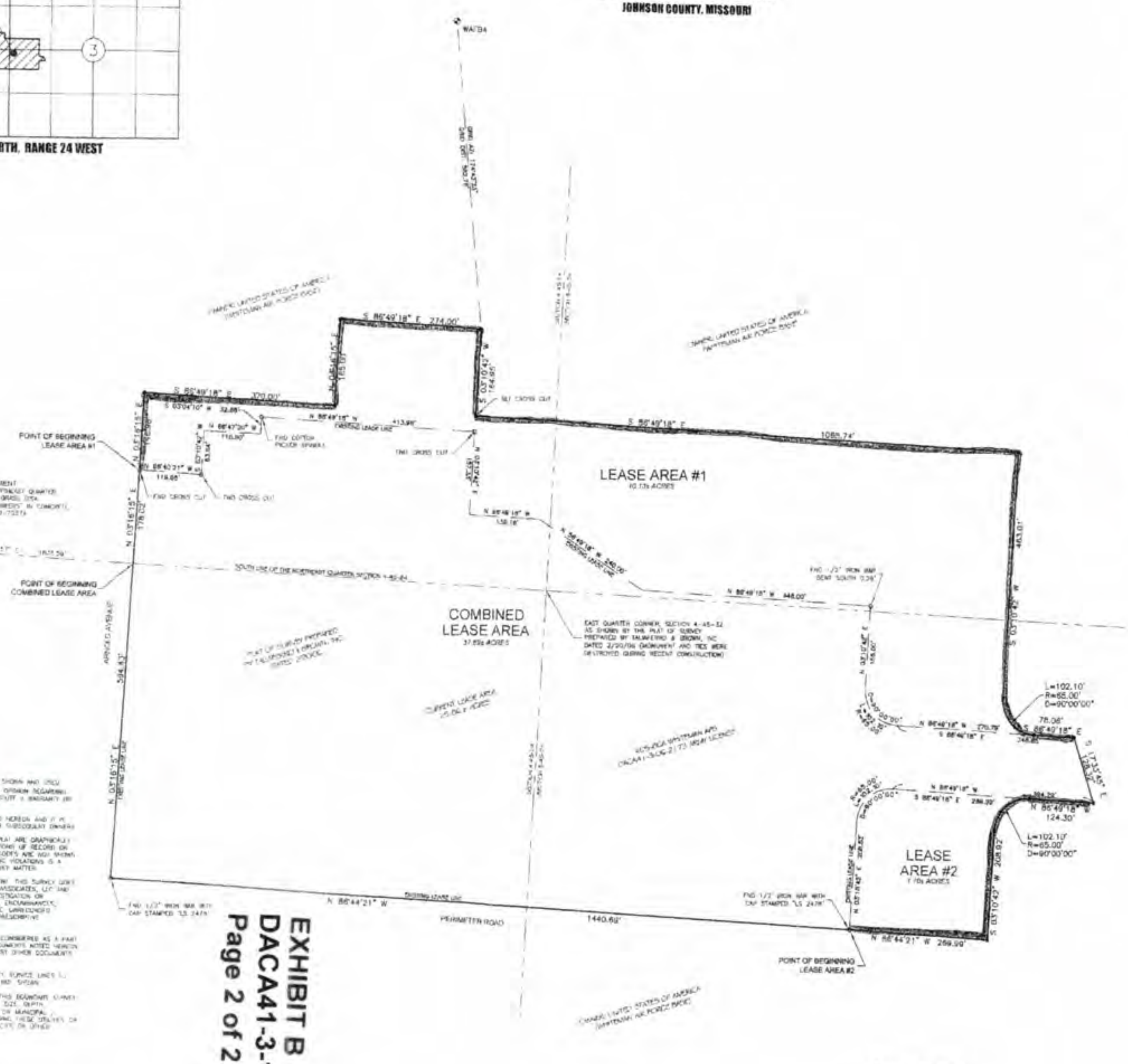


EXHIBIT B
DACA41-3-11-2351
Page 2 of 2

LEGEND:

- ○ FOUND MONUMENT AS NOTED
- ● SET 5/8" BAR WITH ALUMINUM CAP LS-2008004882-D, UNLESS OTHERWISE NOTED
- (R) RECORD DIMENSION
- (M) MEASURED DIMENSION
- FND FOUND
- R RADIUS
- L LENGTH
- Δ DELTA

NORTH

SCALE 1"=100'

REFERENCE BEARING:

BEARINGS ARE BASED ON THE UNIVERSAL TRANSVERSE MERCATOR COORDINATE SYSTEM OF 1983, ZONE 15 NORTH AND ARE TIED TO STATIONS "WAF84", "X309", AND "X" OF THE WHITEMAN AIR FORCE BASE CONTROL SYSTEM WITH A GRID FACTOR OF [illegible]

DESCRIPTIONS:

LEASE AREA #1:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

[illegible]

LEASE AREA #2:

A TRACT OF LAND LOCATED IN PART OF THE WEST HALF OF SECTION 3, TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

[illegible] ... TO THE POINT OF BEGINNING, AND CONTAINS 1.70 ACRES, MORE OR LESS.

COMBINED LEASE AREAS:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 87°03'57" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO THE POINT OF BEGINNING.

THENCE FROM THE POINT OF BEGINNING, NORTH 03°16'15" EAST, 178.02 FEET; THENCE NORTH 03°16'15" EAST, 148.86 FEET; THENCE SOUTH 86°49'18" EAST, 370.00 FEET; THENCE NORTH 03°16'15" EAST, 165.00 FEET; THENCE SOUTH 86°49'18" EAST, 274.00 FEET; THENCE SOUTH 03°10'42" WEST, 164.95 FEET; THENCE SOUTH 86°49'18" EAST, 1085.74 FEET; THENCE SOUTH 03°10'42" WEST, 463.01 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 86°49'18" EAST, 78.08 FEET; THENCE SOUTH 17°33'45" EAST, 128.32 FEET; THENCE NORTH 86°49'18" WEST, 124.30 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 03°10'42" WEST, 208.92 FEET; THENCE NORTH 86°44'21" WEST, 269.99 FEET; THENCE NORTH 86°44'21" WEST, 1440.82 FEET; THENCE NORTH 03°16'15" EAST, 594.43 FEET, TO THE POINT OF BEGINNING, AND CONTAINS 37.69 ACRES, MORE OR LESS.

I HEREBY CERTIFY THAT THIS CERTIFICATE OF SURVEY IS BASED ON AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT SAID SURVEY MEETS OR EXCEEDS THE CURRENT MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS AS ESTABLISHED BY THE MISSOURI BOARD FOR ARCHITECTS, PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY OF THE STATE OF MISSOURI.

POWELL AND ASSOCIATES, LLC
BOUNDARY AND CONSTRUCTION SURVEYING
LS 2008004882-D

STATE OF MISSOURI
PROFESSIONAL LAND SURVEYOR

JEREMY M. POWELL, PLS
LS 2007026288

DEPARTMENT OF THE AIR FORCE

PERMIT

TO THE UNITED STATES ARMY

FOR REAL PROPERTY LOCATED ON

WHITEMAN AIR FORCE BASE

JOHNSON COUNTY, MISSOURI

EXHIBIT C
DACA41-3-11-2351

TABLE OF CONTENTS

PREAMBLE

THE SECRETARY OF THE AIR FORCE (the -Air Force" or -Permittor"), hereby grants to **the Department of the Army (the** "Permittee"), a 25–year Permit for the use of 37.69 acres of real property at ***Whiteman Air Force Base, Johnson County, Missouri***, identified in **EXHIBIT A** and **EXHIBIT B**, located on Whiteman Air Force Base (the -Installation) and attached to and made a part of this Permit (the -Premises"). This Permit grants to the Permittee the privilege of using the land for Missouri Army Air National Guard purposes. It also includes appropriate access across the Installation in accordance with the terms of this Permit. The specific uses to which the Premises may be put are more fully described in **Condition 13**. The Air Force and the Permittee are referred to together as the -Parties," and each may be referred to as a -Party."

THIS PERMIT is granted subject to the following conditions.

BASIC TERMS

1. TERM

1.0. This Permit shall be effective beginning on 1 July, 2011, and shall expire without further notice at 5 PM local time on 30 June, 2036, unless sooner terminated by mutual agreement of the Parties. At the end of its full term, this Permit may, upon the written request of the Permittee, and in the sole and absolute discretion of the Permittor, be renewed for an additional period, but not exceeding its original term. The Permittee must submit any request for renewal at least ninety (90) days prior to expiration of the Permit. The obligations of the Permittee under this Permit, excluding those of Condition 2, but including those regarding remediation of environmental contamination and removal of structures, facilities, and equipment installed or owned by the Permittee, shall remain in effect after the expiration or termination of this Permit.

2. CONSIDERATION AND COSTS

2.1. The Permittee shall pay no fee to the Air Force for this Permit, but the consideration is the assumption of protection and maintenance of the Premises by the Permittee in accordance with this Permit.

3. CORRESPONDENCE

3.0. ALL correspondence to be sent, and notices desired or required to be given, pursuant to this Permit shall be addressed, if to the Permittor at the address below.

Commander, 509th Civil Engineer Squadron
Attn: 509 CES/CEAOR
660 10th Street, Suite 211
Whiteman AFB, MO 65305-5074

If to the Permittee shall be addressed to the address below.

District Engineer
Attention: Chief, Real Estate Division
Kansas City District Corps of Engineers
635 Federal Building
CENWK-RE-M
601 East 12th St.
Kansas City, MO 64106-2824, as agent for the Army, or as may from time to time otherwise be directed by the Parties. Notice shall be deemed to have been duly given if and when enclosed in a properly sealed envelope and delivered by hand or recognized courier service, or deposited, postage prepaid, and postmarked in a post office regularly maintained by the United States Postal Service.

4. ACCESS

4.1. The use, construction, operation, and occupation of the Premises are subject to the general supervision and control of the Installation Commander, or the Commander's duly authorized representative (the ~~-~~Commander").

4.2. In accepting the privileges and obligations established in this Permit, the Permittee recognizes that the Installation serves the national defense and that it will not allow the use, construction, operation, and occupation of the Premises to interfere with the Installation's military mission. The Installation is an operating military installation that is closed to the public and is subject to the provisions of Section 21 of the Internal Security Act of 1950 (50 U.S.C. § 797), and of 18 U.S.C. § 1382. Access to the Installation is subject to the control of the Commander, and is governed by regulations and orders that have been lawfully promulgated or approved by the Secretary of Defense or by any designated military commander. Any access granted to the Permittee, its officers, employees, contractors of any tier, agents, and invitees is subject to those regulations and orders. This Permit is subject to all regulations and orders currently promulgated or that may be promulgated by lawful authority, as well as all other conditions contained in this Permit. Violation of any of those regulations, orders, or conditions may result in the termination of this Permit. Those regulations and orders may, by way of example and not by way of limitation, include restrictions on who may enter, how many may enter at any one time, when they may enter, and what areas of the Installation they may visit. The Permittee is responsible for the actions of its officers, employees, contractors of any tier, agents, and invitees while on the Installation and acting under this Permit. Any loss, damage, cost, or expense incurred by the Air Force resulting from the actions of the Permittee's employees, agents, contractors of any tier, and invitees when acting under this Permit shall be the responsibility of the Permittee. The Permittee is responsible for the costs of complying with these regulations and orders, including, if necessary, background investigations of its employees required to obtain a security clearance.

4.3. The Commander may enter upon and into the Premises with or without notice for the purpose of ensuring compliance with the terms and conditions of this Permit.

4.4. This Permit does not guarantee that the Installation will remain open or active at its current level.

5. TERMINATION

5.1. This Permit may be terminated, in whole or in part, by the Air Force for failure by the Permittee to comply with its terms. Termination in accordance with this Condition 5 shall create no liability on the part of the Air Force for the capital costs, costs of construction, installation, maintenance, upgrade, removal of facilities, or the transportation or relocation of the Permittee, and the Permittee agrees that none of those costs will be recoverable from the Air Force.

5.2. This Permit may be revoked at will by the Air Force. Such revocation may only be directed by the Secretary of the Air Force who may delegate the authority to the Under Secretary of the Air Force and the Assistant Secretary of the Air Force (Installations, Environment, & Logistics), but to no other person.

OPERATION OF PREMISES

6. CONDITION OF PREMISES

6.0. The Permittee has inspected and knows the condition of the Premises. It is understood that the Premises are granted in an ~~-as~~ is, where is" condition without any warranty, representation, or obligation on the part of the Air Force to make any alterations, repairs, improvements, or corrections to conditions or to defects whether patent or latent. The Parties shall jointly perform and sign or otherwise authenticate a Physical Condition Report at the beginning of the Permit period to document the condition of the Premises. This report shall be made a part of this Permit as **EXHIBIT C**.

7. PROTECTION OF PREMISES

7.0. The Permittee shall, at all times, protect, repair, and maintain the Premises in good order and condition at its own expense and without cost or expense to the Permittor. The Permittee shall exercise due diligence in protecting the Premises against damage or destruction by fire, vandalism, theft, weather, contamination, or other causes related to the Permittee's activities. Any property on the Installation damaged or destroyed by the Permittee incident to the exercise of the privileges granted by this Permit shall be promptly repaired or replaced by the Permittee to the satisfaction of the Commander. To the extent that the property damaged or destroyed by the Permittee is its property, the Permittee may restore the underlying land without repairing or replacing the damaged or destroyed property.

8. AIR FORCE PROPERTY

8.0. Any interference with the use of, or damage to, or destruction of property on the Installation under the jurisdiction, custody, or control of the Air Force incident to the exercise of the Permittee's privileges granted by this Permit shall be promptly corrected by it to the satisfaction of the Commander. If the Permittee fails to promptly repair or replace any property, the Commander may repair or replace it, and the Permittee shall be liable for the reasonable costs of repair or replacement. The Permittee agrees to reimburse the Air Force within a reasonable time after receipt of a statement of its reasonable actual costs resulting from its inability to utilize the property during the repair or replacement period.

9. RESTORATION OF PREMISES

9.1. In accordance with 10 U.S.C. § 2691, on or before the date of expiration or termination of this Permit, the Permittee shall vacate the Premises, remove its property, and restore the Premises to its original condition, less reasonable wear and tear. The Air Force may, in its sole and absolute discretion, consent to the Permittee abandoning all or part of its property and improvements on the Installation, but that consent must be unequivocal and given in writing. Restoration of the Premises, for purposes of this condition, shall include any remedial, removal, or corrective action necessitated by the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) or the Solid Waste Disposal Act (SWDA), or similar state laws applicable to the Premises; reasonable wear and tear does not extend to anything necessitating a remedial, removal, or corrective action. If the Permittee fails to perform any required removal and restoration in a timely manner as determined by the Commander in his/her sole and absolute discretion, the Air Force may perform the required removal and restoration in the Permittee's place, and it shall reimburse the Air Force for its costs of removal and restoration within sixty (60) days of receipt of a statement of its costs.

10. ALTERATIONS OF THE PREMISES

10.1. Any alterations, additions, construction, installation, maintenance, and repair (collectively, the –alterations") of any type whatsoever must comply with this Permit. The Permittee shall make no alterations of the Premises without the prior written consent of the Commander, which consent will not be unreasonably withheld. The Commander may, in his/her sole and absolute discretion, grant blanket approvals in advance for certain specified categories of work.

10.2. The Commander may, in granting consent to the Permittee's alterations, impose additional conditions that he/she deems necessary. Those conditions may include, by way of example and not by way of limitation, restrictions on transportation routes and times and requirements to protect or restore transportation routes.

10.3. The Permittee shall neither place nor display advertising of any kind whatsoever on the Premises or on its property located on the Premises, nor suffer any advertising of any kind whatsoever to be placed on its property located on the Premises.

10.4. If the Permittee's property located on the Premises intrudes into airspace subject to regulation under the Federal Aviation Regulations or their Air Force counterparts, that property shall be operated, constructed, installed, repaired, and maintained in conformance with those regulations.

10.5. The Permittee shall maintain records showing the locations and nature of its facilities and fixed equipment on the Premises. Those records shall be kept current by the Permittee. The Permittee shall, at no cost to the Air Force, deliver to Air Force a copy of these records, along with any changes to them within five (5) business days of when those changes are made.

11. COSTS OF SERVICES

11.1. The Air Force and the Permittee shall be responsible for providing the services identified in the Installation Support Agreement (ISA) developed in accordance with Department of Defense Instruction (DODI) 4000.19. The Air Force may consent to render certain of these services to the Permittee in accordance with the Economy Act, 31 U.S.C. § 1535. In the case of some services, the Air Force may, for purposes of Installation-wide contract uniformity and control of access, require the Permittee to use the services of the Installation contractor providing that service. Those services shall be reimbursable by the Permittee within sixty (60) days of receipt of a statement.

11.2. If the Permittee qualifies under Department of Defense or Air Force regulations, some or all of the costs of those services listed in Condition 11.1 may be provided by the Air Force without reimbursement by the Permittee.

11.3. If the Air Force obtains any permit or license wholly or in large part because of the Permittee's activities under this Permit, it shall reimburse, within sixty (60) days of receipt of a statement, the proportionate share of the cost to obtain the permit or license.

12. SUPPORT AGREEMENTS

12.0. The Air Force and the Permittee may enter into a support agreement under the provisions of DODI 4000.19 and Air Force Instruction 25-201, *Support Agreements Procedures*, which may supplement this Permit and establish added detail. Nothing in the support agreement may modify or contradict the provisions of this Permit and, if there is any conflict between the provisions of this Permit and any support agreement, the provisions of this Permit shall govern.

13. USES OF THE PREMISES

13.0. The Permittee is permitted use of the land for the Department of the Army (DOA) to issue a 25-year license to the Missouri Army National Guard to expand from the stationing of Guard units on 25.31 acres to add 11.83 acres for a total of 37.69 acres for Missouri Army Air National Guard use. The Permittee shall control the allocation of space among the various services on the Premises.

ENVIRONMENT

14. ENVIRONMENTAL COMPLIANCE

14.1. In its activities under this Permit, the Permittee shall comply with all applicable environmental requirements, including but not limited to those requirements concerning the protection and enhancement of environmental quality, pest management, natural resources management, pollution control and abatement, safe drinking water, wastewater, air quality, and solid and hazardous waste. Responsibility for compliance with those requirements rests exclusively with the Permittee, including liability for any fines, penalties, or other similar enforcement costs.

14.2. The Permittee shall comply with all permits issued to the Installation for its actions covered by the permits. Any fines, penalties, or charges of any kind levied against the Air Force that are based on the violation of a permit shall, if such violation is the result of actions of the Permittee, be paid by it. In those cases where a fine, penalty, or charge is attributable to the actions of other entities other than the Permittee, the Air Force shall apportion the liability for the fine, penalty, or charge between those entities whose actions generated the fine, penalty, or charge. The Air Force's apportionment shall be final and conclusive on the Permittee. The Air Force may pay any fine, penalty, or charge levied against it based on any violation in order to meet mandatory response times, but the Permittee shall reimburse Air Force within sixty (60) days of receipt of a statement for that payment to the extent that it is responsible under this Condition 14.2.

14.3. To the extent its activities requires one, the Permittee shall obtain its own United States Environmental Protection Agency (USEPA) generator identification number, unless the Commander directs the Permittee to use the Installation identification number.

14.4. The Air Force is the focal point for communications with regulatory authorities for all activities on the Installation. The Permittee shall, in complying with applicable environmental requirements, coordinate with the Air Force and communicate with regulatory agencies and the public through the Air Force.

15. ASBESTOS AND LEAD-BASED PAINT

15.1. No asbestos-containing materials or lead-based paint may be used in the construction, repair, modification, or maintenance of the facilities of the Permittee.

16. SAFTEY, HAZARDOUS MATERIALS AND WASTE MANAGEMENT

16.1. The Permittee, at its expense, shall comply with all applicable laws on occupational safety and health, the handling and storage of hazardous materials, and the proper handling and disposal of solid and hazardous wastes and hazardous substances generated by its activities. Nothing in this Permit supersedes the requirements of 10 U.S.C. § 2692, *Storage, treatment, and disposal of nondefense toxic and hazardous materials.*

16.2. The Permittee shall not bring solid or hazardous wastes or hazardous substances onto the Premises. The Permittee shall be responsible for the cost of proper disposal of solid and hazardous wastes generated by its activities under this Permit. The Air Force may require the Permittee to utilize the Air Force's centralized systems for the handling, treatment, storage, and disposal of solid and hazardous wastes. The Air Force may require the Permittee to participate in the Air Force's pollution prevention and recycling programs.

16.3. Upon discovery of previously unknown hazardous wastes or hazardous substances or of a spill of hazardous materials or wastes on the Premises, the Permittee shall immediately notify the Commander and cease activities at the site of the discovery, except for activities that may be directed at containing a spill.

16.4. The terms _hazardous materials', _solid wastes', _hazardous wastes', and _hazardous substances' are as defined in the Federal Water Pollution Control Act, CERCLA, SWDA, the Clean Air Act, the Toxic Substances Control Act, and their implementing regulations.

17. HISTORIC PRESERVATION

17.0. The Permittee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archaeological, architectural, or other cultural artifacts, relics, vestiges, remains, or objects of antiquity. In the event those items are discovered on the Premises, the Permittee shall cease its activities at the site and immediately notify the Commander and protect the site and the material from further disturbance until the Commander gives clearance to proceed. Any costs resulting from this delay shall be the responsibility of the Permittee.

18. INSTALLATION RESTORATION PROGRAM

18.1. If the Installation has not been listed on the National Priorities List (NPL) at the time this Permit is granted, but is listed subsequent to the granting of this Permit, the Air Force will deliver a copy of any Federal Facility Agreement (FFA) to the Permittee that is entered into between the Air Force and the U.S. Environmental Protection Agency (USEPA), along with any amendments to the FFA when they become effective.

18.2. If the Installation has been listed on the NPL at the time this Permit is granted, but no FFA has been entered into, the Air Force will deliver to the Permittee a copy of any FFA subsequently entered into, along with any amendments to the FFA when they become effective.

18.3. If the Installation has been listed on the NPL at the time this Permit is granted and an FFA has been entered into, the Permittee acknowledges that the Air Force has delivered to it a copy of the FFA, with current amendments, and the Air Force will deliver a copy of any subsequent amendments to the Permittee.

18.4. Should any conflict arise between the terms of the FFA as it may be amended and the provisions of this Permit, the terms of the FFA shall govern.

19. ACCESS FOR RESTORATION

19.1. Nothing in this Permit shall be interpreted as interfering with or otherwise limiting the right of the Air Force and its duly authorized officers, employees, contractors of any tier, agents, and invitees to enter upon the Premises for the purposes enumerated in Condition 19.3, and for other purposes that are consistent with the provisions of an FFA or required to implement the Installation Restoration Program (IRP) conducted under the provisions of 10 U.S.C. §§ 2701-2708. The Permittee shall render reasonable assistance to the Air Force to ensure that its activities under this Condition 19 do not damage the Permittee's property on the Premises.

19.2. The USEPA and state of Missouri, including their respective subordinate units, and their duly authorized officers, employees, contractors of any tier, and agents may, upon reasonable notice to the Permittee and with the Air Force's consent, enter upon the Premises for the purposes enumerated in Condition 19.3, and for other purposes that are consistent with the provisions of an FFA. The Permittee shall render reasonable assistance to USEPA and the state to ensure that their activities under this Condition 19 do not damage the Permittee's property on the Premises.

19.3. Purposes:

19.3.1. To conduct investigations and surveys including, where necessary, drilling, soil and water sampling, test-pitting, testing soil borings, and other activities related to the IRP or an FFA;

19.3.2. To inspect field activities of the Air Force and its contractors of any tier in implementing the IRP or an FFA;

19.3.3. To conduct any test or survey required by the USEPA or the State relating to the implementation of an FFA or environmental conditions on the Premises or to verify any data submitted to the USEPA or the state by the Air Force relating to those conditions;

19.3.4. To conduct, operate, maintain, or undertake any other response or remedial action as required under or necessitated by the IRP or an FFA, including, but not limited to, monitoring wells, pumping wells, and treatment facilities; or

19.3.5. To monitor the effectiveness of any land use or institutional control established by the Air Force on the Premises, either by itself, by its contractor, by any public entity, including the state, or by a private entity.

20. ENVIRONMENTAL BASELINE SURVEY

20.0. AN Environmental Baseline Survey (EBS), **EXHIBIT D,** a Environmental Impact Analysis (EIA) used for environmental screening is **EXHIBIT E** documenting the known history of the property, including the additional 11.38 acres, with regard to the storage, release or disposal of hazardous substances thereon, is attached hereto and made a part hereof. Upon expiration, revocation or relinquishment of this Permit, another EBS shall be prepared which will document the environmental condition of the Premises at that time. A comparison of the two EBS will be used in determining any environmental restoration requirements. Any such requirements will be completed by the Permittee to the satisfaction of said officer.

CHANGES IN OWNERSHIP OR CONTROL

21. TRANSFER

21.1. Transfers of this Permit may only be made to agencies or instrumentalities of the United States with the prior written consent of the Commander. This Permit does not, and is not intended to vest in the Permittee any real property interest in the Premises, notwithstanding the length of the term or any other right or privilege conferred on the Permittee by this Permit.

21.2. Any transfer by the Permittee shall be subject to all of the terms and conditions of this Permit and shall terminate immediately upon the expiration of this Permit, without any liability on the part of the Air Force to the Permittee or to any transferee. Under any transfer made with the consent of the Commander, the transferee shall assume all of the obligations of the Permittee under this Permit. No transfer shall relieve the Permittee of any of its obligations under this Permit incurred prior to transfer. This Permit will automatically terminate without further notice or action from or by the Air Force if a transfer is made without the prior written consent of the Commander.

21.3. The Permittee shall provide the Commander, for his/her prior written consent, a copy of each transfer that the Permittee proposes to execute. The consent by the Commander may include, without limitation, the requirement to delete, add, or change provisions in the transfer instrument as he/she shall deem necessary. Consent to or rejection of any transfer shall not be taken or construed to alter, diminish, or enlarge any of the rights or obligations of the Parties, or form a basis for any cause of action against or liability of the Air Force.

21.4. Any transfer instrument must expressly provide that—(1) the transfer and transferee are subject to all of the terms and conditions of this Permit; (2) the transfer shall terminate with the expiration or termination of this Permit; (3) the transferee assumes all of the obligations of the Permittee; and, (4) in case of any conflict between this Permit and the transfer instrument, this Permit shall govern. A copy of this Permit must be attached to the transfer instrument.

21.5 Notwithstanding the above, the Permittee may grant a license to the State of Missouri, Missouri Army National Guard.

22. OTHER GRANTS OF ACCESS

22.1. This Permit is subject to all outstanding easements, leases, permits, licenses, and uses for any purpose (collectively, -Outgrants") related to the Premises. The Air Force shall have the right to grant additional Outgrants on or related to the Premises. However, any additional Outgrants shall not be inconsistent or interfere with the Permittee's use of the Premises.

22.2. For those areas identified in **EXHIBIT A**, the Air Force shall not grant any additional outgrants that would interfere with the Permittee's requirements to restrict access. The Air Force recognizes that these areas require restricted access. This Condition 22.2 shall only apply to access by other parties than the Permittee, and it shall not limit any right of access by public authorities charged with the regulation of the Permittee's activities or with law enforcement.

23. REAL PROPERTY ACCOUNTABLILITY

23.0. The Air Force may transfer real property accountability for all or any part of the Premises to another agency or instrumentality of the United States. In that event, the agency or instrumentality assuming real property accountability shall stand in the place of, and become, the granting entity of this Permit without altering, diminishing, or enlarging the rights and obligations of either the Air Force or of the Permittee under this Permit.

23.1 Whiteman AFB, Real Property Accountable Office, will be the official office of record for real property situated on Whiteman AFB. Any construction, modifications, or alterations, either to new or existing facilities will be documented in accordance with UFC 1-300-08, Criteria for Transfer and Acceptance of Military Real Property, via a DD Form 1354 provided to the Real Property Accountable Officer (RPAO). The RPAO will make certain the information is recorded in a timely manner ensuring the Command User Tenant Code is correctly entered directing Facilities Sustainment, Restoration and Modernization (SRM) funds to flow to the proper Service.

24. REPORTING

24.0. The issuance of this Permit is not subject to reporting under 10 U.S.C. § 2662.

GENERAL PROVISIONS

25. COMPLIANCE WITH LAWS

25.0. The Permittee shall comply with all applicable Federal, state, interstate, and local laws, regulations, and requirements. The Air Force is not responsible for obtaining permits for the

Permittee or for allowing the Permittee to use permits obtained by the Air Force in its name.

26. AVAILABILITY OF FUNDS

26.0. The obligations of a Party or of any transferee of this Permit shall be subject to the availability of appropriated funds, unless the Party or transferee is a non-appropriated fund instrumentality of the United States. No appropriated funds are obligated by this Permit.

27. AMENDMENTS

27.0. This Permit may only be modified or amended by and in a single written agreement of the Parties in any instance and signed by the authorized representatives of the Parties.

28. LIABILITY

28.0. The Air Force is not responsible for loss of or damage to property or injury or death to persons that may arise from, or be attributable or incident to, the condition or state of repair of the Premises, due to its use or occupation by the Permittee. As between the Air Force and the Permittee, the Permittee assumes all risks of loss or damage to property and injury or death to persons, whether to its officers, employees, contractors of any tier, agents, invitees, or others, by reason of or incident to the Permittee's use of the Premises, and its activities conducted under this Permit. The Permittee shall, at its expense, pay any settlements of or judgments on claims arising out of its use of the Premises. The Permittee shall, at its expense, either settle and pay any claims arising out of the use and occupancy of the Premises or retain administrative responsibility for any litigation resulting from those claims, including reimbursement of the Judgment Fund, 31 U.S.C. § 1304; provided, however, that the Air Force or another agency of the Government may, as a matter of its internal policy, assume responsibility for certain claims of that agency's personnel while assigned or detailed to the Permittee, or while otherwise present on the Premises.

29. INSURANCE

29.0. The Permittee shall require its contractors of any tier performing work on the Premises to carry and maintain insurance coverage of the types and in the amounts, including retentions, specified by the Commander.

30. ENTIRE AGREEMENT

30.0. It is expressly understood and agreed that this written instrument embodies the entire agreement between the Parties regarding the use of the Premises by the Permittee, and there are no understandings or agreements, verbal or otherwise, between the Parties except as expressly set forth in this Permit.

31. CONDITION AND PARAGRAPH HEADINGS

31.0. The headings contained in this Permit and its Attachments are used to facilitate reference only and shall not in any way affect the construction or interpretation of this Permit.

32. STATUTORY AND REGULATORY REFERENCES

32.0. Any reference to a statute or regulation in this Permit shall be interpreted as being a reference to the statute or regulation as it has been or may be amended from time to time.

33. PRIOR PERMITS

33.0. This Permit supersedes all prior permits and licenses to the Permittee for the Premises, but does not terminate any obligations of the Permittee under any prior permits or licenses that may by their terms survive the termination or expiration of those prior permits or licenses, except to the extent such obligations are inconsistent with this Permit. This permit supersedes the most recent permit number DACA41-4-06-2172.

IN WITNESS whereof, I have hereunto set my hand by authority of the Secretary of the Air Force, this 11 day of Sept, 2013.

THE UNITED STATES OF AMERICA
by the Secretary of the Air Force

BY: Connie M. Lotfi
CONNIE M. LOTFI, GS-15
Deputy Director

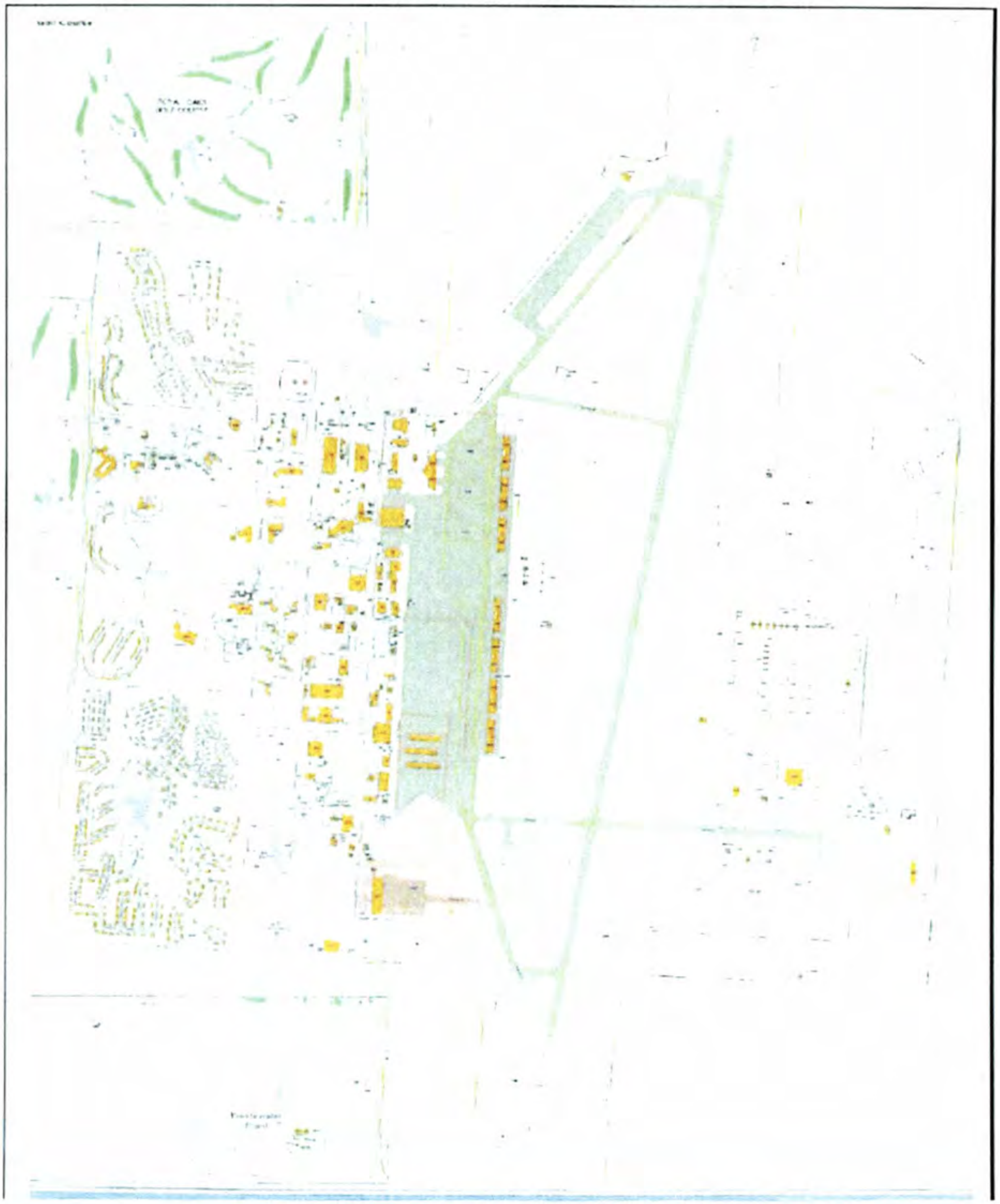
THIS PERMIT is also executed by the Permittee this 23 day of August, 2013.

THE UNITED STATES OF AMERICA
by the Secretary of the Army

BY: [signature]
GREG G. WILSON
Contracting Officer
U.S. Army Corps of Engineers
Kansas City District

EXHIBITS

EXHIBIT A—MAP OF PREMISES



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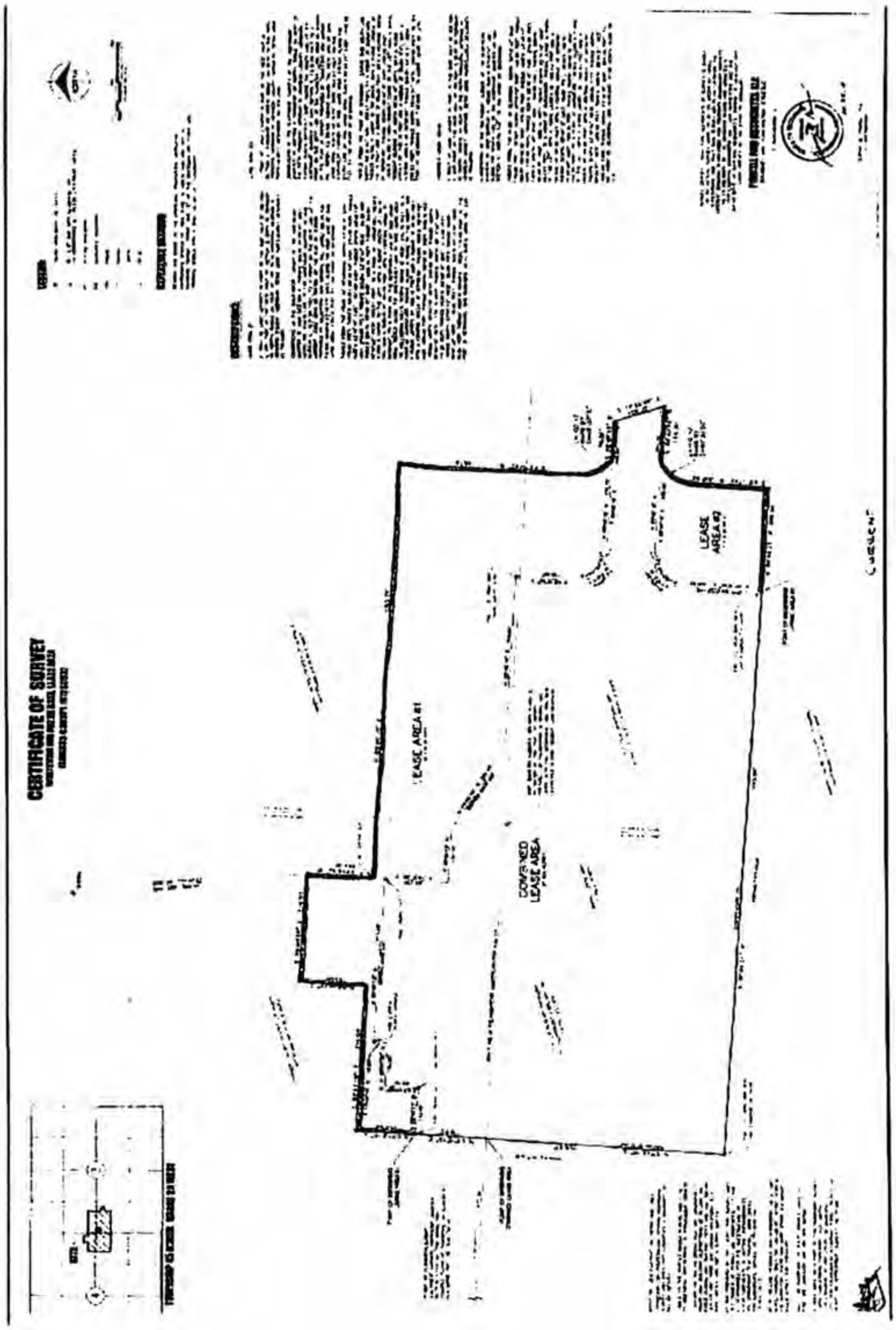
CERTIFICATE OF SURVEY
LEASE AREA #1
COMBINED LEASE AREA
LEASE AREA #2

EXHIBIT B—DESCRIPTION OF PREMISES

LEASE AREA #1:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 87°05'57" EAST ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO A POINT ON THE WEST LINE OF THE CURRENT LEASE AREA AS SHOWN BY THE PLAT OF SURVEY PREPARED BY TALIAFERRO AND BROWN, INC., DATED: 02/20/06; THENCE NORTH 03°16'15" EAST, ALONG THE WEST LINE OF SAID LEASE AREA, 178.02 FEET TO THE **POINT OF BEGINNING;** THENCE FROM THE POINT OF BEGINNING, NORTH 03°16'15" EAST 146.98 FEET; THENCE SOUTH 86°49'18" EAST, 370.00 FEET; THENCE NORTH 03°16'15" EAST, 165.00 FEET; THENCE SOUTH 86°49'18" EAST, 274.00 FEET; THENCE SOUTH 03°10'42" WEST, 164.95 FEET; THENCE SOUTH 86°49'18" EAST, 1065.74 FEET; THENCE SOUTH 03°10'42" WEST, 463.01 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00", TO A POINT ON THE NORTHERLY LINE OF SAID LEASE AREA; THENCE ALONG THE NORTHERLY LINE OF SAID LEASE AREA THE FOLLOWING CALLS, NORTH 86°49'18" WEST, 270.79 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE RIGHT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE NORTH 03°10'42" EAST, 155.00 FEET; THENCE NORTH 86°49'18" WEST, 448.00 FEET; THENCE NORTH 56°49'18" WEST, 240.00 FEET; THENCE NORTH 86°49'18" WEST, 139.16 FEET; THENCE NORTH 03°10'42" EAST, 157.33 FEET; THENCE NORTH 86°49'18" WEST, 413.96 FEET; THENCE SOUTH 03°04'10" WEST, 32.88 FEET; THENCE NORTH 86°47'20" WEST, 110.90 FEET; THENCE SOUTH 03°10'42" WEST, 83.84 FEET; THENCE NORTH 86°40'21" WEST, 119.65 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 10.13 ACRES, MORE OR LESS.

LEASE AREA #2:

A TRACT OF LAND LOCATED IN PART OF THE WEST HALF OF SECTION 3, TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI; THENCE SOUTH 87°05'57" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO A POINT ON THE WEST LINE OF THE CURRENT LEASE AREA AS SHOWN BY THE PLAT OF SURVEY PREPARED BY TALIAFERRO AND BROWN, INC., DATED: 02/20/09; THENCE ALONG THE WEST LINE OF SAID LEASE AREA, SOUTH 03°16'15" WEST, 594.43 FEET, TO THE SOUTHWEST CORNER OF SAID LEASE AREA; THENCE ALONG THE SOUTH LINE OF SAID LEASE AREA, SOUTH 86°44'21" EAST, 1440.69 FEET, TO THE **POINT OF BEGINNING**;THENCE FROM THE POINT OF BEGINNING, LEAVING SAID SOUTH LINE NORTH 03°10'42" EAST, 208.53 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE RIGHT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 86°49'18" EAST, 269.99 FEET; THENCE ALONG A NON-TANGENT CURVE TO THE LEFT WITH A INITIAL TANGENT BEARING OF NORTH 86°49'18" WEST, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 03°10'42" WEST, 208.92 FEET; THENCE NORTH 86°44'21" WEST, 269.99 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 1.70 ACRES, MORE OR LESS.

COMBINED LEASE AREAS:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF OF SECTION 4, AND PART OF THE WEST HALF

OF SECTION 3, BOTH IN TOWNSHIP 45 NORTH, RANGE 24 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN JOHNSON COUNTY, MISSOURI, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 4; THENCE SOUTH 87°05'57" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 4, 1835.59 FEET, TO THE **POINT OF BEGINNING**; THENCE FROM THE POINT OF BEGINNING, NORTH 03°16'15" EAST, 178.02 FEET; THENCE NORTH 03°16'15" EAST, 146.98 FEET; THENCE SOUTH 86°49'18" EAST, 370.00 FEET; THENCE NORTH 03°16'15" EAST, 165.00 FEET; THENCE SOUTH 86°49'18" EAST, 274.00 FEET; THENCE SOUTH 03°10'42" WEST, 164.95 FEET; THENCE SOUTH 86°49'18" EAST, 1065.74 FEET; THENCE SOUTH 03°10'42" WEST, 463.01 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 86°49'18" EAST, 78.06 FEET; THENCE SOUTH 17°33'45" EAST, 128.32 FEET; THENCE NORTH 86°49'18" WEST, 124.30 FEET, TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT, WITH A CURVE LENGTH OF 102.10 FEET AND A RADIUS OF 65.00 FEET, WITH A CENTRAL ANGLE OF 90°00'00"; THENCE SOUTH 03°10'42" WEST, 208.92 FEET; THENCE NORTH 86°44'21" WEST, 269.99 FEET; THENCE NORTH 86°44'21" WEST, 1440.69 FEET; THENCE NORTH 03°16'15" EAST, 594.43 FEET, TO THE **POINT OF BEGINNING**, AND CONTAINS 37.69 ACRES, MORE OR LESS.

EXHIBIT C—PHYSICAL CONDITION REPORT

Physical Condition Report for Land for The United States Army
16 Oct 12

The current area of this report is divided in three parts, current lease area and lease areas 1 and 2, see Page 2 of Exhibit A of Permit DACA41-4-11-2350. The current lease area is 25.06 acres of land that was permitted to the Department of the Army under number DACA41-4-06-2172. The land was licensed to the Missouri Army Air National Guard (MOAANG) effective 1 July 2006. The land titled lease area #1 is composed of 10.13 acres of land. The land titled lease area #2 is composed of 1.70 acres of land.

Current Lease Area Condition:

MOAANG have constructed improvements on this property that cover the majority of the area.

Air craft hangar- Metal frame with standing metal seam covering, excellent condition
Parking Lot - Asphalt, excellent condition
Curbing- Concrete, excellent condition
Sidewalk - Concrete, excellent condition no cracks
Apron- Concrete, excellent condition
Taxiway - Concrete, excellent condition
Driveway- Asphalt, excellent condition
Fire Pump house - Metal frame, excellent condition
Fire Water Tanks - Metal, excellent condition
Roof - Standing Seam Metal Roof, excellent condition

Lease area #1 Condition:

Lease area #1 is located north of the current Leased Area. This area has approximately 15,951 square yards of an old concrete runway as ground cover located on it. The remainder of this area has ground cover consisting entirely of mowed fescue turf grass.

Lease area #2 Condition:

Lease area #2 is located southeast of the current Leased Area. There are no buildings or developments of any type located on it. The ground cover consists entirely of mowed fescue turf grass.

KENDALL W. NUGENT, GS-14, DAFC
Deputy Base Civil Engineer
Whiteman Air Force Base

JOHN M. NICOL, GS-11
Realty Specialist, Installation Support
U.S. Army Corps of Engineers
Kansas City District

Exhibit D—Environmental Baseline Survey

In accordance with Condition 20, the EBS titled Phase 1 Environmental Site Assessment (ESA) for Property Adjacent the Army Aviation Support Facility (AASF) located at 1150 Arnold Avenue, Whiteman Air Force Base (AFB), Missouri, and dated 9 September 2010 is hereby incorporated by this reference.

EXHIBIT E—ENVIRONMENTAL IMPACT ANALYSIS

REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS — Report Control Symbol RCS

INSTRUCTIONS: *Section I to be completed by Proponent, Sections II and III to be completed by Environmental Planning Function. Continue on separate sheets as necessary. Reference appropriate item number(s).*

SECTION I - PROPONENT INFORMATION

1. TO (Environmental Planning Function)	2. FROM (Proponent organization and functional address symbol)	2a. TELEPHONE NO.
509 CES/CEAN	509 CES/CEAOR	687-6299

3. TITLE OF PROPOSED ACTION
RENEWAL OF PERMIT WITH ADDITIONAL LAND FOR USE OF AIR FORCE ASSETS AT WHITEMAN AFB.

4. PURPOSE AND NEED FOR ACTION (Identify decision to be made and need date)
RENEWAL OF PERMIT FOR DEPARTMENT OF THE ARMY TO CONTINUE TO USE LAND WITH ADDITIONAL LAND FOR THE MISSOURI ARMY NATIONAL GUARD.

5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA) (Provide sufficient details for evaluation of the total action.)
RENEWAL OF PERMIT FOR DEPARTMENT OF THE ARMY TO USE LAND THE MISSOURI ARMY NATIONAL GUARD. THE PERMITTED AREA FOR THE DOCUMENT WILL INCREASE DUE TO PENDING CONSTRUCTION OF A FACILITY.

6. PROPONENT APPROVAL (Name and Grade)	6a. SIGNATURE	6b. DATE
HANK BORGHARDT, GS-11	HB	20130801

SECTION II - PRELIMINARY ENVIRONMENTAL SURVEY. (Check appropriate box and describe potential environmental effects including cumulative effects.) (+ = positive effect; 0 = no effect; − = adverse effect; U = unknown effect)

Item	+	0	−	U
7. AIR INSTALLATION COMPATIBLE USE ZONE/LAND USE (Noise, accident potential, encroachment, etc.)		✓		
8. AIR QUALITY (Emissions, attainment status, state implementation plan, etc.)		✓		
9. WATER RESOURCES (Quality, quantity, source, etc.)		✓		
10. SAFETY AND OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safety quantity-distance, bird/wildlife aircraft hazard, etc.)		✓		
11. HAZARDOUS MATERIALS/WASTE (Use/storage/generation, solid waste, etc.)		✓		
12. BIOLOGICAL RESOURCES (Wetlands/floodplains, threatened or endangered species, etc.)		✓		
13. CULTURAL RESOURCES (Native American burial sites, archaeological, historical, etc.)		✓		
14. GEOLOGY AND SOILS (Topography, minerals, geothermal, Installation Restoration Program, seismicity, etc.)		✓		
15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)		✓		
16. OTHER (Potential impacts not addressed above.)				✓

SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATION

17. ✓ PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # A2.3.19; OR
☐ PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.

18. REMARKS
CATEX Determination & Background Information: In accordance with 32 CFR Chapter VII (7-1-01) Subchapter T-Environmental Protection, Part 989-Environmental Impact Analysis Process (EIAP), Appendix B-Categorical Exclusions (CATEX) list, paragraph A2.3 CATEX List, subparagraph A2.3.19, the Proposed Action to renew the permit for the Army with additional land qualifies for a categorical exclusion from the requirements for environmental impact analysis by the Air Force under the National Environmental Policy Act (NEPA).

19. ENVIRONMENTAL PLANNING FUNCTION CERTIFICATION (Name and Grade)	19a. SIGNATURE	19b. DATE
GLENN S. GOLSON, GS-12	Glenn S. Golson	1 Aug 13

AF IMT 813, 19990901, V1 — THIS FORM CONSOLIDATES AF FORMS 813 AND 814. PREVIOUS EDITIONS OF BOTH FORMS ARE OBSOLETE. — PAGE 1 OF 2 PAGE(S)

Page 1 of 2

AF IMT 813, SEP 99, CONTINUATION SHEET

This CATEX only applies to the permitted land. Any construction or action on this land should accomplish the Environmental Assessment at that time.

ENVIRONMENTAL BASELINE STUDY – FINAL

Whiteman Air Force Base (AFB)
Proposed Army Aviation Support Facility (AASF)
Whiteman AFB, Missouri 65305

BE&K/Terranext Project No. 17102205

Prepared For:

Missouri Army National Guard
Ike Skelton National Guard Training Site
2302 Militia Drive
Jefferson City, Missouri 65101-1203

January 17, 2001

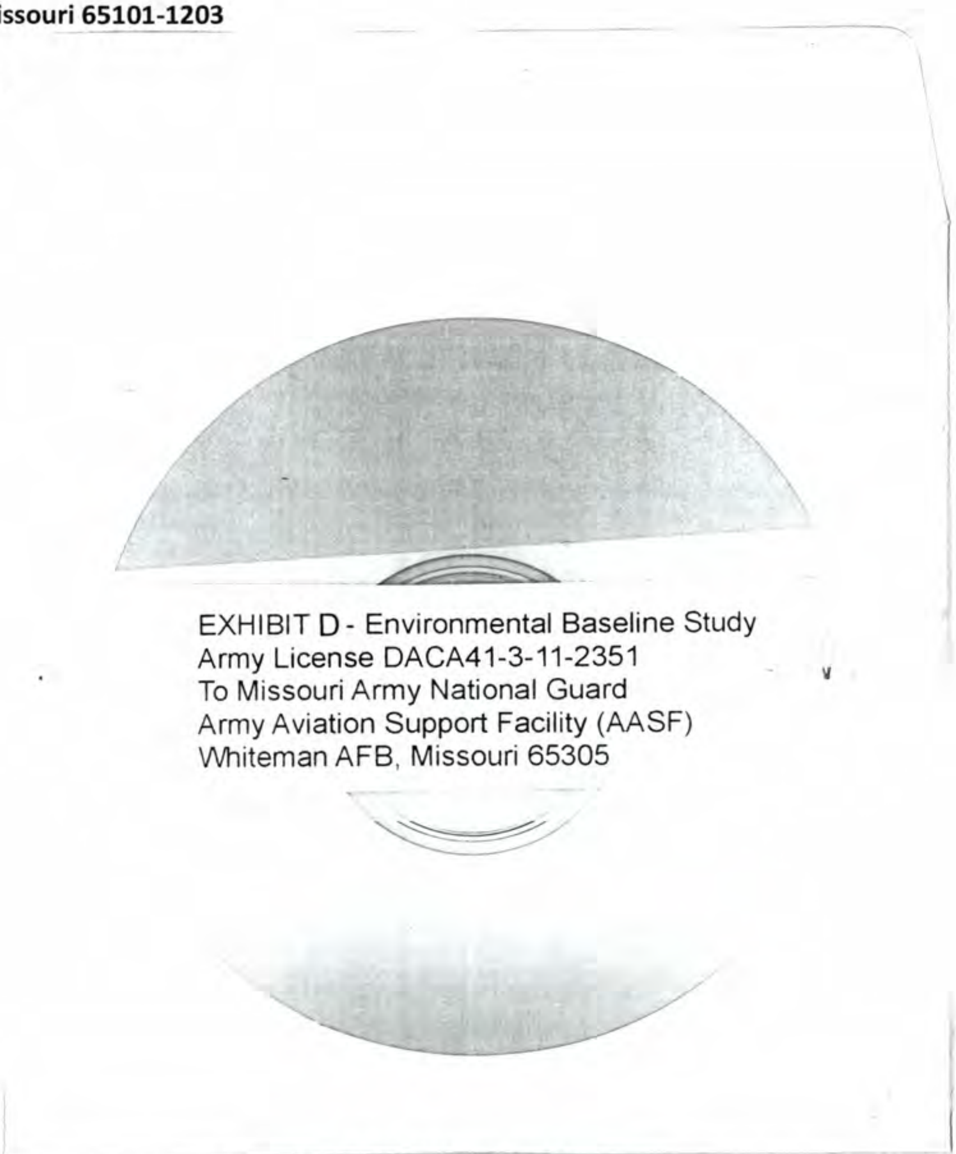

EXHIBIT D
License DACA41-3-11-2351

EXHIBIT E—ENVIRONMENTAL IMPACT ANALYSIS

REQUEST FOR ENVIRONMENTAL IMPACT ANALYSIS | Report Control Symbol RCS

INSTRUCTIONS. Section I to be completed by Proponent, Sections II and III to be completed by Environmental Planning Function. Continue on separate sheets as necessary. Reference appropriate item number(s).

SECTION I - PROPONENT INFORMATION

1. TO (Environmental Planning Function)	2. FROM (Proponent organization and functional address symbol)	2a. TELEPHONE NO
509 CES/CEAN	509 CES/CEAOR	687-6299

3. TITLE OF PROPOSED ACTION

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4. PURPOSE AND NEED FOR ACTION (Identify decision to be made and need date)

RENEWAL OF PERMIT FOR DEPARTMENT OF THE ARMY TO CONTINUE TO USE LAND WITH ADDITIONAL LAND FOR THE MISSOURI ARMY NATIONAL GUARD.

5. DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES (DOPAA) (Provide sufficient details for evaluation of the total action.)

RENEWAL OF PERMIT FOR DEPARTMENT OF THE ARMY TO USE LAND THE MISSOURI ARMY NATIONAL GUARD. THE PERMITTED AREA FOR THE DOCUMENT WILL INCREASE DUE TO PENDING CONSTRUCTION OF A FACILITY.

6. PROPONENT APPROVAL (Name and Grade)	6a. SIGNATURE	6b. DATE
HANK BORGHARDT, GS-11	HB	20130801

SECTION II - PRELIMINARY ENVIRONMENTAL SURVEY. (Check appropriate box and describe potential environmental effects including cumulative effects.) (+ = positive effect; 0 = no effect; - = adverse effect; U = unknown effect)

Item	+	0	-	U
7. AIR INSTALLATION COMPATIBLE USE ZONE/LAND USE (Noise, accident potential, encroachment, etc.)		✓		
8. AIR QUALITY (Emissions, attainment status, state implementation plan, etc.)		✓		
9. WATER RESOURCES (Quality, quantity, source, etc.)		✓		
10. SAFETY AND OCCUPATIONAL HEALTH (Asbestos/radiation/chemical exposure, explosives safety quantity-distance, bird/wildlife aircraft hazard, etc.)		✓		
11. HAZARDOUS MATERIALS/WASTE (Use/storage/generation, solid waste, etc.)		✓		
12. BIOLOGICAL RESOURCES (Wetlands/floodplains, threatened or endangered species, etc.)		✓		
13. CULTURAL RESOURCES (Native American burial sites, archaeological, historical, etc.)		✓		
14. GEOLOGY AND SOILS (Topography, minerals, geothermal, Installation Restoration Program, seismicity, etc.)		✓		
15. SOCIOECONOMIC (Employment/population projections, school and local fiscal impacts, etc.)		✓		
16. OTHER (Potential impacts not addressed above.)				✓

SECTION III - ENVIRONMENTAL ANALYSIS DETERMINATION

17. ✓ PROPOSED ACTION QUALIFIES FOR CATEGORICAL EXCLUSION (CATEX) # A2.3.19 ; OR

PROPOSED ACTION DOES NOT QUALIFY FOR A CATEX; FURTHER ENVIRONMENTAL ANALYSIS IS REQUIRED.

18. REMARKS

CATEX Determination & Background Information: In accordance with 32 CFR Chapter VII (7-1-01) Subchapter T-Environmental Protection, Part 989-Environmental Impact Analysis Process (EIAP), Appendix B-Categorical Exclusions (CATEX) list, paragraph A2.3 CATEX List, subparagraph A2.3.19, the Proposed Action to renew the permit for the Army with additional land qualifies for a categorical exclusion from the requirements for environmental impact analysis by the Air Force under the National Environmental Policy Act (NEPA).

19. ENVIRONMENTAL PLANNING FUNCTION CERTIFICATION (Name and Grade)	19a. SIGNATURE	19b. DATE
GLENN S. GOLSON, GS-12	Glenn S. Golson	1 Aug 13

AF IMT 813, SEP 99, CONTINUATION SHEET

This CATEX only applies to the permitted land. Any construction or action on this land should accomplish the Environmental Assessment at that time.

VI

EXHIBIT E
DACA41-3-11-2351

BE&K/Terranext 13202 West 98th Street Lenexa, Kansas 66215

ENVIRONMENTAL BASELINE STUDY – FINAL

Whiteman Air Force Base (AFB)
Proposed Army Aviation
Support Facility (AASF)
Whiteman AFB, Missouri 65305

BE&K/Terranext Project No. 17102205

Prepared For:

Missouri Army National Guard
Ike Skelton National Guard Training Site
2302 Militia Drive
Jefferson City, Missouri 65101-1203

January 17, 2001

Telephone: 913 894-4000 Facsimile: 913 894-5983 www.bektnxt.com

ENVIRONMENTAL
BASELINE STUDY – FINAL

Whiteman Air Force Base (AFB)
Proposed Army Aviation
Support Facility (AASF)
Whiteman AFB, Missouri 65305

Prepared By:

Kara M. Taylor

Kara M. Taylor
Geologist II

Reviewed By:

Edward S. Creaden, CHMM
Manager, Midwest Operations

BE&K/TerraNext

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY

a. Purpose of Project

The purpose of this Environmental Baseline Study (EBS) is to assess the environmental conditions that are present at the proposed location of the Missouri Army National Guard (MOARNG) Army Aviation Support Facility (AASF) located at Whiteman Air Force Base (AFB), Johnson County, Missouri. This process includes a comprehensive records search, a site inspection to determine if potential contamination exists on the site, interviewing owners and occupants of the property, and production of a report, in accordance with the EBS Standard Operating Procedures (SOP), published by the National Guard Bureau in February 1999.

b. Real Estate Action Proposed

Mr. Ross Reed, Missouri Army National Guard, stated that the Missouri Army National Guard is pursuing a license to obtain the use of the property from the United States Department of the Air Force.

c. Site Location

The approximate 63-acre site is located at the south end of Whiteman AFB, Missouri, about 9 miles east of Warrensburg, Missouri, 22 miles west of Sedalia, Missouri, 70 miles southeast of Kansas City, Missouri and immediately south of Knob Noster, Missouri. The site is located in Sections 3 and 4, Township 25 North, Range 24 West, Johnson County, Missouri. Figure A depicts the location of Whiteman AFB within the state of Missouri and Figure B is the topographic map of the Whiteman AFB area.

d. Recommendations

The MDNR letter to BE&K/Terranext dated September 28, 2001, indicates that the No Further Action requests for Sites LF-11 and LF-12, which are located within the boundaries of the proposed AASF property, will not be approved until further investigation and possible remediation is conducted at the former landfills. In an effort to obtain closure for Sites LF-11 and LF-12, BE&K/Terranext recommends additional surface and subsurface soil and ground water investigations at the proposed AASF property.

Based on the potential presence of TCE and petroleum hydrocarbons in the soil and/or ground water from historical activities performed at the former fire training area FT-02/FT-16, further investigation in the northwestern portion of the proposed AASF property is recommended. BE&K/Terranext recommends soil and ground water sampling in the northwestern portion of the site to identify the presence of potential contamination from former FT-02/FT-16 activities.

As historical geophysical (electromagnetic) surveys were inconclusive at LF-11 and did not indicate the presence of a landfill at LF-12, a more detailed geophysical survey, in the form of ground-penetrating radar, at both landfills is warranted.

e. Certification Statements

BE&K/Terranext has conducted this EBS on behalf of the Missouri Army National Guard. BE&K/Terranext has reviewed all appropriate records made available and conducted a visual site inspection of the site. The information contained within this report is based on records made available and, to the best of BE&K/Terranext's knowledge, is correct and current as of January 2002.

A complete search of agency files has revealed that hazardous substances as that term is defined by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 USC 9601) as amended, were stored for one year or more and released within the site at Whiteman Air Force Base, Missouri.

II. PURPOSE

The general purpose of an EBS is to make appropriate inquiry into the previous ownership and uses of the properties consistent with good commercial and customary practice, identify recognized environmental conditions associated with the property, and determine the need for additional data, including sampling and analysis.

According to the EBS SOP published by the National Guard Bureau in February 1999, the purpose of conducting environmental due diligence for real estate transactions is to establish a baseline to support the assertion of the Innocent Landowner Defense, determine environmental risks associated with the transaction, evaluate the potential costs associated with management of those risks, and integrate this information into the decision-making process on whether to continue with the acquisition/disposal action, reassess the value of the acquisition or cost of disposal, or accurately allocate the responsibility by naming the parties to the transaction.

As stated in the *American Society for Testing and Materials (ASTM) Designation E 1527-00 Standard Practice for Environmental Site Assessments*, the purpose of due diligence is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment (ESA) of a parcel of commercial real estate with respect to the range of contaminants within the scope of CERCLA and related to petroleum products.

III. SCOPE

a. Real Property Transaction Type

Mr. Ross Reed, Missouri Army National Guard, stated that the Missouri Army National Guard is pursuing a license to obtain the use of the property from the Department of the Army.

b. Property Category

According to information provided in the *Management Action Plan, Whiteman Air Force Base, December 1999*, the proposed AASF property is comprised of three Property Category areas.

The first is the former location of fire training area FT-02/FT-16, which is located to the north of the proposed AASF property. This area is identified as Property Category Area Type 5 – Area where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, removal and/or remedial actions are underway, but all required remedial actions have not yet been taken.

The second is the southwestern portion of property, including the former location of LF-11. This area is identified as Property Category Area Type 3 – Area where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, but at concentrations that do not warrant a removal or remedial action.

According to the Management Action Plan, the former location of LF-12 and the remaining portions of the proposed AASF property are identified as Property Category Area Type 1 – Area where no storage, release, or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas). Figures 3 and 4 of Appendix G identify the proposed AASF property, sites FT-02/FT-16, LF-11,LF-12, and the Property Category areas.

A Property Categories Map is included in Appendix G as Figure 4; however, the MDNR does not agree with the recommendation for No Further Action at sites LF-11 and LF-12. A letter from Mr. Thaxtor, MDNR Project Manager, indicates that contaminant concentrations above CALM guidelines for soil and ground water were identified at both LF-11 and LF-12. Based on the information provided in the MDNR letter, it is likely that the MDNR would classify both LF-11 and LF-12 under Property Category Area Type 5.

c. Parties

The parties involved in this property transaction are the United States Department of the Air Force, Whiteman AFB, Missouri and the Missouri Army National Guard, Ike Skelton National Guard Training Site, Jefferson City, Missouri.

IV. INTRODUCTION

a. Authority

In a Purchase Order/Contract Release Order dated July 3, 2001, BE&K/Terranext received authorization from Major Michael Winkler, EMO and Mr. Keith Braun, Missouri Army National Guard, to perform this Environmental Baseline Study.

b. Purpose of EBS

The purpose of this EBS is to assess the environmental conditions that are present at the proposed location of the Missouri Army National Guard AASF located at Whiteman AFB, Missouri. This process includes a complete and comprehensive records search, a site inspection to determine if potential contamination exists on the site, interviewing owners and occupants of the property, and production of a report, in accordance with the EBS SOP, published by the National Guard Bureau in February 1999.

c. Site Name, Address, Alias, ID Number

The site is the proposed AASF located at Whiteman AFB, Missouri. The EPA identification number for the site at Whiteman AFB, Missouri is MO8571924549.

d. Site Location within the State

The approximate 63-acre site is located at the south end of Whiteman AFB, Missouri, about 9 miles east of Warrensburg, Missouri, 22 miles west of Sedalia, Missouri, 70 miles southeast of Kansas City, Missouri and immediately south of Knob Noster, Missouri. The site is located in Sections 3 and 4, Township 25 North, Range 24 West, Johnson County, Missouri. Figure A depicts the location of Whiteman AFB within the state of Missouri and Figure B is the topographic map of the Whiteman AFB area.

e. Agency Performing the EBS

BE&K/Terranext, Lenexa, Kansas, performed the EBS on behalf of the Missouri Army National Guard, Jefferson City, Missouri.

f. Site's RCRA Status

According to information included in the data search performed by Environmental Data Resources, Inc. (EDR), Southport, Connecticut, Whiteman AFB is listed in the Resource Conservation and Recovery Information System - Large Quantity Generator (RCRIS-LQG) and RCRIS – Treatment, Storage, and/or Disposal (TSD) databases. The EDR report indicates that multiple LQG and TSD violations reported at Whiteman AFB; however, most have been complied with. On May 1, 1997 Whiteman AFB received a Notice of Violation (NOV) letter #4443 that notes six unsatisfactory features. A response letter to the Missouri Department of Natural Resources from Whiteman AFB dated

d. Proposed Use(s)

The proposed use for the site is an Army Aviation Support Facility for the Missouri Army National Guard.

e. Restrictions

According to Mr. Marvin Eaves, Whiteman AFB, restrictions have not been placed on the site. Mr. Eaves stated he does not know if restrictions will be placed on the site. In a letter from Mr. Thaxtor, MDNR Project Manager, the MDNR Solid Waste Management Regulations require permission prior to disturbing any active or discontinued soil waste disposal area.

f. Remediation Responsibility

Based on information provided by the Missouri Army National Guard, should remedial action be required at the site, remedial responsibility would belong to the original owner of the site, the United States Department of the Air Force, Whiteman AFB, Missouri.

May 15, 1997 explains the activities in question and indicated that Whiteman AFB was in compliance with CERCLA and RCRA requirements. A copy of the response letter is included in Appendix I.

g. CERCLIS Number

Information obtained from the EPA website indicates that the CERCLIS number for Whiteman AFB is MO8571924549.

h. Summary of Activities

According to information included in the *Management Action Plan, Whiteman Air Force Base, December 1999,* Whiteman AFB was built and operational beginning in 1942 as the Sedalia Army Air Field (SAAF) until 1947 when the SAAF was placed in inactive status. In 1951, the SAAF was reactivated as the Sedalia Air Force Base for the Strategic Air Command (SAC) and was renamed to Whiteman AFB four years later. Beginning in 1962, the primary function of the base was the construction and subsequent maintenance of 150 Intercontinental Ballistic Missile (ICBM) facilities. The primary mission of the base is currently the deployment of the B-2 Stealth Bomber, the T-38, and the A-10 aircraft.

The timeline for historic regulatory actions and subsequent reports impacting Whiteman AFB are as follows:

- 1984 – Phase I Records Search Report – identified 29 areas of potential contamination.
- 1987 & 1988 – Phase II Stage I – investigation of 13 areas identified in the 1984 Phase I.
- 1989 – Phase II Stage 2 – investigation of 12 areas identified in the 1984 Phase I.
- 1991 – RCRA Facilities Agreement – integrating Environmental Restoration Program (ERP) activities with RCRA Corrective Action measures.
- 1993 – No Further Remedial Action – recommended 12 sites to MDNR for closure.
- 1993 – RI/FS – investigation of 12 sites: including FT-02 and FT-16.
- 1997 – Remedial Investigation – investigation of 5 sites for remedial/removal action.
- 1997 – Site Investigation – initiated at 18 areas of concern.
- 2000 – RI/FS – Site FT-02.

i. Standard Industrial Codes (SIC)

The SIC for Whiteman AFB, Missouri is 9711 (Military Base).

V. SURVEY

a. Methodology

1. Approach and Rationale

The approach and rationale for this EBS is in accordance with the EBS SOP published by the National Guard Bureau in February 1999. In preparing the report, BE&K/Terranext made appropriate inquiry into the environmental condition of the site in a manner consistent with good commercial or customary practices as exercised by members of the environmental assessment profession. This includes, but is not limited to, physically inspecting the site, investigating the present and previous uses of the property, acquiring reasonably ascertainable information from public sources, evaluating findings, and preparing this EBS report.

2. Description of Documents Reviewed

a) Information from Client

Information from the Missouri Army National Guard included one map showing the location of the site. This map is included as Figure C.

b) Published Information

Reports and documents pertaining to the Whiteman AFB were reviewed at the Whiteman AFB Environmental Office, the Whiteman AFB Repository at the James Kirkpatrick Library on the Central Missouri State University campus, and the USEPA – Region VII Office. Appendix D contains copies of some of the historical report covers. The documents reviewed include, but are not limited to:

- Installation Restoration Program (IRP) Decision/Closure Documents, Whiteman AFB, Missouri, November 1996
- RCRA NOV #4443 response letter from Whiteman AFB to the MDNR, May 15, 1997
- Management Action Plan (MAP), Whiteman AFB, Missouri, December 1999
- Feasibility Study for FT-02, Whiteman AFB, Missouri, Montgomery Watson, February 2001
- Final Well Management Plan, Whiteman AFB, Missouri, Montgomery Watson, April 2001
- Record of Decision (ROD) for Site FT-02, Whiteman AFB, Missouri, Montgomery Watson, July 2001
- Soil Survey of Johnson County, Missouri, February 1980
- The Stratigraphic Succession in Missouri, Missouri Department of Natural Resources, 1995
- Various NOV letters and responses, sampling plans, and quality assurance plans

c) *Environmental Agency Records and Files*

BE&K/Terranext retained EDR to conduct an environmental records search of the proposed location of the MOARNG AASF at Whiteman AFB. The results of the search are provided in the EDR report included in Appendix B. The EDR report includes the names of the databases searched, the radius of study of each database, the database release date, and the sites identified within the database that meet the search parameters.

BE&K/Terranext requested a file search through the Freedom of Information Act (FOIA) to the USEPA on July 11, 2001. Ms. Lisa Hogan, USEPA - Region VII, suggested BE&K/Terranext perform the file search in person as there are many files to review for the Whiteman AFB; therefore, on July 19, 2001, BE&K/Terranext personnel reviewed the files available at the USEPA – Region VII Headquarters located in Kansas City, Kansas. Appendix K contains FOIA requests and responses. Appendix E contains an EBS information search checklist that identifies agencies and other sources of information gathered for this EBS.

3. *Property Inspections*

BE&K/Terranext Geologist Mrs. Kara Taylor conducted the site reconnaissance on July 26, 2001. The reconnaissance was conducted on foot and included a visual survey of the site for indications of past or present activities of environmental concern. All accessible portions of the site were visually inspected. Appendix A contains photo documentation of site reconnaissance.

Currently, there is only one permanent structure, a well house, located on the site. Mr. Marvin Eaves stated that the well is approximately 1,000 feet deep and us used to supply water to Whiteman AFB. Several crushed limestone gravel driveways and parking lots are located on the south half of the site. Arnold Avenue bounds the site to the west, the boundary of Whiteman AFB to the south, a groomed grass lot to the north, and the taxiway for the Whiteman AFB to the east. Groomed grass is located on the north half of the proposed AASF property and tall grass, weeds, tall trees, and shrubs are growing in undeveloped areas. Figure C is a site plan of the proposed AASF. *(Photographs 1 through 4 and 8)*

4. *Personal Interviews*

Personal interviews were conducted with Mr. Marvin Eaves, Whiteman Air Force Base Environmental Office, Mr. Jim Thaxtor, Missouri Department of Natural Resources, and Mr. Ross Reed, Missouri Army National Guard, regarding the site. Appendix J contains records of interviews conducted during the course of this EBS.

Mr. Reed stated that the Missouri Army National Guard intends to acquire a license from Whiteman AFB to use the area for an Army Aviation Support Facility.

Mr. Eaves stated that he is aware of at least one air permit and one NPDES permit for Whiteman AFB. He stated that he was unsure about a hazardous waste permit as a

90-day facility is located at Whiteman AFB where hazardous materials and/or wastes are stored for less than 90 days before they are shipped elsewhere. Mr. Eaves stated that property restrictions are not currently placed on the site and he does not know if restrictions will be placed on the property in the future. The site has not been the location of incinerators, transfer stations, septic tanks, or radioactive wastes in the past. Some of these items have been or currently are located throughout Whiteman AFB, but not in the vicinity of the proposed AASF property.

Mr. Thaxtor stated that he has been the MDNR Project Manager for Whiteman AFB for approximately 1.5 years and that his only knowledge of the site is via reports submitted to the MDNR for approval. He stated that he is unsure of the origin of TCE at Site FT-02 but that Whiteman AFB representatives believe the TCE was historically used to wash airplanes at the former taxiway/runway located at Site FT-02. In a letter submitted to BE&K/Terranext dated September 28, 2001, Mr. Thaxtor indicated that the MDNR does not agree with closure of Landfills 11and 12 (LF-11 and LF-12) at Whiteman AFB for several reasons as summarized below.

Landfill 11

1) Phenols and TPH were detected in the Phase II Stage 1 study; however, phenols and TPH were not addressed in the Phase II Stage 2 report, nor in the November 1999 Decision/Closure Document (D/CD) by Jacobs Engineering Group.
2) Complete ground water monitoring results were not included in the November 1999 D/CD.
3) The November 1999 D/CD indicated concentrations of manganese, lead, 1,2-dichloroethane, nitrobenzene, and TPH above CALM limits with no recommendations for proposed remediation.
4) The LF-11 monitoring wells were not included in the 1998 sampling event even though historic data indicated contaminant concentrations in those monitoring wells above acceptable limits.
5) All heavy metals were not included in historic ground water sampling of the former landfill.
6) The MDNR does not agree with the D/CD statement that the ground water in the shallow-water bearing zone is non-potable.
7) The MDNR does not agree with D/CD statement that receptors and pathways do not exist at the LF-11 site.

Landfill 12

1) The November 1999 D/CD by Jacobs Engineering Group indicates that lead was detected in soil and bis (2-ethylhexyl) phthalate was detected in ground water during historical investigations at concentrations above the CALM guidelines; however the D/CD does not address these contaminants.
2) Tables 4 and 5 of the D/CD do not have analytical units for constituents; therefore, the MDNR assumed units of micrograms per liter, which indicates concentrations above CALM guidelines.
3) The MDNR does not agree with the D/CD statement that the ground water in the shallow-water bearing zone is non-potable.

4) Ground water monitoring wells were not installed at LF-12.
5) The D/CD indicates that only routine refuse was disposed in the landfill in the 1940s and 50s; however, the MDNR believes that routine refuse during that time frame may be considered hazardous under current standards.
6) The MDNR does not agree with D/CD statement that receptors and pathways do not exist at the LF-11 site.

In addition, Mr. Thaxtor indicated that the MDNR Solid Waste Management Regulations require permission prior to disturbing any active or discontinued solid waste disposal area. A copy of the MDNR letter is included in Appendix I.

5. Sampling

Mr. Ross Reed, MOARNG, requested that BE&K/Terranext not collect samples from the site during the site inspection as sample collection is beyond the EBS scope of work.

Multiple sampling activities, such as soil and ground water sampling, have occurred throughout the history of Whiteman AFB, including areas within the Proposed AASF. According to the *Final Well Management Plan, Whiteman Air Force Base, Montgomery Watson, April 2001*, eight active monitoring wells are located at Site FT-02 (FT02MW01 through FT02MW07, and FT02MW11). Most of these wells are either 2 or 4 inch wells completed above-grade with total depths ranging from 14 to 17 feet below ground surface (bgs). Monitoring well FT02MW11 is a 2 inch well completed above-grade with a total depth of 151 feet bgs. Four inactive monitoring wells are located at Site LF-11 (LF11MW01 through LF11MW04). Data is not reported for monitoring well LF11MW04; however, the remaining LF-11 monitoring wells are 2 inch wells with total depths ranging from 14 to 29.3 feet bgs. The type of completion for these monitoring wells is not reported. Mr. Eaves stated that these monitoring wells were abandoned by Jacobs Engineering in April 1998. *(Photograph 4)*

The final ground water monitoring summary report for Environmental Restoration Program (ERP) Sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26 dated August 2001 was submitted to Whiteman AFB by Montgomery Watson. The report indicates that the ground water sampling events did not include Sites LF-11 or LF-12 and concludes that ground water at Site FT-02 contains contaminant concentrations above cleanup levels. A copy of portions of the report is included in Appendix D.

BE&K/Terranext observed the Site FT-02 monitoring wells during the site reconnaissance. In addition, one monitoring well was observed in the southwest portion of the proposed AASF property. Mr. Eaves indicated that the well observed was more than likely a monitoring well, although he was not certain. *(Photograph 7)*

6. Population Data

The site contains no permanent buildings, other than a well house located at the intersection of Arnold Avenue and the Perimeter Road. Johnson County is predominantly rural, with small towns throughout. The following figures represent historical population data for Johnson County, Knob Noster, Warrensburg, and Kansas City, Missouri. Appendix H contains population data information.

Year	Johnson County	Knob Noster	Warrensburg	Kansas City
1900	27,843	NA	NA	NA
1910	26,297	NA	NA	NA
1920	24,899	NA	NA	NA
1930	22,413	NA	NA	NA
1940	21,617	NA	NA	NA
1950	20,716	NA	NA	NA
1960	28,981	NA	NA	NA
1970	34,172	NA	NA	NA
1980	39,059	2,040	13,807	448,154
1990	42,514	2,264	15,244	435,141

NA – Information not available at time of EBS.

VI. BODY

a. Review of Site Background

1. Site Location and Legal Description

a) Property Identification

The site is located at the south end of Whiteman AFB, Missouri, approximately 9 miles east of Warrensburg, Missouri, 22 miles west of Sedalia, Missouri, 70 miles southeast of Kansas City, Missouri and immediately south of Knob Noster, Missouri. Figure A depicts the location of Whiteman AFB within the State of Missouri and Figure B is the topographic map of the Whiteman AFB area.

b) Description

The subject site is approximately 63 acres in size. The legal description of the site is Sections 3 and 4, Township 25 North, Range 24 West, Johnson County, Missouri.

c) Current Use

Currently, there is only one permanent structure, a well house, located on the site. Mr. Marvin Eaves stated that the well is approximately 1,000 feet deep and us used to supply water to Whiteman AFB. The north half of the property is an undeveloped grassy area. The south half of the property is used for temporary offices and storage for Whiteman AFB general contractors. Several contractor's trailers are staged on the south side of the Perimeter Road, along with ASTs, equipment storage, piles of scrap metal, wood pallets, concrete debris and other materials, and 55-gallons drums and 5-gallon buckets of various materials. *(Photographs 1 through 16)*

d) Previous Uses

1) Title Search/Title Review

A 60-year chain of title was developed by Nationwide Environmental Title Research, Tempe, Arizona and is included in Appendix H. According to information included in the chain of title search, the United States of America has owned the Whiteman AFB property since 1940. The chain of title indicates that the Unites State of America acquired the Whiteman AFB property prior to 1940.

2) Aerial Photographs

BE&K/Terranext reviewed an aerial photograph of Whiteman AFB obtained from Microsoft TerraServer. A copy of the aerial photograph is included as Figure 2 in Appendix G.

1996/1997 Aerial Photograph
This aerial photograph depicts the site, a portion of the MOARNG Armory located to the west of the proposed AASF property, and the abandoned taxiway/runway to the north of the property. It appears as though the former burn pits and ponds are present at site FT-02 to the north of the proposed AASF and possible extent of excavation is visible around one of the burn pits. At least two of the FT-02 monitoring wells are also visible (FTO2MW-01 and FT02MW-02). On the proposed AASF property, it appears as though several contractors' trailers are present, along with the monitoring well observed during the site reconnaissance (a small black dot located along the south boundary of the property, west of the north-south road that bisects the site).

3) Maps and Other Data

An aerial photograph/soil resource map from the Soil Survey of Johnson County was reviewed for historical significance. The scale is small (1:24,000); however, the site characteristics appear similar to those observed in the 1996/1997 aerial photograph. The aerial photograph was taken in 1980. It does not appear that contractors' trailers are present along the south half of the property; however, the burn pit area at site FT-02 is easily visible to the north of the proposed AASF property. Landfill features are not visible in this aerial photograph. Appendix G contains a copy of this map.

4) List of Special Resources

According to information included in the *Feasibility Study for Site FT-02, Whiteman Air Force Base, Montgomery Watson, February 2001*, threatened or endangered species have not been reported on the Whiteman AFB. In terms of wildlife, the Greater Prairie Chicken, a state-protected species, has been historically observed at Whiteman AFB. In terms of flora, the fragrant Mead's milkweed (Asclepia meadii Torr) and pale green orchid (Habenaria flava (L.) R.Br. var. flava) are state-endangered species that are potentially present in the Whiteman AFB area.

BE&K/Terranext has requested information on special resources, threatened and endangered species, and sensitive areas from the Missouri Department of Conservation (MDOC). In a letter dated August 21, 2001, the MDOC indicated that public lands, sensitive receptors and/or communities are known to exist on or near the site. The letter states that the Northern Crawfish Frog, which is ranked as rare and uncommon in the state, has been known to exist in the vicinity of the site.

e) Chronological Record of Ownership

The site is located within Whiteman AFB, which the United States of America has owned since prior to 1940.

2. *Descriptions of:*

a) *Structures*

Currently, there is only one permanent structure, a well house, located on the site. Mr. Marvin Eaves stated that the well is approximately 1,000 feet deep and us used to supply water to Whiteman AFB. Several temporary offices for Whiteman AFB general contractors are located on the south half of the property. *(Photographs 1, 3, and 5)*

b) *Roads*

Several crushed limestone gravel driveways and parking lots are located on the south half of the site. Arnold Avenue bounds the site to the west, the boundary of Whiteman AFB to the south, a groomed grass lot to the north, and the taxiway for the Whiteman AFB to the east. The Perimeter Road crosses through the center of the property from west to east. *(Photographs 1 through 4)*

c) *Other Improvements*

The site has overhead utilities located along the south boundary, and running to the contractors' trailers. Overhead electric lines are also present to the north of the site along the former taxiway/runway. Aside from the well house, contractors' trailers, roads, and crushed limestone gravel areas, most of the property is covered in grass, trees, and shrubs. *(Photographs 1 through 16)*

d) *Paved or Covered Areas*

The only paved areas are the roads that border and cross through the site. Crushed limestone parking lots are located on the south half of the property. *(Photographs 11 through 16)*

3. *Surrounding Area Description*

a) *Previous Uses*

The area surrounding the site is Whiteman AFB, Missouri. Whiteman AFB has been used as a military facility since the early 1940's. The site was formerly the location of two landfills (identified as landfills LF-11 and LF-12 in several historical reports). The northern portion of the site and the property immediately adjacent to the north of the site was the former location of a fire training area (identified as FT-02/FT-16 in several historical reports).

b) Current Uses

The area surrounding the site is the Whiteman AFB, Missouri and the primary mission of the base is currently the deployment of the B-2 Stealth Bomber, the T-38, and the A-10 aircraft.

c) Sensitive Receptors (within one-half mile)

According to the *Missouri Department of Natural Resources, Closure Guidance Document, March 1996*, an environmentally sensitive receptor is any losing stream, spring, seep, wild scenic river, outstanding resource water, or any area granted special status or recognition by either the state or federal government due to the presence of unique or exceptional landform, natural phenomena, ecosystem, watershed quality, scientific value, wildlife, or habitat.

Several sensitive receptors are located within or surrounding Whiteman AFB, Missouri; however, the Burtville Topographic Map show no such sensitive receptors within several miles of the site. Two small streams are located to the east and south of the site; however, it does not appear as though these streams would be considered sensitive receptors.

b. Record Review (Appendix E)

The purpose of an environmental records review is to evaluate the potential for adverse environmental impacts on the site. This is accomplished by reviewing various studies, databases, and records available through local, state, and federal agencies to identify documented conditions of environmental concern within the applicable radius of study recommended in the ASTM Practice and the EBS SOP.

1. General Public Records

Reports and documents pertaining to the Whiteman AFB were reviewed at the Whiteman AFB Environmental Office, the Whiteman AFB Repository at the James Kirkpatrick Library on the Central Missouri State University campus, and the USEPA – Region VII Office. Appendix D contains copies of some of the historical report covers. The documents reviewed include, but are not limited to:

- Installation Restoration Program (IRP) Decision/Closure Documents, Whiteman AFB, Missouri, November 1996
- RCRA NOV #4443 response letter from Whiteman AFB to the MDNR, May 15, 1997
- Management Action Plan (MAP), Whiteman AFB, Missouri, December 1999
- Feasibility Study for FT-02, Whiteman AFB, Missouri, Montgomery Watson, February 2001
- Final Well Management Plan, Whiteman AFB, Missouri, Montgomery Watson, April 2001

- Record of Decision (ROD) for Site FT-02, Whiteman AFB, Missouri, Montgomery Watson, July 2001
- Soil Survey of Johnson County, Missouri
- The Stratigraphic Succession in Missouri, Missouri Department of Natural Resources, 1995
- Various NOV letters and responses, sampling plans, and quality assurance plans

2. *Regulatory Compliance Records*

BE&K/Terranext retained EDR to conduct an environmental records search of the environmental conditions that are present at the proposed location of the Missouri National Guard AASF located at Whiteman AFB, Missouri. The results of the search are provided in the EDR report included in Appendix B. The EDR report includes the names of the databases searched, the radius of study of each database, the database release date, and the sites identified within the database that meet the search parameters.

The EDR report identified one area listed as a CERCLIS site, RCRIS Treatment, Storage, and/or Disposal (TSD) site, and RCRIS Large Quantity Generator (LQG) site. The site is the 509 CES CEV located at 660 10th Street, Suite 211, Whiteman AFB, Knob Noster, Missouri. The site is classified as high CERCLIS status with a site inspection completed in February 1987. Numerous violations are reported for the site, with various dates of compliance.

The EDR report did not identify any areas that are listed as NPL sites, RCRIS Small Quantity Generators (SQG), Emergency Response Notification System (ERNS) sites, UST, LUST, or AST facilities, State Hazardous Waste Sites (SHWS), or Solid Waste Landfills (SWL) within the ASTM search parameters from the site.

Areas identified outside the ASTM search parameters include:

- Dove Maintenance (UST – ST0012226);
- Whiteman (EX) ILS MM ANX (CERCLIS);
- Knaus Farm (CERCLIS);
- Knob Noster Maintenance Lot (UST, LUST – ST0012035);
- ALRED Auto Sales (RCRIS-SQG, FINDS);
- Spot Lite Cleaners Inc. (RCRIS-SQG, FINDS);
- Whiteman (EX) Comms Trans (CERCLIS);
- Wood Service Station (UST – ST0006110);
- Flow Stopped Prior to Leaving Base (ERNS);
- Whiteman AFB Building 1125, Suite 211 (ERNS);
- US Air Force (FINDS);
- Whiteman AFB (FTTS);
- Facility 153 (UST – ST0008375);
- Whiteman AFB/ Minuteman Two Launch Control Facility (ERNS).

c. Interviews

Personal interviews were conducted with Mr. Marvin Eaves, Whiteman Air Force Base Environmental Office, Mr. Jim Thaxtor, Missouri Department of Natural Resources, and Mr. Ross Reed, Missouri Army National Guard, regarding the site. Appendix J contains records of interviews conducted during the course of this EBS.

Mr. Reed stated that the Missouri Army National Guard intends to acquire a license from Whiteman AFB to use the area for an Army Aviation Support Facility.

Mr. Eaves stated that he is aware of at least one air permit and one NPDES permit for Whiteman AFB. He stated that he was unsure about a hazardous waste permit as a 90-day facility is located at Whiteman AFB where hazardous materials and/or wastes are stored for less than 90 days before they are shipped elsewhere. Mr. Eaves stated that property restrictions are not currently placed on the site and he doesn't know if restrictions will be placed on the property in the future. The site has not been the location of incinerators, transfer stations, septic tanks, or radioactive wastes in the past. Some of these items have been or currently are located throughout Whiteman AFB, but not in the vicinity of the proposed AASF property.

Mr. Thaxtor stated that he has been the MDNR Project Manager for Whiteman AFB for approximately 1.5 years and that his only knowledge of the site is via reports submitted to the MDNR for approval. He stated that he is unsure of the origin of TCE at Site FT-02 but that Whiteman AFB representatives believe the TCE was historically used to wash airplanes at the former taxiway/runway located at Site FT-02. In a letter submitted to BE&K/Terranext dated September 28, 2001, Mr. Thaxtor indicated that the MDNR does not agree with closure of Landfills 11and 12 (LF-11 and LF-12) at Whiteman AFB for several reasons as summarized below.

<u>Landfill 11</u>

1) Phenols and TPH were detected in the Phase II Stage 1 study; however, phenols and TPH were not addressed in the Phase II Stage 2 report, nor in the November 1999 Decision/Closure Document (D/CD) by Jacobs Engineering Group.
2) Complete ground water monitoring results were not included in the November 1999 D/CD.
3) The November 1999 D/CD indicated concentrations of manganese, lead, 1,2-dichloroethane, nitrobenzene, and TPH above CALM limits with no recommendations for proposed remediation.
4) The LF-11 monitoring wells were not included in the 1998 sampling event even though historic data indicated contaminant concentrations in those monitoring wells above acceptable limits.
5) All heavy metals were not included in historic ground water sampling of the former landfill.
6) The MDNR does not agree with the D/CD statement that the ground water in the shallow-water bearing zone is non-potable.

7) The MDNR does not agree with D/CD statement that receptors and pathways do not exist at the LF-11 site.

Landfill 12

1) The November 1999 D/CD by Jacobs Engineering Group indicates that lead was detected in soil and bis (2-ethylhexyl) phthalate was detected in ground water during historical investigations at concentrations above the CALM guidelines; however the D/CD does not address these contaminants.
2) Tables 4 and 5 of the D/CD do not have analytical units for constituents; therefore, the MDNR assumed units of micrograms per liter, which indicates concentrations above CALM guidelines.
3) The MDNR does not agree with the D/CD statement that the ground water in the shallow-water bearing zone is non-potable.
4) Ground water monitoring wells were not installed at LF-12.
5) The D/CD indicates that only routine refuse was disposed in the landfill in the 1940s and 50s; however, the MDNR believes that routine refuse during that time frame may be considered hazardous under current standards.
6) The MDNR does not agree with D/CD statement that receptors and pathways do not exist at the LF-12 site.

In addition, Mr. Thaxtor indicated that the MDNR Solid Waste Management Regulations require permission prior to disturbing any active or discontinued solid waste disposal area. A copy of the MDNR letter is included in Appendix I.

d. Site Reconnaissance and Investigation

1. Visual Inspection

BE&K/Terranext Geologist Mrs. Kara Taylor conducted the site reconnaissance on July 26, 2001. The reconnaissance was conducted on foot and included a visual survey of the site for indications of past or present activities of environmental concern.

a) Immediate Site

Currently, there is only one permanent structure, a well house, located on the site. The north half of the property is a vacant grassy area. The south half of the property is used for temporary offices and storage for Whiteman AFB general contractors. Several contractor's trailers are staged on the south side of the Perimeter Road, along with ASTs, equipment storage, piles of scrap metal, wood pallets, concrete debris and other materials, and 55-gallons drums and 5-gallon buckets of various materials. *(Photographs 1 through 16)*

Several crushed limestone gravel driveways and parking lots are located on the south half of the site. Arnold Avenue bounds the site to the west, the boundary of Whiteman AFB to the south, a groomed grass lot to the north, and the taxiway for the Whiteman AFB to the east. Groomed grass is located on the north half of the proposed AASF property and tall grass, weeds, tall trees, and shrubs are growing in undeveloped areas. Figure C is a site plan of the proposed AASF.

b) Surrounding Area

The area surrounding the site is the Whiteman AFB, Missouri and the primary mission of the base is currently the deployment of the B-2 Stealth Bomber, the T-38, and the A-10 aircraft. In addition, a portion of the property to the south of the proposed AASF property is farmland.

2. Investigation for Environmental Hazards

a) Topography and Soils

The Whiteman AFB is located within the Osage Plains Physiographic Province, which is comprised of varying topography: hills, valleys, and dissected uplands. The topography of the Whiteman Air Force Base area is generally flat, with the terrain increasing in irregularity around the boundaries, particularly to the west, of Whiteman Air Force Base. The terrain of the site is generally flat.

According to the *Soil Survey of Johnson County, Missouri, United States Department of Agriculture, Soil Conservation Service, 1980*, the soils in the vicinity of the site consist of the Haig silt loam, the Haplaquents-Urban land complex, and Sampsel silty clay loam, 2 to 5 percent slopes. Permeability of these soils is generally slow, runoff is slow to moderate, and available water capacity ranges from low to high.

b) Geology

1) Exposed Surface

BE&K/Terranext did not observe any exposed bedrock surfaces within the proposed AASF property during the site inspection. The exposed surface of the proposed AASF property is alluvial material comprised of silty clay and silt loam. The bedrock underlying the Whiteman AFB area is of the Pennsylvanian System, Cherokee Group. Bedrock within the Cherokee Group is comprised of a variety of rock types: shale, sandstone, limestone, siltstone, and coal.

2) Anomalies

Several unconformities exist within the geologic units present within Whiteman AFB boundaries. According to the *Feasibility Study of FT-02, Whiteman Air Force Base, Montgomery Watson, February 2001*, no major faults or fractures have been mapped in the area. Such anomalies were not visually identified at the site.

3) Break in Slope/Scarps

The terrain of the site and Whiteman AFB, in general is relatively flat. Several small streams drain to the south and west of the site, which ultimately flow into the Clear Fork Creek, located approximately 2 miles west of Whiteman AFB. Water and wind erosion has contributed to significant elevation changes near the Clear Fork Creek; however, the site is not located within the watershed of the creek.

4) Bedrock Outcrops

Outcrops are not present within the boundaries of the site. Outcrops in the Whiteman AFB area would most likely consist of limestone.

5) Vegetative Changes

Vegetation on the site consists of groomed grass, tall weeds, trees, shrubs, and wooded areas. Vegetation throughout the site ranges from groomed grass areas to densely wooded areas.

6) Orientations, Apertures

No major fault systems have been recorded for Johnson County; however, small fractures are found throughout the county. No evidence of geologic fracturing was observed during the site inspection. According to the *Feasibility Study of FT-02, Whiteman Air Force Base, Montgomery Watson, February 2001*, no major faults or fractures have been mapped in the area.

7) Mapped Geologic Formation

According to the *Stratigraphic Succession in Missouri, Missouri Department of Natural Resources, 1995 and the Geologic Map of Missouri, 1979*, the primary geologic formations that are present beneath Whiteman AFB are Pennsylvanian in age and belong to the Cabaniss Subgroup of the Cherokee Group. These formations include the Weir Formation, the Tebo Formation, Scammon Formation, the Mineral Formation, the Robinson Branch Formation, the Fleming Formation, the Crowberg Formation, the Verdigris Formation, the Bevier Formation, the Lagonda Formation, and the Mulky Formation. These formations are comprised of shale, siltstone, sandstone, limestone, and coal beds.

c) Hydrology

1) Surface

Surface waters drain from the site to the perimeters of the area. Several small streams drain to the south and west of the site, which ultimately flow into the Clear Fork Creek, located approximately 2 miles west of Whiteman AFB.

2) Subsurface

The general surface topographic gradient at Whiteman AFB is to the south and southwest. Accordingly, the theoretical direction of localized, shallow ground water flow is expected to imitate the surface topographic gradient. However, surface topography is not always the best indicator of shallow ground water flow direction; the actual ground water flow direction may vary due to subsurface geologic and hydrogeologic factors.

3) Monitoring Equipment

Monitoring equipment was not installed during the visual reconnaissance; however, several monitoring wells were observed on the property immediately to the north of the proposed AASF property and one monitoring well was observed in the southwest portion of the site. *(Photographs 4 and 7)*

4) Conduits

Several underground electrical and general utility conduits are located throughout Whiteman AFB. Although utility trenches were not observed during the site inspection, underground utilities may be present within the boundaries of the proposed AASF property for the contractors' trailers. Mr. Eaves stated that he is not aware of electric or sewer lines present within the boundaries of the proposed AASF property; however, a water main extends west from the well house and he believes that water service lines to the contractors' trailers are present.

5) Recharge Areas

Throughout Whiteman AFB, recharge occurs via infiltration of precipitation through the soil, fractures, or other geologic features, where overburden material is thin or non-existent. Recharge through losing streams is also evident in the Whiteman AFB area. Evidence of specific recharge areas at the site was not observed during the site reconnaissance.

6) Discharge Areas

Evidence of specific discharge areas within the site was not observed during the site reconnaissance.

7) Ground Water Sampling Results

Ground water sampling was not conducted during the site reconnaissance; although several ground water monitoring wells were observed during the site reconnaissance, one of which was located in the southwest corner of the property. Appendix I includes a list of public and private wells in the vicinity of Whiteman AFB.

d) Medical Waste

Medical wastes were not observed during the site reconnaissance.

e) Polychlorinated Biphenyls (PCBs)

1) Concentrations and Quantities

Suspect PCBs may be present within potential fluorescent light fixtures in the well house and contractors' trailers. According to *the Management Action Plan, Whiteman Air Force Base, December 1999*, all PCB transformers have been replaced and the PCB filters at the missile sites were removed and disposed of in 1995. In addition, 31 USTs with PCB-containing materials were removed from missile sites and 148 USTs were closed-in-place.

2) Spills

BE&K/Terranext did not observe any spills, leaks, or stains associated with any transformers, nor were tags, signs, or stickers identified indicating whether the transformers contained PCB-based dielectric fluid.

3) Equipment Location

Several pole-mounted transformers are located throughout the site and adjacent properties. Fluorescent light fixtures may be located within the well house and contractors' trailers located on the proposed AASF property and throughout Whiteman AFB.

f) Asbestos-Containing Materials (ACM)

Suspect ACM was not observed on the proposed AASF property during the site inspection.

g) Radon

BE&K/Terranext did not measure radon levels at the site during the site reconnaissance. The EDR report included radon information for Johnson County, Missouri. The report indicates that the EPA radon zone for the area is Zone 2; where Zone 2 is defined as having an indoor average radon level ranging from greater than 2 picocuries per liter (pCi/L) to less than 4 pCi/L.

h) Lead

Suspect lead-based paint (LBP) was not observed on the property during the site reconnaissance. Suspect LBP may be present in some of the 55-gallon drums and 5-gallon buckets located at some of the contractors' trailers; however, BE&K/Terranext did not open any of the containers to verify their contents.

i) Urea Formaldehyde Foam Insulation (UFFI)

UFFI is a spray foam insulation used to insulate roofs and walls of buildings (typically metal buildings). As the only permanent structure present at the site is a well house, the potential presence of UFFI at the site is minimal.

j) Hazardous Substances

1) Hazardous Waste

Currently, based on the site reconnaissance, hazardous wastes are not stored or generated at the site. However, Whiteman AFB is listed on the Federal Agency Hazardous Waste Compliance Docket as the base is classified as a large-quantity generator. According to *the Management Action Plan, Whiteman Air Force Base, December 1999*, hazardous wastes are temporarily stored in one of 19 satellite storage areas, then moved to an accumulation point where the wastes are stored for less than 90 days before disposal off-base by a licensed contractor.

According to the *Technical Document To Support No Further Action (NFA), Installation Restoration Program, Landfill 3, Whiteman Air Force Base, Ecology and Environment, Inc., August 1988*, Landfill 3 is now referred to as Site LF-12. The report states that, although historical documentation indicates that a landfill was located to the south of site FT-02 and was operational for approximately one year between the late 1940s and early 1950s, aerial photographs and geophysical surveys did not indicate the presence of a landfill in that area. Soil samples collected from the suspected landfill area (LF-12) indicated the presence lead, and oil and grease in the first two feet of soil. The *Technical Document To Support No Further Action, Site 11B – Landfill 2, United States Air Force, December 1990,* indicates that Site LF-11 (formerly known as Landfill 2) primarily consisted of household trash. The results of a geophysical survey performed at LF-11 in 1985 or 1986 were inconclusive due to interference from metal in a hardfill section of the landfill. These reports were submitted to the MDNR in 1988 and 1990, respectively, and a response from the MDNR regarding NFA approval has not been received. Information provided from the MDNR indicate that the NFA requests will not be approved until further investigation is conducted at the former landfills.

At Site FT-02, historically, fuels were set on fire at burn pits for training purposes. The fires were extinguished and the wastewater was flushed onto the ground surface. During excavation activities conducted in 1996 and 1997, TCE was encountered. The source of the TCE is unknown; however, historical research has indicated that the source of the TCE may be the former fire training exercises at the former runway/taxiway located within Site FT-02.

2) Hazardous Materials

Hazardous materials identified at the site during the site reconnaissance include various containers of oils, lubricants, paints, and petroleum fuels located around the contractors' trailers. At the time of the site visit, these materials were stored in ASTs, 55-gallon drums, and 5-gallon containers. Most were labeled properly minimizing the potential for environmental impact to the site. Various other hazardous materials are stored throughout Whiteman AFB.

3) Petroleum (POL)

As Whiteman AFB is a military facility, petroleum, oil, and lubricant (POL) storage facilities are located throughout the facility. The site reconnaissance revealed that various petroleum-based materials, oils, and lubricants are stored in the vicinity of the contractors' trailers. *(Photographs 11 through 16)*

4) Petroleum Waste

Based on the site reconnaissance, petroleum wastes are not stored or generated at the site. As vehicle maintenance shops are present within Whiteman AFB, historic and/or current generation of petroleum waste is possible. At Site FT-02, historically, fuels were set on fire at burn pits for training purposes. The fires were extinguished and the wastewater was flushed onto the ground surface.

According to the *Technical Document To Support No Further Action (NFA), Installation Restoration Program, Landfill 3, Whiteman Air Force Base, Ecology and Environment, Inc., August 1988,* Landfill 3 is now referred to as Site LF-12. The report states that, although historical documentation indicates that a landfill was located to the south of site FT-02 and was operational for approximately one year between the late 1940s and early 1950s, aerial photographs and geophysical surveys did not indicate the presence of a landfill in that area. Soil samples collected from the suspected landfill area (LF-12) indicated the presence lead, and oil and grease in the first two feet of soil. The *Technical Document To Support No Further Action, Site 11B – Landfill 2, United States Air Force, December 1990,* indicates that Site LF-11 (formerly known as Landfill 2) primarily consisted of household trash. The results of a geophysical survey performed at LF-11 in 1985 or 1986 were inconclusive due to interference from metal in a hardfill section of the landfill.

k) Solid Waste

1) Landfills

BE&K/Terranext did not observe active landfills on or adjacent to the proposed AASF property. According to the *Technical Document To Support No Further Action (NFA), Installation Restoration Program, Landfill 3, Whiteman Air Force Base, Ecology and Environment, Inc., August 1988,* Landfill 3 is now referred to as Site LF-12. The report states that, although historical documentation indicates that a landfill was located to the south of site FT-02 and was operational for approximately one year between the late 1940s and early 1950s, aerial photographs and geophysical surveys did not indicate the presence of a landfill in that area. However, soil samples collected from the suspected landfill area (LF-12) indicated the presence lead, and oil and grease in the first two feet of soil. The *Technical Document To Support No Further Action, Site 11B – Landfill 2, United States Air Force, December 1990*, indicates that Site LF-11 (formerly known as Landfill 2) primarily consisted of household trash. The results of a geophysical survey performed at LF-11 in 1985 or 1986 were inconclusive due to interference from metal in a hardfill section of the landfill. These reports were submitted to the MDNR in 1988 and 1990, respectively, and a response from the MDNR regarding NFA approval has not been received. Information provided from the MDNR indicate that the NFA requests will not be approved until further investigation and possible remediation is conducted at the former landfills.

2) Transfer Stations

The site is not located within and does not contain a transfer station. According to Mr. Eaves, transfer stations are not located at Whiteman AFB.

3) Incineration Locations and Types

The site does not contain incinerators. According to Mr. Eaves, incinerators have not been located at the proposed AASF property in the past; although, incinerators have been located at Whiteman AFB in the past. Mr. Eaves stated that one incinerator may be active at the base but it is not located near the proposed AASF property.

l) Pits, Sumps, Drywells, Oil/Water Separators, Floor Drains, or Catchbasins

Pits, sumps, drywells, oil/water separators, floor drains, and catchbasins were not observed during the visual reconnaissance. Pits, oil/water separators, floor drains, and catchbasins are or were previously located throughout Whiteman AFB. Current uses and conditions of these structures within Whiteman AFB are unknown.

m) On-site Aboveground and Underground Storage Tanks

USTs were not observed at the site. ASTs were observed in conjunction with the activities at the contractors' trailers, located on the southern portion of the proposed AASF property. According to *the Management Action Plan, Whiteman Air Force Base, December 1999, and the Feasibility Study for Site FT-02, Montgomery Watson, February 2001,* historical USTs have not been located directly on the proposed AASF property. A list of USTs for Whiteman AFB is included in Appendix D. *(Photographs 11 through 16)*

n) Off-site Storage Tanks

According to *the Management Action Plan, Whiteman Air Force Base, December 1999*, tests, investigations, or mitigation has been performed on a total of 295 USTs at

Whiteman AFB. According to the *Feasibility Study for Site FT-02, Montgomery Watson, February 2001,* the former ASTs located west of former Burn Pit No. 2 were removed prior to 1993 and the former AST located north of former Burn Pit No. 1 and the waste oil UST located east of that Burn Pit were removed during excavation activities conducted in 1994 and 1995.

o) Storm Water Drainage

A Missouri State Operating Permit has been issued to Fort Leonard Wood for storm water drainage (MO-0119644). The permit is a general permit that applies to the entire Whiteman AFB facility and requires monthly sampling from four storm water outfalls. A Federally-Owned Treatment Works Permit (MO-0029378) also requires monthly sampling, but from one outfall, up and down stream. Surface waters drain from the site to the perimeters of the area. The Clear Fork Creek is located approximately 2 miles to the west of Whiteman AFB.

p) UXO (Unexploded Ordnances)

A UXO is an explosive shell that failed to explode. The site reconnaissance did not reveal any such items at the site. Unexploded ordnances are possibly present within Whiteman AFB simply because it is a military facility, although the most likely location for UXOs would be on the firing range.

q) Noise Potential

Noise hazards are encountered at the site due to activities at the firing range, the airport activities when aircraft are taking off from the runway, and any area where demolition or renovation of buildings are actively taking place within Whiteman AFB.

r) Air

1) Permits

According to *the Management Action Plan, Whiteman Air Force Base, December 1999,* at least 23 air permits exist for various areas throughout Whiteman AFB. It does not appear as though the proposed AASF property is included under these air permits. A list of the air permits for Whiteman AFB is included in Appendix D.

2) Monitoring Equipment

Air monitoring equipment was not observed during the visual reconnaissance of the site.

s) Radioactive Waste

Evidence of radioactive waste was not observed during the visual reconnaissance of the site. Two Sites, RW-01 and RW-02, were low level radioactive waste sites that were in operation from the 1950's to 1957 and from 1957 to 1991, respectively. These sites have undergone remediation. Mr. Eaves stated that no other radioactive waste sites have been identified at Whiteman AFB.

t) Visual Disturbances

Distressed vegetation, surface staining, fill material, or other visible signs of land disturbance were not observed during the site reconnaissance.

u) Wastewater Treatment

Wastewater treatment facilities were not identified at the site during the site reconnaissance; however, Whiteman AFB operate a wastewater treatment facility.

v) CERCLA-related Contamination

1) Properties That Do Not Require Remedial Action

Portions of the proposed AASF property and Whiteman AFB do not require remedial action; however, some form of remedial action is required at approximately 43 sites throughout Whiteman AFB. According to the MDNR, Landfills 11 and 12, located within the proposed AASF property, required additional remedial action, along with Site FT-02, located immediately adjacent to the north of the proposed AASF property. It is estimated that approximately 30% of the proposed AASF site may require additional remedial activity.

2) Properties That Have Undergone Required Remedial Action

According to the *Management Action Plan, Whiteman Air Force Base, December 1999*, 40 sites at Whiteman AFB were identified in a Phase I Records search as having potential environmental contamination. Of these, 27 did not warrant further investigation and the remaining 13 plus one additional site were recommended for environmental investigation. Following additional records searches, 15 more sites were added to the Environmental Remediation Program (ERP), for a total of 29 sites. An additional 14 areas of concern were added to the 29 ERP sites for a total of 43 sites undergoing some type of environmental remediation.

Site FT-02, located immediately to the north of the proposed AASF property, has undergone several remedial stages and the Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001. No Further Action requests have been submitted to the MDNR for Sites LF-11 and LF-12 in 1988 and 1990, respectively, located within the proposed AASF property boundaries. Several other sites through Whiteman AFB have undergone various levels of remedial action. Information provided from the MDNR indicates that the No Further Action requests will not be approved until further investigation and possible remediation is conducted at the former landfills.

3) Properties That Do Require Remedial Action

During excavation activities conducted at Site FT-02 in 1996 and 1997, elevated concentrations of TCE were detected in soil and ground water. The source of the TCE is unknown; however, historical research has indicated that the source of the TCE may be the former fire training exercises at the former runway/taxiway located within Site FT-02.

Remedial action is still required at several sites within Whiteman AFB; however sites LF-11 and LF-12 currently have No Further Action requests submitted to the MDNR. The Feasibility Study for Site FT-02 recommends no further action as the TCE that was encountered during excavation activities was not a contaminant of concern originally identified. Information provided from the MDNR indicates that the No Further Action requests will not be approved until further investigation and possible remediation is conducted at the former landfills.

w) Wastewater (Equipment Cleaning Station)

Wash pads were not observed during the site reconnaissance; however, such areas are located throughout Whiteman AFB.

x) Septic Tanks

The site reconnaissance did not reveal the presence of septic tanks on the proposed AASF property. According to Mr. Eaves, septic tanks have not been located at the property in the past. Several septic tanks were historically located throughout Whiteman AFB; however, the septic tanks were removed and replaced with pumping stations that are not located near the proposed AASF property.

y) Environmental Compliance

According to the EDR report and a document search performed at the EPA – Region VII Office, several notices of violation (NOVs) pertaining to the MDNR Hazardous Waste Program and the facility's large-quantity generator status have been issued to Whiteman AFB.

3. Investigation for Special Resources

a) Threatened and Endangered Species

According to information included in the *Feasibility Study for Site FT-02, Whiteman Air Force Base, Montgomery Watson, February 2001*, threatened or endangered species have not been reported on the Whiteman AFB. In terms of wildlife, the Greater Prairie Chicken, a state-protected species, has been historically observed at Whiteman AFB. In terms of flora, the fragrant Mead's milkweed (Asclepia meadii Torr) and pale green orchid (Habenaria flava (L.) R.Br. var. flava) are state-endangered species that are potentially present in the Whiteman AFB area.

BE&K/Terranext has requested information on special resources, threatened and endangered species, and sensitive areas from the MDOC. In a letter dated August 21, 2001, the MDOC indicated that public lands, sensitive receptors and/or communities are known to exist on or near the site. The letter states that the Northern Crawfish Frog, which is ranked as rare and uncommon in the state, has been known to exist in the vicinity of the site.

b) Wetlands

During the site reconnaissance, wetland areas were not observed at the site. According to Wetlands Delineation Maps researched by EDR, several small wetlands areas were identified within two miles of the proposed AASF property; however, these are generally small ponds that are not directly within the property boundaries of the site.

c) Conservation Areas

According to Burtville Quadrangle Topographic Map, the site is not located within conservation areas. According to the Missouri Department of Conservation, a wildlife area is essentially the same as a conservation area, as the Department of Conservation manages both. The Burtville Quadrangle does not indicate a conservation area or wildlife area within several miles of Whiteman AFB. However, The EDR report indicates that Whiteman AFB and the surrounding area is a Federal Natural/Wildlife Area.

d) Undeveloped Floodplains/Wild and Scenic Rivers

According to the NEPA report provided by EDR, the site is not located within an undeveloped floodplain or within an undeveloped wild and scenic river system.

e) Scientific Significance

Historical research conducted by BE&K/Terranext during completion of this EBS has not revealed that the site has been designated as having special scientific significance.

f) Wilderness Areas

According to the Missouri Department of Conservation, the United States Forest Service manages wilderness areas. Information obtained from the United States Forest Services indicates that there are six designated wilderness areas within the State of Missouri. The site is not included in any of these six areas.

g) National Natural Landmarks

Historical research conducted by BE&K/Terranext during completion of this EBS has not indicated that the site is located in areas of national natural landmarks.

h) Undeveloped Properties within Sole-Source Aquifer

Historical research conducted by BE&K/Terranext during completion of this EBS has not indicated that Whiteman AFB is a part of an undeveloped property that lies within a sole-source aquifer.

i) Historic Property

Historical research conducted by BE&K/Terranext during completion of this EBS has not indicated that Whiteman AFB is considered an official historic property. According to the National Historic Preservation Act (NRHP) Section 106 and the Advisory Council for Historic Preservation Regulation 36 CFR 800.2(e), "Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places. This term includes, for the purpose of these regulations, artifacts, records, and remains that are related to and located within such properties. The term eligible for inclusion to the National Register includes both properties formally determined as such by the Secretary of the Interior and all other properties that meet National Register listing criteria."

j) Recreational Areas

According to the Burtville Quadrangle Topographic Map, Whiteman AFB is not located within a recreational area; however, the Knob Noster State Park bounds the Whiteman AFB to the west. The primary use of the park is for recreational purposes. The west boundary of the proposed AASF property is approximately 1,700 feet east of the east boundary of the Knob Noster State Park. The potential health impact from proposed activities at the AASF to recreational activities in the park is expected to be minimal.

k) Undeveloped Coastal Areas

As the State of Missouri is a landlocked state, the site does not lie within an undeveloped coastal area.

l) 100-year Floodplain

According to information included in the database search conducted by EDR, the site does not lie within a designated 100-year floodplain.

m) Wild and Scenic Rivers

According to the Burtville Quadrangle Topographic Maps, Whiteman AFB does not lie within a wild and/or scenic river area.

n) Sole-Source Aquifers

Historical research conducted by BE&K/Terranext during completion of this EBS has not indicated that Whiteman AFB is a part of a property that lies within a sole-source aquifer. Sole-source aquifers were not identified in the vicinity of Whiteman AFB.

o) Erosion Problems

The site reconnaissance did not reveal evidence of significant erosion problems at the site.

VII. APPLICABLE REGULATORY COMPLIANCE ISSUES

a. List of Compliance Issues

Specific compliance issues for the proposed AASF property have not been identified. Several remedial stages have been performed at Site FT-02, located immediately to the north of the proposed AASF property. The Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001 requesting No Further Action as the TCE that was encountered during excavation activities was not a contaminant of concern originally identified. Information provided by the MOARNG indicates that officials at Whiteman AFB would prefer to address the TCE under a separate Installation Restoration Program (IRP). The source of the TCE is unknown; however, historical research has indicated that the source of the TCE may be the former fire training exercises at the former runway/taxiway located within Site FT-02.

No Further Action requests have also been submitted to the MDNR for Sites LF-11 and LF-12, located within the proposed AASF property boundaries. Information provided from the MDNR indicates that the No Further Action requests will not be approved until further investigation and possible remediation is conducted at the former landfills.

According to the EDR report and a document search performed at the EPA – Region VII Office, several NOVs have been issued to Whiteman AFB pertaining to the MDNR Hazardous Waste Program and the facility's large-quantity generator status.

b. Description of Corrective Actions

Corrective actions currently planned for sites LF-11, LF-12, and FT-02 are limited to continued ground water monitoring. In a letter submitted to BE&K/Terranext dated September 28, 2001, Mr. Thaxtor indicated that the MDNR does not agree with closure of Landfills 11 and 12 as historical soil and ground water data has either not been completely collected or reported for both sites. As such, the MDNR will likely require additional geophysical surveys, surface and subsurface soil investigations, and/or ground water sampling at Sites LF-11 and LF-12 before closure will be granted. The MDNR may also require soil and/or ground water sampling at Site FT-02 in an effort to determine migration of contaminants onto the proposed AASF property.

c. Estimates of Various Alternatives

As the source area for the TCE contamination is suspected to be located outside of the boundaries of the proposed AASF property, an estimate of various alternatives for TCE cleanup is not applicable. Various alternatives for Sites LF-11 and LF-12 could include encapsulating the landfills by covering the ground surface with concrete or changing the locations of proposed AASF buildings.

VIII. SUMMARY OF FINDINGS

a. Facility Matrix

A facility matrix for the site is included in Section XV as Figure C, Site Layout/Plan.

b. Property Categories Map

According to information provided in the *Management Action Plan, Whiteman Air Force Base, December 1999*, the proposed AASF property is comprised of three Property Category areas.

The first is the former location of fire training area FT-02/FT-16, which is located to the north of the proposed AASF property. This area is identified as Property Category Area Type 5 – Area where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, removal and/or remedial actions are underway, but all required remedial actions have not yet been taken.

The second is the southwestern portion of property, including the former location of LF-11. This area is identified as Property Category Area Type 3 – Area where storage, release, disposal, and/or migration of hazardous substances or petroleum products has occurred, but at concentrations that do not warrant a removal or remedial action.

According to the Management Action Plan, the former location of LF-12 and the remaining portions of the proposed AASF property are identified as Property Category Area Type 1 – Area where no storage, release, or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas). Figures 3 and 4 of Appendix G identify the proposed AASF property, sites FT-02/FT-16, LF-11,LF-12, and the Property Category areas.

A Property Categories Map is included in Appendix G as Figure 4; however, the MDNR does not agree with the recommendation for No Further Action at sites LF-11 and LF-12. A letter from Mr. Thaxtor, MDNR Project Manager, indicates that contaminant concentrations above CALM guidelines for soil and ground water were identified at both LF-11 and LF-12. Based on the information provided in the MDNR letter, it is likely that the MDNR would classify both LF-11 and LF-12 under Property Category Area Type 5.

c. Resources Map

A Resources Map is not applicable for the site.

d. Data Gaps

In preparing the report, BE&K/Terranext believes that appropriate inquiry has been made into the environmental condition of the site in a manner consistent with good commercial or customary practices as exercised by members of the environmental assessment profession. Furthermore, BE&K/Terranext believes data obtained through historical research for this EBS is complete and from reliable sources.

e. Risk Assessment

BE&K/Terranext finds environmental risks associated with the site to be moderate as areas of contamination to the north of the site and the former landfill areas were identified during the site reconnaissance and historical research.

f. Investigative Findings

Currently, there is only one permanent structure, a well house, located on the site. The north half of the property is an undeveloped grassy area. The south half of the property is used for temporary offices and storage for Whiteman AFB general contractors. Several contractor's trailers are staged on the south side of the Perimeter Road, along with ASTs, equipment storage, piles of scrap metal, wood pallets, concrete debris and other materials, and 55-gallons drums and 5-gallon buckets of various materials.

Site FT-02, located immediately to the north of the proposed AASF property, has undergone several remedial stages and the Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001. The Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001 requesting No Further Action as the TCE that was encountered during excavation activities was not a contaminant of concern originally identified. Information provided by the MOARNG indicates that officials at Whiteman AFB would prefer to address the TCE under a separate Installation Restoration Program (IRP). The source of the TCE is unknown; however, historical research has indicated that the source of the TCE may be the former fire training exercises at the former runway/taxiway located within Site FT-02.

Remedial action is still required for several other sites within Whiteman AFB; however No Further Action requests have been submitted to the MDNR for sites LF-11 and LF-12, located within the boundaries of the proposed AASF property. In a letter submitted to BE&K/Terranext dated September 28, 2001, Mr. Thaxtor indicated that the MDNR does not agree with closure of Landfills 11 and 12 as historical soil and ground water data has either not been completely collected or reported for both sites. Specific contaminants and concerns identified in the MDNR letter are outlined in Sections V.,a.,4. and VI.,c. of this report. A copy of the MDNR letter is included in Appendix I.

g. Sampling

Mr. Ross Reed, MOARNG, requested that BE&K/Terranext not collect samples from the site during the site inspection as sample collection is beyond the EBS scope of work.

Multiple soil and ground water sampling activities have occurred throughout the history of Whiteman AFB, including areas within the Proposed AASF. According to the *Final Well Management Plan, Whiteman Air Force Base, Montgomery Watson, April 2001*, eight active monitoring wells are located at Site FT-02 (FT02MW01 through FT02MW07, and FT02MW11). Most of these wells are either 2 or 4 inch wells completed above-grade with total depths ranging from 14 to 17 feet below ground surface (bgs). Monitoring well FT02MW11 is a 2 inch well completed above-grade with a total depth of 151 feet bgs. Four inactive monitoring wells are located at Site LF-11 (LF11MW01 through LF11MW04). Data is not reported for monitoring well LF11MW04; however, the remaining LF-11 monitoring wells are 2 inch wells with total depths ranging from 14 to 29.3 feet bgs. The type of completion for these monitoring wells is not reported. Mr. Eaves stated that these monitoring wells were abandoned by Jacobs Engineering in April 1998.

The final ground water monitoring summary report for Environmental Restoration Program (ERP) Sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26 dated August 2001 was submitted to Whiteman AFB by Montgomery Watson. The report indicates that the ground water sampling events did not include Sites LF-11or LF-12 and concludes that ground water at Site FT-02 contains contaminant concentrations above cleanup levels.

BE&K/Terranext observed the Site FT-02 monitoring wells (located to the north of the proposed AASF property) during the site reconnaissance. In addition, one monitoring well was observed in the southwest portion of the proposed AASF property. Mr. Eaves indicated that the well observed was more than likely a monitoring well, although he was not certain.

In addition to ground water sampling, geophysical surveys have been conducted and numerous surface and subsurface soil samples have been collected at Sites LF-11 and LF-12. In general, surface and subsurface soils at both LF-11 and LF-12 contain contaminant concentrations above cleanup levels.

h. History and Current Use

The area surrounding the site is Whiteman AFB, Missouri. In addition, a portion of the property to the south of the proposed AASF property is farmland. Whiteman AFB has been used as a military facility since the early 1940's. The site was formerly the location of two landfills (identified as landfills LF-11 and LF-12 in several historical reports). The property immediately adjacent to the north of the site was the former location of a fire training area (identified as FT-02/FT-16 in several historical reports).

Currently, there is only one permanent structure, a well house, located on the site. The north half of the property is an undeveloped grassy area. The south half of the property is used for temporary offices and storage for Whiteman AFB general contractors. Several contractor's trailers are staged on the south side of the Perimeter Road, along with ASTs, equipment storage, piles of scrap metal, wood pallets, concrete debris and other materials, and 55-gallons drums and 5-gallon buckets of various materials.

i. Environmental Setting

According to the *Management Action Plan, Whiteman Air Force Base, December 1999*, 40 sites at Whiteman AFB were identified in a Phase I Records search for potential environmental contamination and of these, 27 did not warrant further investigation. Following additional records searches, 15 more sites were added to the Environmental Remediation Program (ERP), for a total of 29 sites. An additional 14 areas of concern were added to the 29 ERP sites for a total of 43 sites undergoing some type of environmental remediation.

Site FT-02, located immediately to the north of the proposed AASF property, has undergone several remedial stages and the Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001. No Further Action requests have been submitted to the MDNR for sites LF-11 and LF-12, located within the proposed AASF property boundaries. Several other sites through Whiteman AFB have undergone various levels of remedial action. Information provided from the MDNR indicates that the No Further Action requests will not be approved until further investigation and possible remediation is conducted at the former landfills.

j. Adjacent Properties

The area surrounding the site is Whiteman AFB, Missouri. Whiteman AFB has been a military facility since the early 1940's and the primary mission of the base is currently the deployment of the B-2 Stealth Bomber, the T-38, and the A-10 aircraft. The northern portion of the site and the property immediately adjacent to the north of the site was the former location of a fire training area (identified as FT-02/FT-16 in several historical reports).

Various facilities within Whiteman AFB are listed in the research conducted by EDR. These areas are listed as CERCLIS, ERNS, FINDS, and UST facilities. These areas do not specifically include the site.

IX. CONCLUSIONS

Currently, there is only one permanent structure, a well house, located on the site. The north half of the property is an undeveloped grassy area. The south half of the property is used for temporary offices and storage for Whiteman AFB general contractors. Several contractor's trailers are staged on the south side of the Perimeter Road, along with ASTs, equipment storage, piles of scrap metal, wood pallets, concrete debris and other materials, and 55-gallons drums and 5-gallon buckets of various materials.

Site FT-02, located immediately to the north of the proposed AASF property, has undergone several remedial stages and the Feasibility Study for Site FT-02 was submitted to the MDNR in February 2001. The Feasibility Study for Site FT-02 recommends no further action, even though elevated concentrations of TCE were encountered in soil and ground water during excavation activities conducted in 1996 and 1997. Information provided by the MOARNG indicates that officials at Whiteman AFB would prefer to address the TCE under a separate Installation Restoration Program (IRP). The source of the TCE is unknown; however, historical research has indicated that the source of the TCE may be the former fire training exercises at the former runway/taxiway located within Site FT-02.

The MDNR still requires remedial action at several other sites within Whiteman AFB; however, No Further Action requests have been submitted to the MDNR for sites LF-11 and LF-12, located within the boundaries of the proposed AASF property. Information provided from the MDNR indicates that the No Further Action requests will not be approved until further investigation and possible remediation is conducted at the former landfills. Based on historical soil and ground water sampling results and the proximity of Site FT-02 to the proposed AASF property, it is reasonable to conclude that TCE contamination may be present at the proposed AASF property.

X. RECOMMENDATIONS

The MDNR letter to BE&K/Terranext dated September 28, 2001, indicates that the No Further Action requests for Sites LF-11 and LF-12, which are located within the boundaries of the proposed AASF property, will not be approved until further investigation and possible remediation is conducted at the former landfills. In an effort to obtain closure for Sites LF-11 and LF-12, BE&K/Terranext recommends additional surface and subsurface soil and ground water investigations at the proposed AASF property.

Based on the potential presence of TCE and petroleum hydrocarbons in the soil and/or ground water from historical activities performed at the former fire training area FT-02/FT-16, further investigation in the northwestern portion of the proposed AASF property is recommended. BE&K/Terranext recommends soil and ground water sampling in the northwestern portion of the site to identify the presence of potential contamination from former FT-02/FT-16 activities.

As historical geophysical (electromagnetic) surveys were inconclusive at LF-11 and did not indicate the presence of a landfill at LF-12, a more detailed geophysical survey, in the form of ground-penetrating radar, at both landfills is warranted.

XI. LIMITATIONS

This report is prepared for the exclusive use of the Missouri Army National Guard and/or their designees to aid in the environmental conditions that are present at the proposed location of the Missouri National Guard AASF. In preparing the report, BE&K/Terranext made appropriate inquiry into the environmental condition of the site in a manner consistent with good commercial or customary practices as exercised by members of the environmental assessment profession. This includes, but is not limited to, physically inspecting the site, investigating the present and previous uses of the property, acquiring reasonably ascertainable information from public sources, evaluating findings, and preparing this EBS report. All statements of environmental condition regarding the site represent the professional opinions of the BE&K/Terranext personnel involved with the project and should not be considered a legal interpretation of existing environmental regulations.

This EBS is strictly limited to identifying potential environmental liabilities associated with the site and does not extend to evaluating the structural condition of any structures on the property of concern. Not identifying environmental liabilities associated with the site should not be interpreted as a guarantee that such liabilities do not exist. It is a statement indicating that the probability of environmental liabilities should be minimal due to the factors investigated and evaluated.

Results of this EBS are based upon owner/occupant information collected by BE&K/Terranext personnel during the site inspection, information gathered from interviews with knowledgeable persons regarding the property history, and information provided by commercial services and contacted regulatory and governmental agencies. The information is believed to be from reliable sources, but no responsibility is assumed for its accuracy since BE&K/Terranext was not retained to verify publicly available information. BE&K/Terranext assumes no responsibility or liability for errors in the public data utilized, statements from sources outside of BE&K/Terranext, or developments resulting from situations outside the scope of this project.

This EBS may be used by the Missouri Army National Guard and/or their assignees in the possible future preparation of an "innocent landowner" or "third party" statutory defense from liability for site cleanup in the event of preexisting contamination at the site. This EBS is prepared to be responsive to the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA). No warranties, expressed or implied, are made except as stated within the body of this EBS report and in accordance with the scope of work presented therein.

XII. REFERENCES

a. Persons Interviewed

Interviews were conducted with the following individuals:

- Mr. Ross Reed, Missouri Army National Guard – Environmental Specialist;
- Mr. Marvin Eaves, Whiteman Air Force Base Environmental Coordinator;
- Mr. Jim Thaxtor, Missouri Department of Natural Resources Project Manager.

b. Environmental Documentation

Copies of portions of historical reports are included in Appendix D.

c. Previous Environmental Investigations

The timeline for historic regulatory actions and subsequent reports impacting Whiteman AFB are as follows:

- 1984 – Phase I Records Search Report – identified 29 areas of potential contamination.
- 1987 and 1988 – Phase II Stage I – investigation of 13 areas identified in the 1984 Phase I.
- 1989 – Phase II Stage 2 – investigation of 12 areas identified in the 1984 Phase I.
- 1991 – RCRA Facilities Agreement – integrating Environmental Restoration Program (ERP) activities with RCRA Corrective Action measures.
- 1993 – No Further Remedial Action – recommended 12 sites to MDNR for closure.
- 1993 – RI/FS – investigation of 12 sites: including FT-02 and FT-16.
- 1997 – Remedial Investigation – investigation of 5 sites for remedial/removal action.
- 1997 – Site Investigation – initiated at 18 areas of concern.
- 2000 – RI/FS – Site FT-02.

d. On-going Environmental Investigations

According to the *Management Action Plan, Whiteman Air Force Base, December 1999*, 40 sites at Whiteman AFB were identified in a Phase I Records search for potential environmental contamination. Of these, 27 did not warrant further investigation and the remaining 13 plus one additional site were recommended for environmental investigation. Following additional records searches, 15 more sites were added to the Environmental Remediation Program (ERP), for a total of 29 sites. An additional 14 areas of concern were added to the 29 ERP sites for a total of 43 sites undergoing some type of environmental remediation.

XIII. CERTIFICATIONS

BE&K/Terranext has conducted this EBS on behalf of the Missouri Army National Guard. BE&K/Terranext has reviewed all appropriate records made available and conducted a visual site inspection of the site. The information contained within this report is based on records made available and, to the best of BE&K/Terranext's knowledge, is correct and current as of January 2002.

A complete search of agency files has revealed that hazardous substances as that term is defined by CERCLA (42 USC 9601) as amended, were stored for one year or more and released within the site at Whiteman Air Force Base, Missouri.

XIV. APPENDICES

A. **Photo Documentation**
B. **Data Search Agency Information**
C. **Environmental Baseline Study Questionnaire**
D. **Past Reports**
E. **EBS Information Search Checklist**
F. **Terms**
G. **Maps**
H. **Ownership/Historical Documentation**
I. **Regulatory Documentation**
J. **Interview Records**
K. **FOIA Requests and Responses**

XV. LIST OF FIGURES

XVI. LIST OF TABLES

Appendix A - Photo Documentation

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 1
Photographer: K. Taylor
Date: 07/26/01
Direction: North
Description: Southwest corner of property at the South Gate (Arnold Avenue).

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 2
Photographer: K. Taylor
Date: 07/26/01
Direction: East
Description: South property boundary at southwest corner of property (near the South Gate).

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 3
Photographer: K. Taylor
Date: 07/26/01
Direction: South
Description: Northwest corner of property at the intersection of Arnold Avenue and the abandoned runway/taxiway. The South Gate and the MOARNG Armory are in the background.

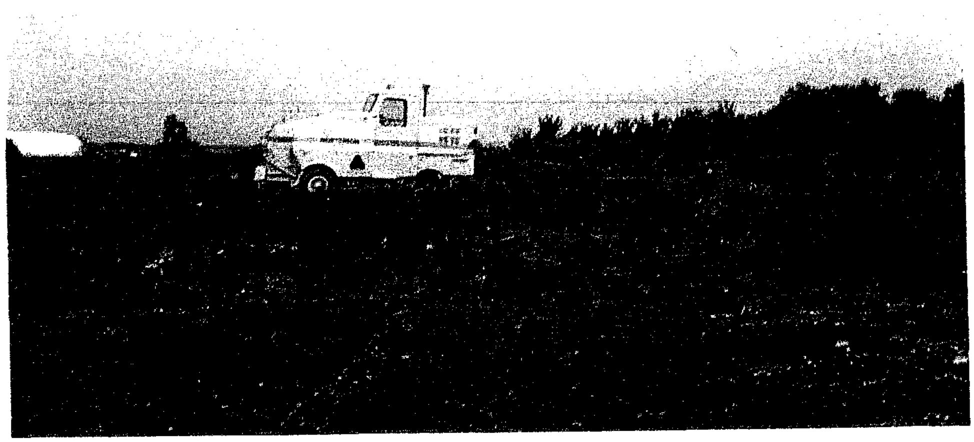
Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 4
Photographer: K. Taylor
Date: 07/26/01
Direction: East
Description: Northwest corner of property at the intersection of Arnold Avenue and the abandoned runway/taxiway. Note the former fire training area (FT-02) above-grade monitoring wells on the property adjacent to the north.

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 5
Photographer: K. Taylor
Date: 07/26/01
Direction: Southeast
Description: North end of property at the north-south access road with various contractor trailers located on the property to the south of the Perimeter Road.

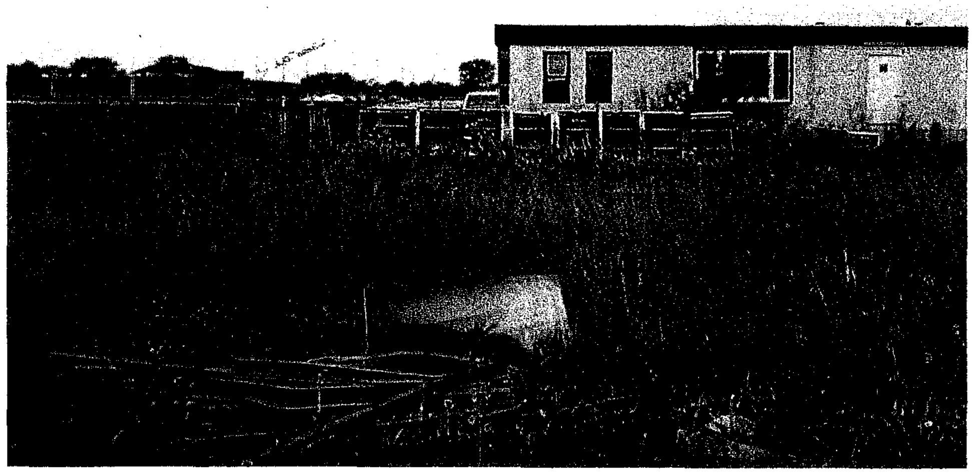
Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 6
Photographer: K. Taylor
Date: 07/26/01
Direction: North
Description: At the Perimeter Road, the north half of the property with the active tarmac and AFB in the background.

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 7
Photographer: K. Taylor
Date: 07/26/01
Direction: Southwest
Description: South-central portion of the property, south of the Perimeter Road. Note the monitoring well located in the tall grass in the center of the photo.

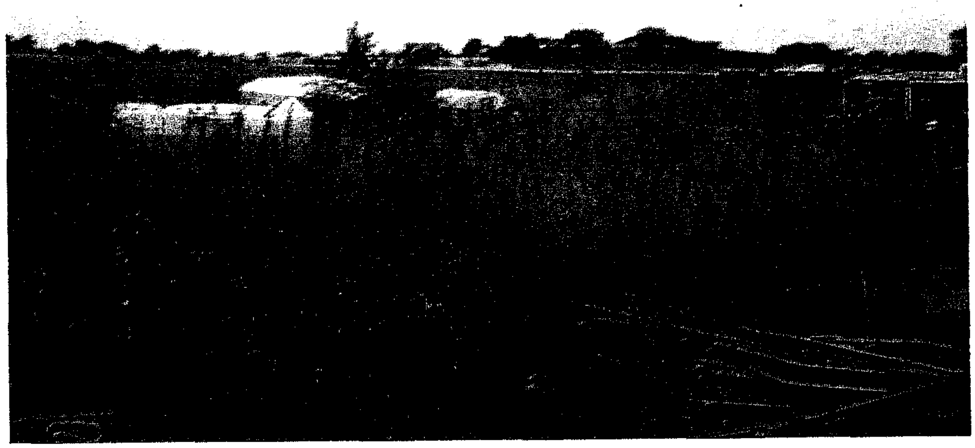
Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 8
Photographer: K. Taylor
Date: 07/26/01
Direction: East
Description: South-central portion of the property, south of the Perimeter Road.



Project No.: 17102205
Project: Whiteman ASF – Proposed AASF
Photograph No.: 9
Photographer: K. Taylor
Date: 07/26/01
Direction: West
Description: South-central portion of property at the contractors' trailers. Note the rusted scrap metal and the 55-gallon drums of purge water from monitoring wells.



Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 10
Photographer: K. Taylor
Date: 07/26/01
Direction: West
Description: South-central portion of property at the contractors' trailers. Multiple empty poly-talks, 55-gallon drums, and piles of scrap metal.

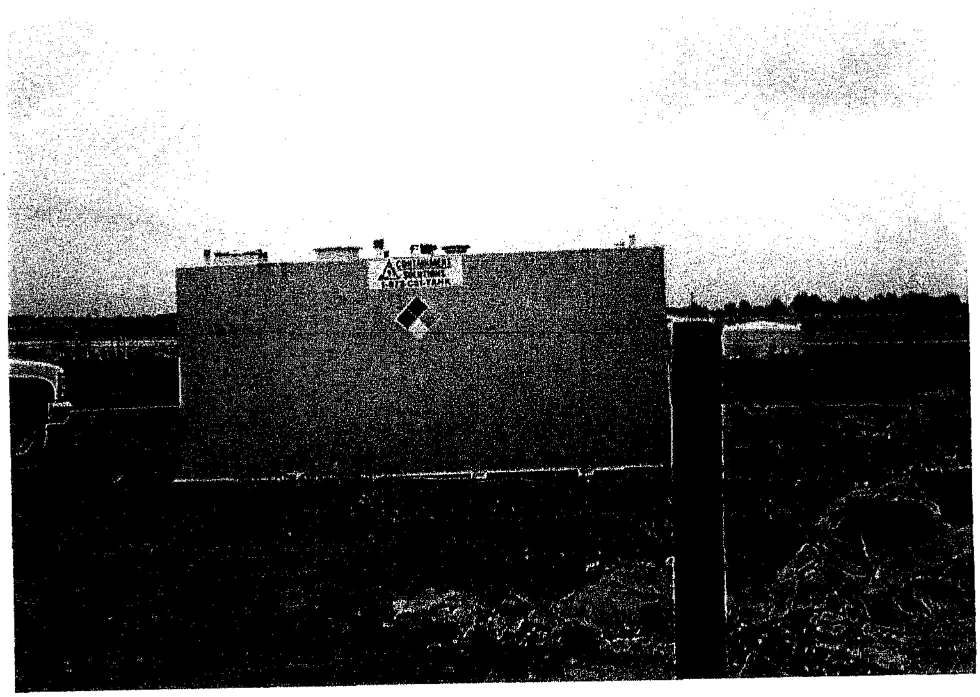


Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 11
Photographer: K. Taylor
Date: 07/26/01
Direction: South
Description: South-central portion of property at the contractors' trailers. Note the diesel AST. No stains or leaks were observed and the AST had secondary concrete containment at the base.

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 12
Photographer: K. Taylor
Date: 07/26/01
Direction: East
Description: South-central portion of property at the contractors' trailers. Note the diesel AST. No stains or leaks were observed and the AST had secondary concrete containment at the base.

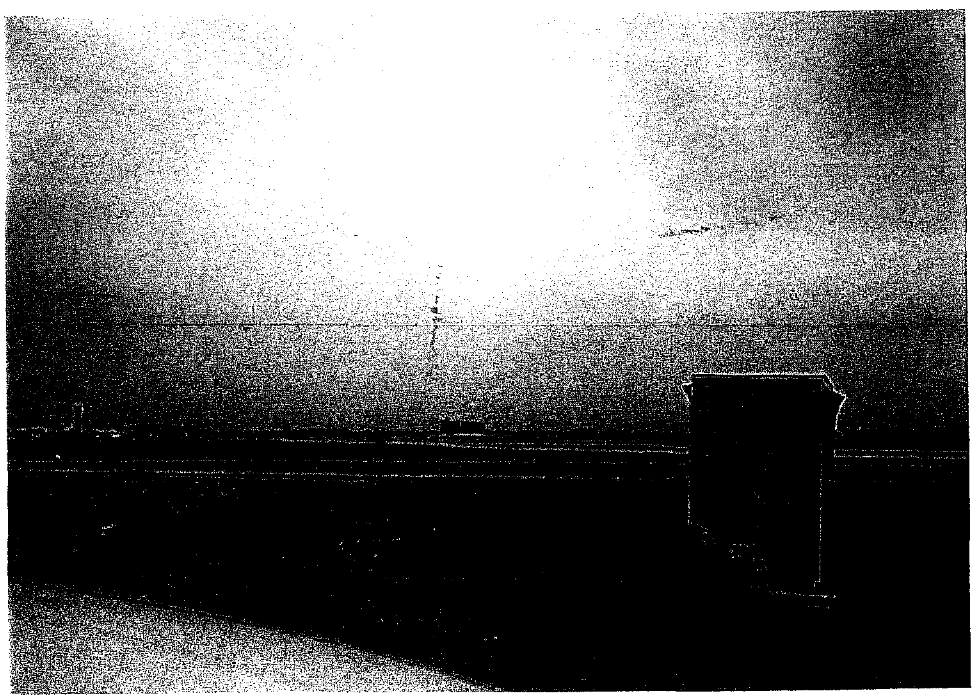
Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 13
Photographer: K. Taylor
Date: 07/26/01
Direction: North
Description: South-central portion of property at the contractors' trailers. Piles of various materials – ceramic toilets and bath tubs, cabinets, scrap aluminum guttering, wooden pallets, etc.

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 14
Photographer: K. Taylor
Date: 07/26/01
Direction: East
Description: South-central portion of property at the contractors' trailers. 5,000-gallon double-walled AST of unknown contents, with empty poly-tanks and piles of concrete rubble.



Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 15
Photographer: K. Taylor
Date: 07/26/01
Direction: West
Description: South-central portion of property at the contractors' trailers. 5,000-gallon double-walled AST of unknown contents, with piles of concrete rubble and scrap metal. The poly-tank has a petroleum-based sludge in the bottom of it.

Project No.: 17102205
Project: Whiteman AFB – Proposed AASF
Photograph No.: 16
Photographer: K. Taylor
Date: 07/26/01
Direction: Northeast
Description: South-central portion of property at the contractors' trailers. West boundary of the property with the active tarmac and runway/taxiway in background.



Appendix B – Data Search Agency Information

The EDR Radius Map
with GeoCheck®

Whiteman Air Force Base - AASF
907 Arnold Avenue
Whiteman Afb, MO 65305

Inquiry Number: 654652.1s

July 10, 2001

EDR® Environmental Data Resources, Inc.

***The* Source For Environmental Risk Management Data**

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-DIB

TABLE OF CONTENTS

SECTION | **PAGE**

GEOCHECK ADDENDUM

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

907 ARNOLD AVENUE
WHITEMAN AFB, MO 65305

COORDINATES

Latitude (North):	38.718600 - 38° 43' 7.0"
Longitude (West):	93.558100 - 93° 33' 29.2"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	451480.9
UTM Y (Meters):	4285490.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	2438093-F5 BURTVILLE, MO
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL .... National Priority List
Proposed NPL .... Proposed National Priority List Sites
CERC-NFRAP .... CERCLIS No Further Remedial Action Planned
RCRIS-LQG .... Resource Conservation and Recovery Information System
RCRIS-SQG .... Resource Conservation and Recovery Information System
ERNS .... Emergency Response Notification System

STATE ASTM STANDARD

SHWS .... Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites
SWF/LF .... Solid Waste Facility List
LUST .... Leaking Underground Storage Tanks
UST .... Petroleum Storage Tanks

FEDERAL ASTM SUPPLEMENTAL

CONSENT .... Superfund (CERCLA) Consent Decrees

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Aboveground Petroleum Storage Tanks
MO RRC	Certified Hazardous Waste Resource Recovery Facilities

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 03/16/2001 has revealed that there is 1 CERCLIS site within approximately 0.625 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
509 CES CEV	*660 10TH ST STE 211*	*1/4 - 1/2 NW*	*1*	*5*

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 04/20/2000 has revealed that there is 1 CORRACTS site within approximately 1.125 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
509 CES CEV	*660 10TH ST STE 211*	*1/4 - 1/2NW*	*1*	*5*

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-TSD list, as provided by EDR, and dated 06/21/2000 has revealed that there is 1 RCRIS-TSD site within approximately 0.625 miles of the target property.

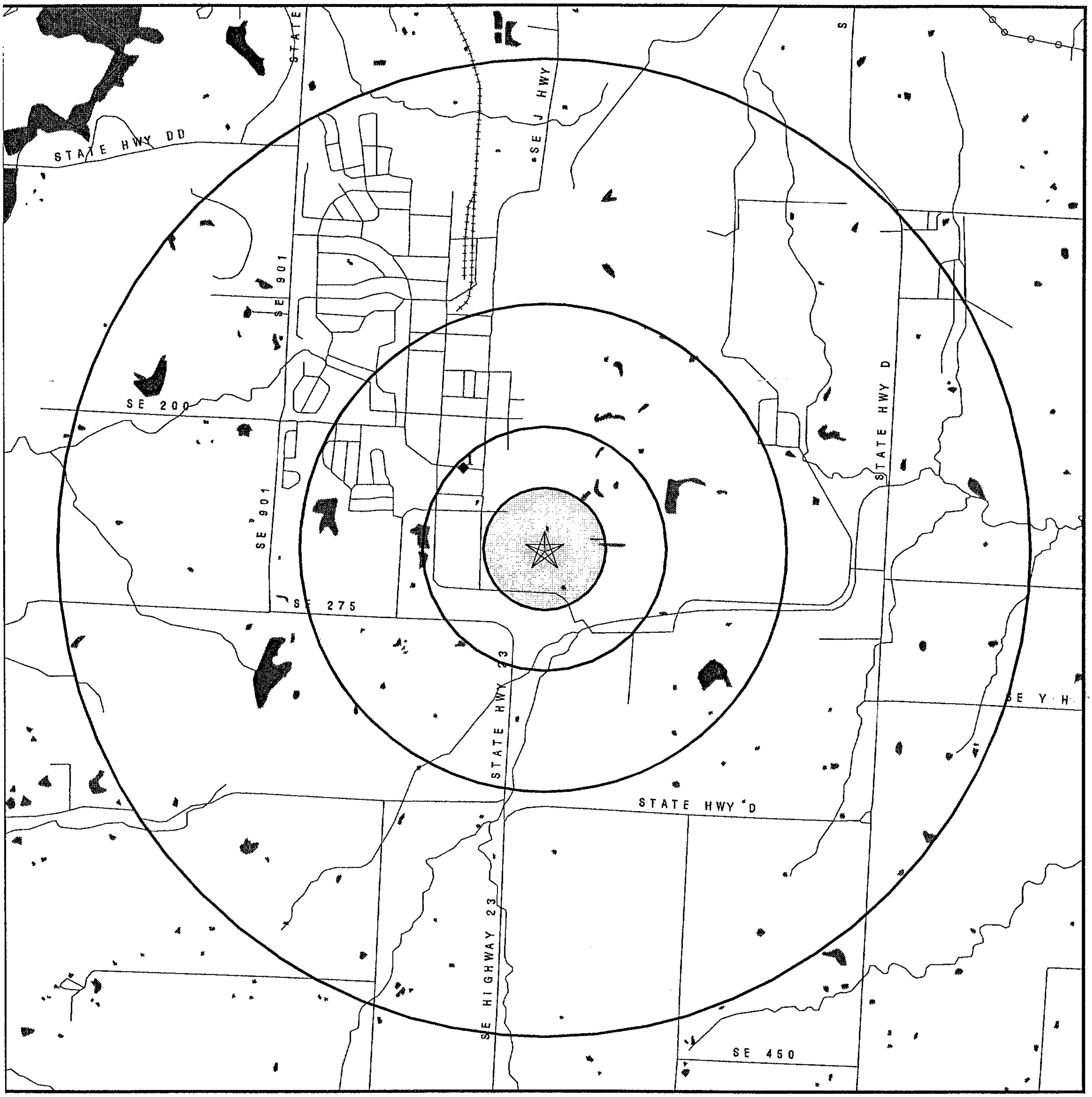
Lower Elevation	Address	Dist / Dir	Map ID	Page
509 CES CEV	*660 10TH ST STE 211*	*1/4 - 1/2NW*	*1*	*5*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
WHITEMAN AIR FORCE BASE	FTTS
WHITEMAN (EX) ILS MM ANX	CERCLIS
KNAUS FARM	CERCLIS
WHITEMAN (EX) COMMS TRANS	CERCLIS
KNOB NOSTER MAINT LOT	UST, LUST
DOVE MAINT	UST
WOOD SERVICE STATION	UST
FACILITY 153	UST
ALLRED AUTO SALES	RCRIS-SQG, FINDS
SPOT LITE CLEANERS INC	RCRIS-SQG, FINDS
FLOW STOPPED PRIOR TO LEAVING BASE/ SET UP DAM TO RECOVER FU	ERNS
WHITEMAN AIRFORCE BASE BUILDING 1125 1STE 211	ERNS
WHITEMAN AFB/MINUTEMAN TWO LAUNCH CONTROL FACILITY	ERNS
US AIR FORCE	FINDS

OVERVIEW MAP - 654652.1s - BE&K Terranext



0 1/2 1 2 Miles

★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

National Priority List Sites

Landfill Sites

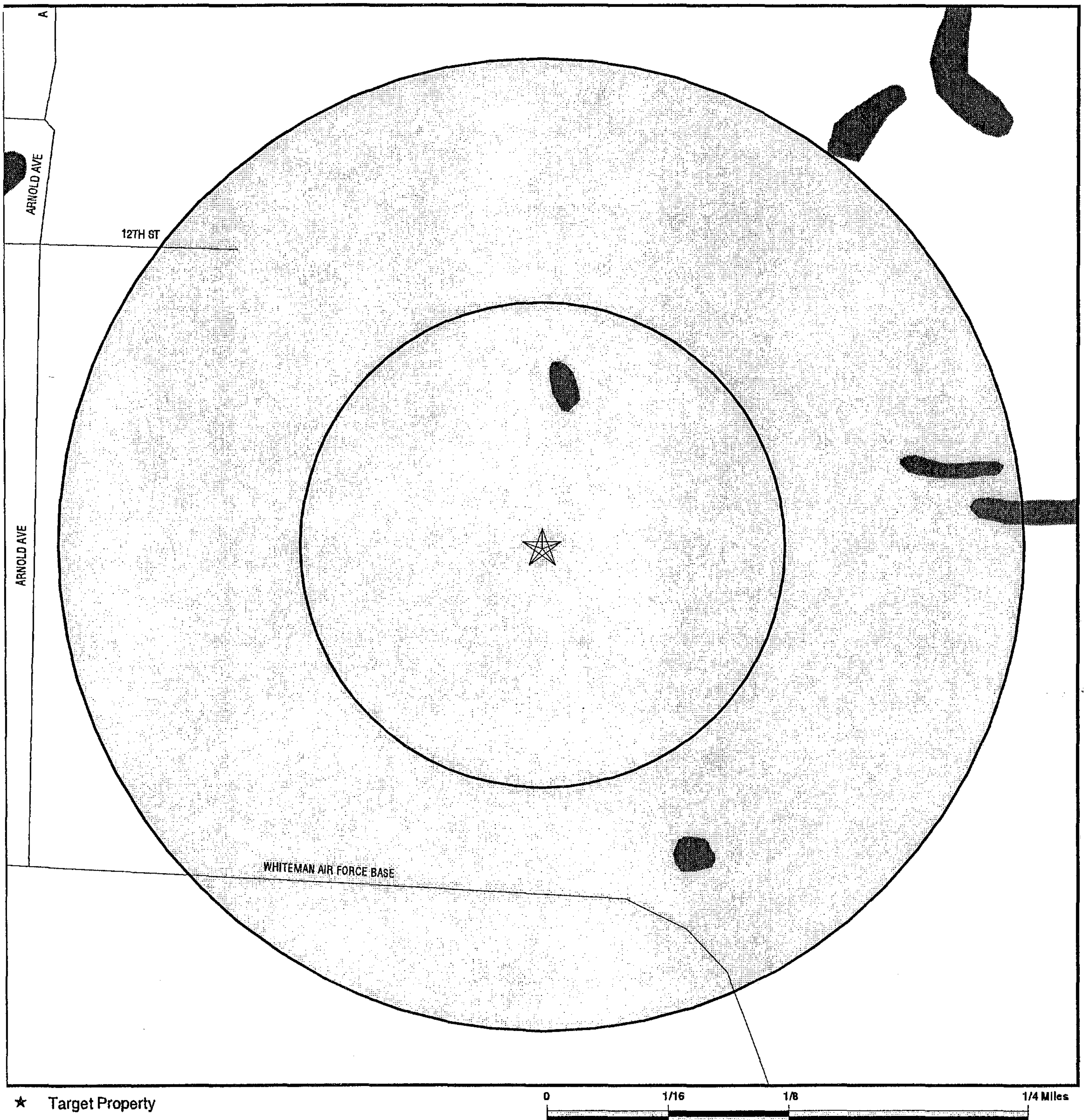
Power transmission lines

Oil & Gas pipelines

Wetlands

TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.1s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001 5:52 pm

DETAIL MAP - 654652.1s - BE&K Terranext



★ Target Property
▲ Sites at elevations higher than or equal to the target property
◆ Sites at elevations lower than the target property
Coal Gasification Sites (if requested)
Sensitive Receptors
National Priority List Sites
Landfill Sites

Power transmission lines
Oil & Gas pipelines
Wetlands

TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.1s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001 5:53 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.125	0	0	0	0	0	0
Proposed NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	0	0	1	0	NR	1
CERC-NFRAP		0.375	0	0	0	NR	NR	0
CORRACTS		1.125	0	0	1	0	0	1
RCRIS-TSD		0.625	0	0	1	0	NR	1
RCRIS Lg. Quan. Gen.		0.375	0	0	0	NR	NR	0
RCRIS Sm. Quan. Gen.		0.375	0	0	0	NR	NR	0
ERNS		0.125	0	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.125	0	0	0	0	0	0
State Landfill		0.625	0	0	0	0	NR	0
LUST		0.625	0	0	0	0	NR	0
UST		0.375	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0
MO RRC		TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY DATABASES

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: EDR does not presently have coal gas site information available in this state.

1 **NW** **1/4-1/2** **2490** **Lower**	**509 CES CEV** **660 10TH ST STE 211** **WHITEMAN AFB KNOB NOSTER, MO 65305**	**CERCLIS** **FINDS** **RCRIS-LQG** **RCRIS-TSD** **CORRACTS**	**1000994127** **MO8571924549**

CERCLIS Classification Data:
Site Incident Category: Not reported — Federal Facility: Not reported
Ownership Status: Not reported — NPL Status: Not reported

CERCLIS Assessment History:

Assessment		Completed	
Assessment:	DISCOVERY	Completed:	19800801
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19840901
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19870202
Assessment:	SITE INSPECTION	Completed:	19870202

CERCLIS Site Status:
High

CERCLIS Alias Name(s):
USAF WHITEMAN AFB (FINDS)
SEDALIA ARMY AIR FIELD

CORRACTS Data:
Prioritization: Medium
Status: RCRA Facility Assessment Completed, Determination of Need for a RCRA Facility Investigation

RCRIS:
Owner: UNITED STATES AIR FORCE
NA

Contact: PATRICK QUINN
(816) 687-3006

Record Date: 08/03/1993

Classification: Large Quantity Generator, TSDF

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	56127.00	D002	7670.00
D003	71.00	D004	1660.00
D005	3457.00	D006	15279.00
D007	10771.00	D008	24660.00
D009	812.00	D011	3348.00
D018	35211.00	D020	1243660.00
D022	4888.00	D026	900.00
D027	5643.00	D028	4592.00
D035	8114.00	D039	8101.00
D040	6421.00	F003	6376.00
F005	8551.00	U080	10.00
U154	900.00		

509 CES CEV (Continued) **1000994127**

Used Oil Recyc: Yes

TSDF Activities: marketing of off-specification used oil

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/13/1986
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/28/1986
Actual Date Achieved Compliance:	03/22/1986
Enforcement Action:	Written Informal
Enforcement Action Date:	03/13/1986
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	02/02/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/17/1987
Actual Date Achieved Compliance:	02/13/1987
Enforcement Action:	Written Informal
Enforcement Action Date:	02/02/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	02/02/1987
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	02/02/1987
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/01/1988
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/11/1988
Actual Date Achieved Compliance:	02/24/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	03/01/1988
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	03/01/1988
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/11/1988
Actual Date Achieved Compliance:	02/24/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	03/01/1988

509 CES CEV (Continued) **1000994127**

Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	03/01/1988
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/11/1988
Actual Date Achieved Compliance:	02/24/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	03/01/1988
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/29/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/29/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/29/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/29/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	10/10/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/27/1985
Actual Date Achieved Compliance:	02/27/1985
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	01/24/1985
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/10/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	03/27/1985
Actual Date Achieved Compliance:	02/27/1985

509 CES CEV (Continued) **1000994127**

Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	01/24/1985
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/10/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	06/01/1985
Actual Date Achieved Compliance:	05/23/1985
Enforcement Action:	Written Informal
Enforcement Action Date:	10/29/1984
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/10/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	10/10/1984
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	02/09/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/31/1989
Actual Date Achieved Compliance:	12/19/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	02/09/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	02/09/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/31/1989
Actual Date Achieved Compliance:	12/19/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	07/06/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	02/09/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/31/1989
Actual Date Achieved Compliance:	12/19/1989

509 CES CEV (Continued) **1000994127**

Enforcement Action:	Written Informal
Enforcement Action Date:	02/09/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	02/09/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/31/1989
Actual Date Achieved Compliance:	12/19/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	02/09/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/07/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/13/1990
Actual Date Achieved Compliance:	05/15/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	03/07/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/07/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/13/1990
Actual Date Achieved Compliance:	05/15/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	03/07/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/07/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/13/1990
Actual Date Achieved Compliance:	05/15/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	03/07/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	03/07/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/13/1990
Actual Date Achieved Compliance:	05/15/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	03/07/1990

509 CES CEV (Continued) **1000994127**

Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	03/07/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/13/1990
Actual Date Achieved Compliance:	05/15/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	03/07/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Closure/Post Closure Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

509 CES CEV (Continued) **1000994127**

Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	01/25/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	02/14/1991
Actual Date Achieved Compliance:	02/14/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	01/25/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	11/13/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/29/1991
Actual Date Achieved Compliance:	11/29/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	11/14/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	11/13/1991
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/29/1991
Actual Date Achieved Compliance:	11/29/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	11/14/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	02/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/02/1993
Actual Date Achieved Compliance:	03/29/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	03/02/1993
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements

509 CES CEV (Continued) **1000994127**

Date Violation Determined:	02/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/02/1993
Actual Date Achieved Compliance:	03/29/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	03/02/1993
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	02/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/02/1993
Actual Date Achieved Compliance:	03/29/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	03/02/1993
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	02/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/02/1993
Actual Date Achieved Compliance:	03/29/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	03/02/1993
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	02/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/02/1993
Actual Date Achieved Compliance:	03/29/1993
Enforcement Action:	Written Informal
Enforcement Action Date:	03/02/1993
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/02/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	05/22/1994
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Written Informal
Enforcement Action Date:	04/22/1994
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/02/1994
Priority of Violation:	Low

509 CES CEV (Continued) **1000994127**

Schedule Date to Achieve Compliance: 05/22/1994
Actual Date Achieved Compliance: Not reported

Enforcement Action: Written Informal
Enforcement Action Date: 04/22/1994
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/02/1994
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/22/1994
Actual Date Achieved Compliance: Not reported

Enforcement Action: Written Informal
Enforcement Action Date: 04/22/1994
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/02/1994
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/22/1994
Actual Date Achieved Compliance: Not reported

Enforcement Action: Written Informal
Enforcement Action Date: 04/22/1994
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/02/1994
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/22/1994
Actual Date Achieved Compliance: Not reported

Enforcement Action: Written Informal
Enforcement Action Date: 04/22/1994
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 05/05/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: 07/03/1995
Actual Date Achieved Compliance: 06/29/1995

Enforcement Action: Written Informal
Enforcement Action Date: 06/16/1995
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 02/20/1997
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/16/1997
Actual Date Achieved Compliance: Not reported

509 CES CEV (Continued) **1000994127**

Enforcement Action:	Written Informal
Enforcement Action Date:	03/17/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	04/02/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	05/13/1997
Actual Date Achieved Compliance:	05/24/1997
Enforcement Action:	Written Informal
Enforcement Action Date:	04/28/1997
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

509 CES CEV (Continued) **1000994127**

There are 45 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	
Sampling Inspection	Generator-All Requirements	05/24/1997
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	06/29/1995
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	
	Generator-All Requirements	
	Generator-All Requirements	
	Generator-All Requirements	
	Generator-All Requirements	
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	03/29/1993
	Generator-All Requirements	03/29/1993
	Generator-All Requirements	03/29/1993
	Generator-All Requirements	03/29/1993
	Generator-All Requirements	03/29/1993
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	11/29/1991
	TSD-Other Requirements	11/29/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	02/14/1991
	TSD-Closure/Post Closure Requirements	02/14/1991
	TSD-Other Requirements	02/14/1991
	TSD-Other Requirements	02/14/1991
	Generator-Land Ban Requirements	02/14/1991
	TSD-Land Ban Requirements	02/14/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/15/1990
	TSD-Other Requirements	05/15/1990
	TSD-Other Requirements	05/15/1990
	Generator-Land Ban Requirements	05/15/1990
	TSD-Land Ban Requirements	05/15/1990
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	12/19/1989
	TSD-Other Requirements	12/19/1989
	Generator-Land Ban Requirements	12/19/1989
	TSD-Land Ban Requirements	12/19/1989
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	02/24/1989
	Generator-Land Ban Requirements	02/24/1989
	TSD-Land Ban Requirements	02/24/1989
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	02/13/1987
	TSD-Other Requirements	
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	03/22/1986
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	
	TSD-Other Requirements	
	TSD-Other Requirements	
	TSD-Other Requirements	
Compliance Evaluation Inspection (CEI)	TSD-Closure/Post Closure Requirements	02/27/1985
	TSD-Other Requirements	02/27/1985
	TSD-Other Requirements	05/23/1985
	TSD-Other Requirements	
	TSD-Other Requirements	

509 CES CEV (Continued) **1000994127**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
Federal Facility Information System (FFIS)
National Compliance Database (NCDB)
Permit Compliance System (PCS)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
DOVE	U001158980	DOVE MAINT	RT 5	65336	UST	ST0012226
JOHNSON COUNTY	1003073165	WHITEMAN (EX) ILS MM ANX	SE1/4, NW1/4 OF SEC 10, T45N, R24W	65305	CERCLIS	
KNOB NOSTER	1000482741	KNAUS FARM	RT 23	65336	CERCLIS	
KNOB NOSTER	U000751262	KNOB NOSTER MAINT LOT	RT 50	65336	UST, LUST	ST0012035
KNOB NOSTER	1000631417	ALLRED AUTO SALES	OLD HWY 50 3\4 MILE E OF 4 WAY	65336	RCRIS-SQG, FINDS	
KNOB NOSTER	1000630520	SPOT LITE CLEANERS INC	1305D S STATE ST	65336	RCRIS-SQG, FINDS	
KNOBNOSTER	1003073154	WHITEMAN (EX) COMMS TRANS	SW 1/4 SEC 11 T45N, R24W	65336	CERCLIS	
LEBANON	U001162703	WOOD SERVICE STATION	EAST CITY ROUTE 66	65336	UST	ST0006110
WHITEMAN A.F.	984337240	FLOW STOPPED PRIOR TO LEAVING BASE/ SET UP DAM TO RECOVER FU	FLOW STOPPED PRIOR TO LEAVING BASE/ SE UP DAM TO RECOVER FU	65305	ERNS	
WHITEMAN A.F.	984337241	WHITEMAN AIRFORCE BASE BUILDING 1125 1STE 211	WHITEMAN AIRFORCE BASE BUILDING 1125 1STE 211	65305	ERNS	
WHITEMAN AFB	1002679017	US AIR FORCE	509 CES/CEV	65305	FINDS	
WHITEMAN AFB	1003071419	WHITEMAN AIR FORCE BASE	800 CSG/DEEV	65305	FTTS	
WHITEMAN AFB	U001829643	FACILITY 153	5TH ST NEAR ARNOLD AVE	65305	UST	ST0008375
WHITEMAN AFB	96508314	WHITEMAN AFB/MINUTEMAN TWO LAUNCH CONTRC FACILITY	WHITEMAN AFB/MINUTEMAN TWO LAUNCH CONTROL FACILITY	65305	ERNS	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE
D020	CHLORDANE
D022	CHLOROFORM
D026	CRESOL
D027	1,4-DICHLOROBENZENE
D028	1,2-DICHLOROETHANE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE

EPA Waste Codes Addendum

Code	Description
D040	TRICHLOROETHYLENE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U080	METHANE, DICHLORO-
U080	METHYLENE CHLORIDE
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 01/23/01
Date Made Active at EDR: 02/16/01
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/05/01
Elapsed ASTM days: 11
Date of Last EDR Contact: 05/07/01

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 01/23/01
Date Made Active at EDR: 02/16/01
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/05/01
Elapsed ASTM days: 11
Date of Last EDR Contact: 05/07/01

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/16/01
Date Made Active at EDR: 04/30/01
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/26/01
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/26/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 03/16/01
Date Made Active at EDR: 04/30/01
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 03/26/01
Elapsed ASTM days: 35
Date of Last EDR Contact: 03/26/01

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/20/00
Date Made Active at EDR: 08/01/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/12/00
Elapsed ASTM days: 50
Date of Last EDR Contact: 06/12/01

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 05/29/01

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 04/19/01

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/97
Database Release Frequency: Biennially

Date of Last EDR Contact: 03/19/01
Date of Next Scheduled EDR Contact: 06/18/01

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/30/99
Database Release Frequency: Annually

Date of Last EDR Contact: 04/10/01
Date of Next Scheduled EDR Contact: 07/09/01

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/23/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/07/01
Date of Next Scheduled EDR Contact: 08/06/01

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/07/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/09/01
Date of Next Scheduled EDR Contact: 07/09/01

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 11/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 04/24/01
Date of Next Scheduled EDR Contact: 07/23/01

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/09/01
Date of Next Scheduled EDR Contact: 07/09/01

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/02/01
Date of Next Scheduled EDR Contact: 07/02/01

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/01
Date of Next Scheduled EDR Contact: 08/20/01

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/11/00
Database Release Frequency: Annually

Date of Last EDR Contact: 05/18/01
Date of Next Scheduled EDR Contact: 08/13/01

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95 | Date of Last EDR Contact: 06/11/01
Database Release Frequency: No Update Planned | Date of Next Scheduled EDR Contact: 09/10/01

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/98 | Date of Last EDR Contact: 03/26/01
Database Release Frequency: Annually | Date of Next Scheduled EDR Contact: 06/25/01

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98 | Date of Last EDR Contact: 04/24/01
Database Release Frequency: Every 4 Years | Date of Next Scheduled EDR Contact: 07/23/01

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/00 | Date of Last EDR Contact: 03/26/01
Database Release Frequency: Quarterly | Date of Next Scheduled EDR Contact: 06/25/01

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 08/10/00 | Date of Last EDR Contact: 03/26/01
Database Release Frequency: Quarterly | Date of Next Scheduled EDR Contact: 06/25/01

STATE OF MISSOURI ASTM STANDARD RECORDS

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites
Source: Department of Natural Resources
Telephone: 573-751-1990
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/31/01
Date Made Active at EDR: 05/08/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/09/01
Elapsed ASTM days: 29
Date of Last EDR Contact: 04/09/01

SWF/LF: Solid Waste Facility List
Source: Department of Natural Resources
Telephone: 573-751-5401
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/02/01
Date Made Active at EDR: 05/17/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/24/01
Elapsed ASTM days: 23
Date of Last EDR Contact: 04/23/01

LUST: Leaking Underground Storage Tanks
Source: Department of Natural Resources
Telephone: 573-751-0135
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/20/01
Date Made Active at EDR: 05/29/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/02/01
Elapsed ASTM days: 27
Date of Last EDR Contact: 05/02/01

UST: Petroleum Storage Tanks
Source: Department of Natural Resources
Telephone: 573-751-0135
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/20/01
Date Made Active at EDR: 05/17/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/02/01
Elapsed ASTM days: 15
Date of Last EDR Contact: 05/02/01

STATE OF MISSOURI ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tanks
Source: Department of Natural Resources
Telephone: 573-751-3176
Registered Aboveground Storage Tanks.

Date of Government Version: 04/20/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/02/01
Date of Next Scheduled EDR Contact: 07/16/01

RRC: Certified Hazardous Waste Resource Recovery Facilities
Source: Department of Natural Resources
Telephone: 573-751-3176

Date of Government Version: 03/23/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/20/01
Date of Next Scheduled EDR Contact: 06/18/01

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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HISTORICAL AND OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WHITEMAN AIR FORCE BASE - AASF
907 ARNOLD AVENUE
WHITEMAN AFB, MO 65305

TARGET PROPERTY COORDINATES

Latitude (North):	38.718601 - 38˚ 43' 7.0"
Longitude (West):	93.558098 - 93˚ 33' 29.2"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	451480.9
UTM Y (Meters):	4285490.5

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2438093-F5 BURTVILLE, MO
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General NNE

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Q3 Flood Data Electronic Coverage
JOHNSON, MO	NO

Flood Plain Panel at Target Property: Not Reported
Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Coverage
BURTVILLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 2.000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

GEOLOGIC AGE IDENTIFICATION

Geologic Code:	PP2
Era:	Paleozoic
System:	Pennsylvanian
Series:	Des Moinesian Series

ROCK STRATIGRAPHIC UNIT

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HARTWELL
Soil Surface Texture:	silt loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	CL-ML	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10
2	10 inches	15 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.10
3	15 inches	28 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 7.30 Min: 5.10
4	28 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 7.30 Min: 5.10
5	42 inches	60 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam
loam

Surficial Soil Types: silty clay loam
loam

Shallow Soil Types: clay
silty clay

	loam
Deeper Soil Types:	silty clay silty clay loam weathered bedrock clay unweathered bedrock

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	384306093341501	1/2 - 1 Mile West
7	384349093340701	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	MO1079501	1/4 - 1/2 Mile SW

Note: PWS System location is not always the same as well location.

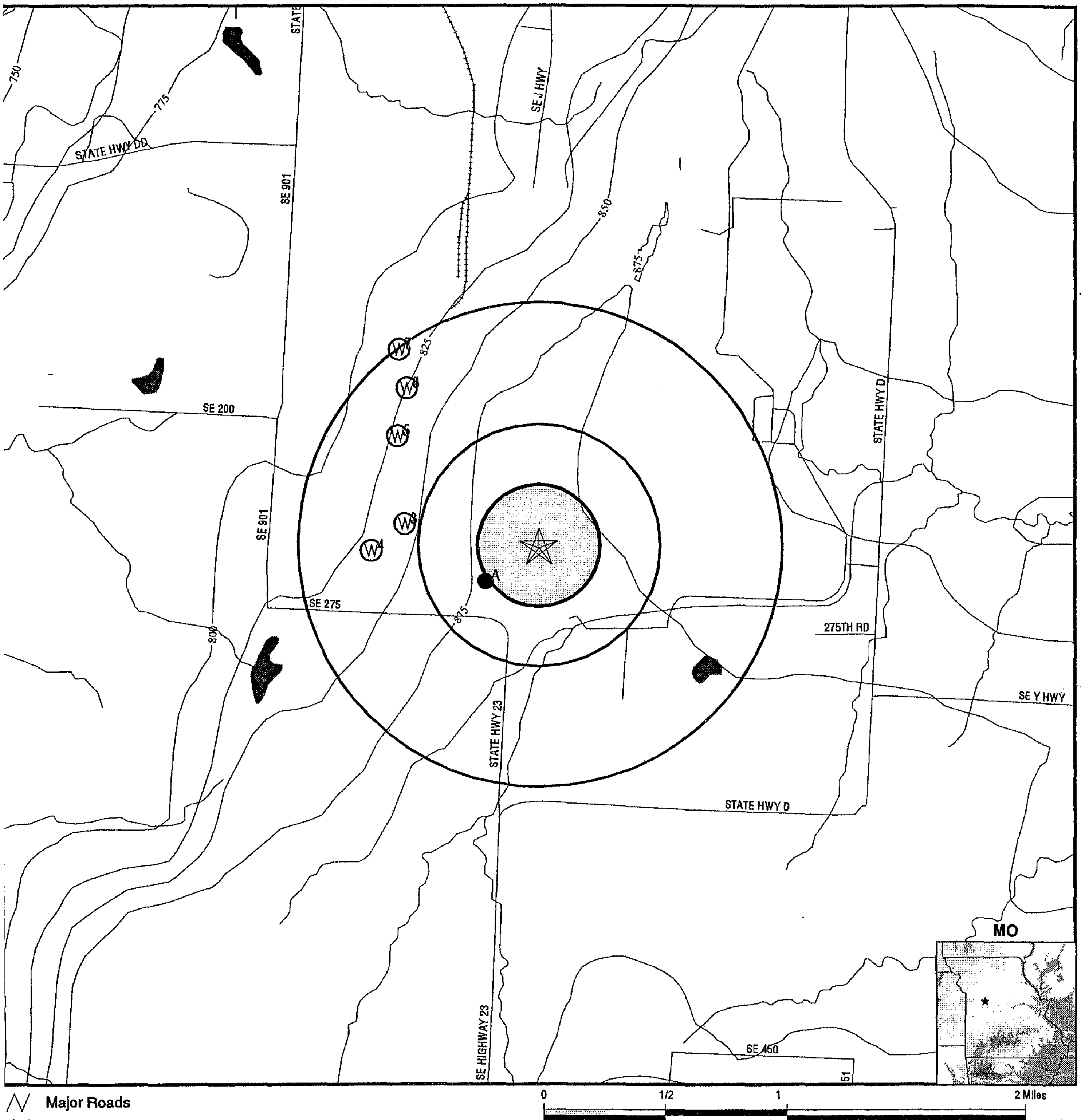
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	436	1/4 - 1/2 Mile WSW
3	435	1/2 - 1 Mile West

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
5	434	1/2 - 1 Mile NW
6	3455	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 654652.1s



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

Earthquake epicenter, Richter 5 or greater

TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.1s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001 5:53 pm

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **WSW** **1/4 - 1/2 Mile** **Higher**	**MO WELLS**	**436**

PWS Well Number: 436
Public Water Supply Wells ID: 40272

PWS Name:	Whiteman AFB	PWS ID:	MO 1079501 109
Wells ID:	40272	Well Number:	9
Area:	0.000000	Perimeter:	0.000000
Local Name:	Well #9	Establishment Num:	9501
Facility Num:	7	Facility Type:	Miscellaneous
Lat/Long:	38.716510 -93.561970	X,Y Coord:	451142.700000 / 4.285261e+006
Degrees Lat/Long:	38 42 59.4 N / 93 33 43.1 W	Map Name:	Burtville
Federal IPS:	29101	County:	Johnson
Region:	Kansas City	Region Num:	1
Drill Date:	1988	Total Depth (Feet):	1100.000
Casing Depth (Feet):	494.000000	Casing Diameter (Inches):	0.000000
Casing Type:	Not Reported	Drawdown (Feet):	0.0
Screen Size:	0.0	Screen Length:	0.0
Yield Gal/Min:	530	Static Level:	150.0
Material:	Not Reported	Head (Feet):	0.0
Top Seal Condition:	Not Reported	Bottom Seal Condition:	Not Reported
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Capcity (Gal/Min):	413	Pump Depth (Feet):	0
Pump Test Date:	0	Well Is Metered:	Not Reported
Standby Power:	Not Reported	Surface Drain Condition:	Not Reported
Chlorinated:	Yes	Filtered:	Yes
Volitile Organic Chemicals:	No	Nitrates:	No
Surface Water Infuenced:	Not Reported	State Approved Well:	Not Reported
Distribution System:	No	Num Wells Abandoned:	0
Num Wells Plugged:	0	Date of Data Entry:	03/09/93

Geological Formation Yielding Water: Not Reported

	Database	EDR ID Number
A2 **SW** **1/4 - 1/2 Mile** **Higher**	**FRDS PWS**	**MO1079501**

PWS ID:	MO1079501	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported

PWS Name: WHITEMAN AIR BASE
800 STRAT/SGPB
WHITEMAN AFB, MO 65305

Treatment Objective: DISINFECTION
Treatment Process: GASEOUS CHLORINATION, POST
Source: Ground water

Addressee / Facility: Not Reported

Facility Latitude:	38 42 59.0000	Facility Longitude:	93 33 43.0000
Facility Latitude:	38 43 11.0000	Facility Longitude:	93 34 5.0000

Facility Latitude:	38 43 28.0000	Facility Longitude:	93 34 11.0000
Facility Latitude:	38 43 30.0000	Facility Longitude:	93 34 7.0000
Facility Latitude:	38 43 50.0000	Facility Longitude:	93 34 26.0000
Facility Latitude:	38 44 7.0000	Facility Longitude:	93 34 28.0000
Facility Latitude:	38 44 13.0000	Facility Longitude:	93 34 7.0000
City Served:	WHITEMAN AFB		
Treatment Class:	Mixed (treated and untreated)	Population:	4000

PWS currently has or had major violation(s) or enforcement: No

3
West
1/2 - 1 Mile
Lower

MO WELLS 435

PWS Well Number: 435
Public Water Supply Wells ID: 40271

PWS Name:	Whiteman AFB	PWS ID:	MO 1079501 108
Wells ID:	40271	Well Number:	8
Area:	0.000000	Perimeter:	0.000000
Local Name:	Well #8	Establishment Num:	9501
Facility Num:	7	Facility Type:	Miscellaneous
Lat/Long:	38.719910 -93.568200	X,Y Coord:	450603.800000 / 4.285642e+006
Degrees Lat/Long:	38 43 11.7 N / 93 34 5.5 W	Map Name:	Burtville
Federal IPS:	29101	County:	Johnson
Region:	Kansas City	Region Num:	1
Drill Date:	1988	Total Depth (Feet):	1100.000
Casing Depth (Feet):	502.000000	Casing Diameter (Inches):	0.000000
Casing Type:	Not Reported	Drawdown (Feet):	0.0
Screen Size:	0.0	Screen Length:	0.0
Yield Gal/Min:	340	Static Level:	290.0
Material:	Not Reported	Head (Feet):	0.0
Top Seal Condition:	Not Reported	Bottom Seal Condition:	Not Reported
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Capcity (Gal/Min):	253	Pump Depth (Feet):	0
Pump Test Date:	0	Well Is Metered:	Not Reported
Standby Power:	Not Reported	Surface Drain Condition:	Not Reported
Chlorinated:	Yes	Filtered:	Yes
Volitile Organic Chemicals:	No	Nitrates:	No
Surface Water Infuenced:	Not Reported	State Approved Well:	Not Reported
Distribution System:	No	Num Wells Abandoned:	0
Num Wells Plugged:	0	Date of Data Entry:	03/09/93

Geological Formation Yielding Water: Not Reported

4
West
1/2 - 1 Mile
Lower

FED USGS 384306093341501

BASIC WELL DATA

Site Type: Single well, other than collector or Ranney type

Year Constructed:	1961	County:	Johnson
Altitude:	828.00 ft.	State:	Missouri
Well Depth:	1052.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Institution

Map ID Direction Distance Elevation	Database	EDR ID Number
5 **NW** **1/2 - 1 Mile** **Lower**	**MO WELLS**	**434**

PWS Well Number: 434
Public Water Supply Wells ID: 40270

PWS Name:	Whiteman AFB	PWS ID:	MO 1079501 106
Wells ID:	40270	Well Number:	6
Area:	0.000000	Perimeter:	0.000000
Local Name:	Well #6	Establishment Num:	9501
Facility Num:	7	Facility Type:	Miscellaneous
Lat/Long:	38.725160 -93.568730	X,Y Coord:	450561.000000 / 4.286224e+006
Degrees Lat/Long:	38 43 30.6 N / 93 34 7.4 W	Map Name:	Burtville
Federal IPS:	29101	County:	Johnson
Region:	Kansas City	Region Num:	1
Drill Date:	1961	Total Depth (Feet):	1052.000
Casing Depth (Feet):	498.000000	Casing Diameter (Inches):	0.000000
Casing Type:	Not Reported	Drawdown (Feet):	0.0
Screen Size:	0.0	Screen Length:	0.0
Yield Gal/Min:	200	Static Level:	385.0
Material:	Not Reported	Head (Feet):	0.0
Top Seal Condition:	Not Reported	Bottom Seal Condition:	Not Reported
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Capcity (Gal/Min):	215	Pump Depth (Feet):	0
Pump Test Date:	0	Well Is Metered:	Not Reported
Standby Power:	Not Reported	Surface Drain Condition:	Not Reported
Chlorinated:	Yes	Filtered:	Yes
Volitile Organic Chemicals:	No	Nitrates:	No
Surface Water Infuenced:	Not Reported	State Approved Well:	Not Reported
Distribution System:	No	Num Wells Abandoned:	0
Num Wells Plugged:	0	Date of Data Entry:	03/09/93

Geological Formation Yielding Water: Not Reported

---

6 **NW** **1/2 - 1 Mile** **Lower**	**MO WELLS**	**3455**

PWS Well Number: 3455
Public Water Supply Wells ID: 20413

PWS Name:	Whiteman AFB	PWS ID:	MO 1079501 103
Wells ID:	20413	Well Number:	3
Area:	0.000000	Perimeter:	0.000000
Local Name:	Well #3	Establishment Num:	9501
Facility Num:	7	Facility Type:	Miscellaneous
Lat/Long:	38.728000 -93.568000	X,Y Coord:	450559.200000 / 4.286592e+006
Degrees Lat/Long:	38 43 42.4 N / 93 34 7.6 W	Map Name:	Burtville
Federal IPS:	29101	County:	Johnson
Region:	Kansas City	Region Num:	1
Drill Date:	1942	Total Depth (Feet):	1037.000
Casing Depth (Feet):	490.000000	Casing Diameter (Inches):	0.000000
Casing Type:	Not Reported	Drawdown (Feet):	0.0
Screen Size:	0.0	Screen Length:	0.0
Yield Gal/Min:	310	Static Level:	300.0

Material:	Not Reported	Head (Feet):	0.0
Top Seal Condition:	Not Reported	Bottom Seal Condition:	Not Reported
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Capcity (Gal/Min):	249	Pump Depth (Feet):	0
Pump Test Date:	0	Well Is Metered:	Not Reported
Standby Power:	Not Reported	Surface Drain Condition:	Not Reported
Chlorinated:	Yes	Filtered:	Yes
Volitile Organic Chemicals:	No	Nitrates:	No
Surface Water Infuenced:	Not Reported	State Approved Well:	Not Reported
Distribution System:	No	Num Wells Abandoned:	0
Num Wells Plugged:	0	Date of Data Entry:	03/09/93

Geological Formation Yielding Water: Not Reported

7
NW
1/2 - 1 Mile
Lower

FED USGS 384349093340701

BASIC WELL DATA

Site Type: Single well, other than collector or Ranney type

Year Constructed:	1942	County:	Johnson
Altitude:	842.00 ft.	State:	Missouri
Well Depth:	1171.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	108.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011942	Prim. Use of Water:	Institution

AREA RADON INFORMATION

Federal EPA Radon Zone for JOHNSON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

JOHNSON COUNTY, MO

Number of sites tested: 19

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.050 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.226 pCi/L	68%	32%	0%

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Missouri Public Drinking Water Wells
Source: Department of Natural Resources
Telephone: 573-526-5448

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

EDR NEPACheck®

Whiteman Air Force Base - AASF
907 Arnold Avenue
Whiteman Afb, MO 65305

Inquiry Number: 654652.4s

July 10, 2001

EDR® Environmental Data Resources, Inc.

The Source
For Environmental
Risk Management
Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following NEPA checklist items for geographic areas which are available in electronic format:

Natural Areas Map	**Regulation**
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
Flood Plain Map	
• National Food Plain Data	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, AM Radio Towers, FAA Markings and Obstructions	47 CFR 1.1307(8)

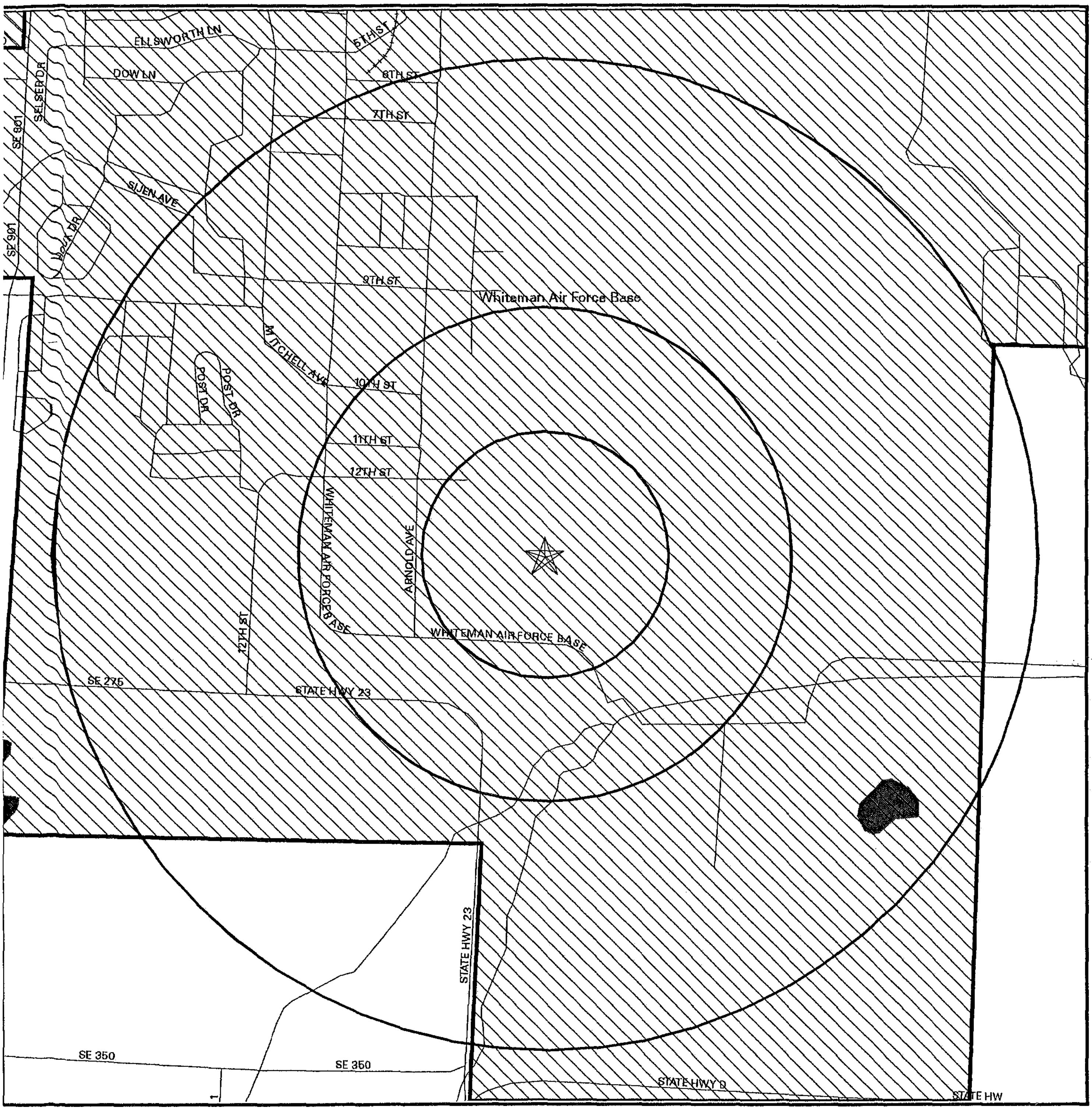
Key Contacts and Government Records Searched

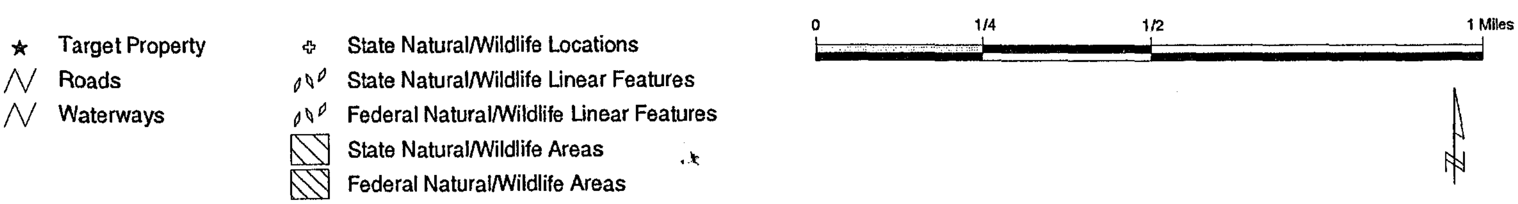
MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 20 of this report.

Database	Search Distance (Miles)	Item within Search Distance	Item within 1/8 mile of Target Property
Federal Lands	1.00	YES	YES
DNR Parks	1.00	NO	NO
NEPAHIST	1.00	NO	NO
FLOODPLAIN	1.00	NO	NO
NWI	1.00	YES	YES
FCC Cellular	1.00	NO	NO
FCC Antenna	1.00	NO	NO
FCC Tower	1.00	NO	NO
FCC AM Tower	1.00	NO	NO
FAA DOF	1.00	YES	NO

Natural Areas Map



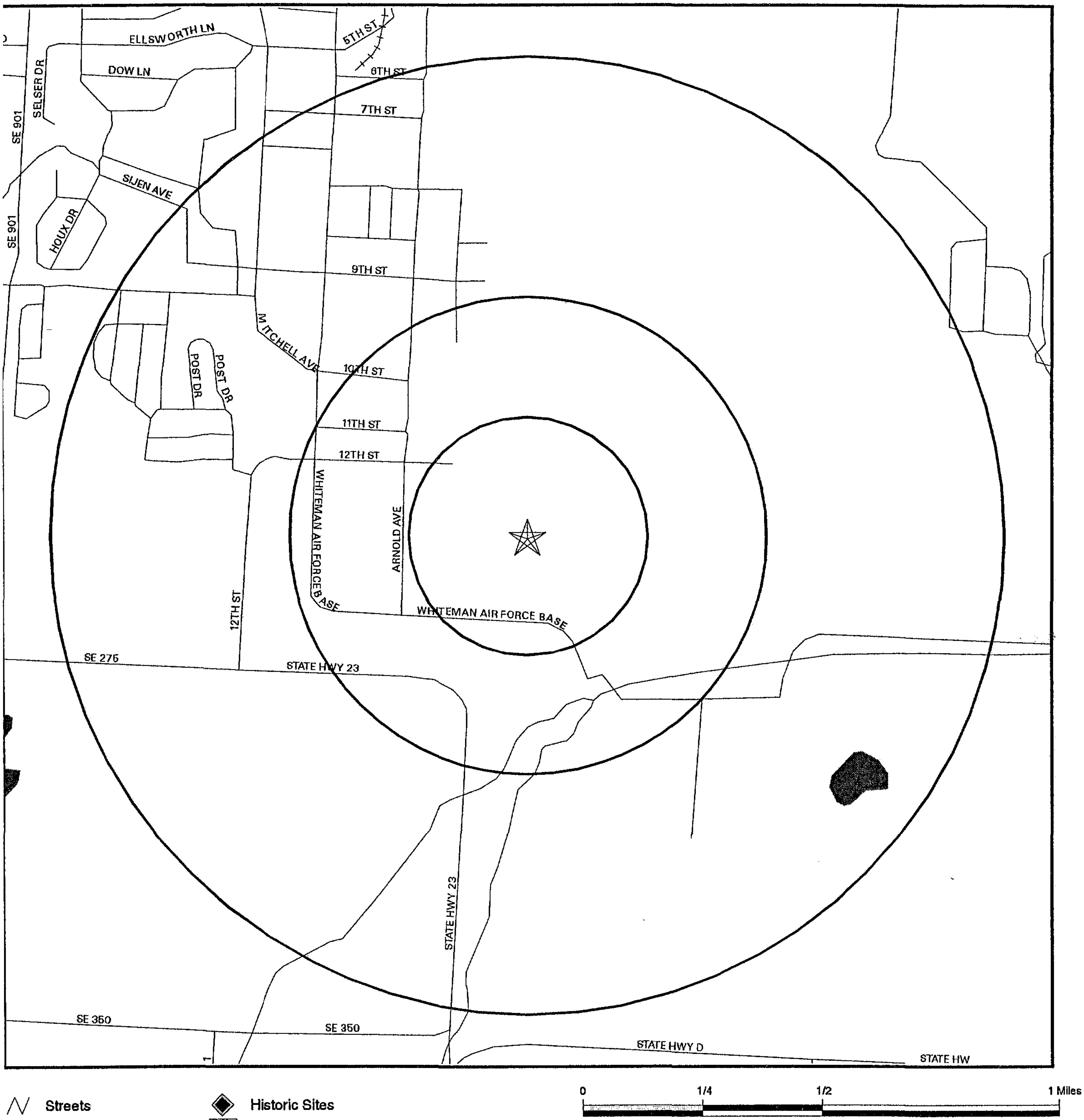


TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.4s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001

NATURAL AREAS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Site		EDR ID Database
NA North 0-1/8 mi 0	Name: ID: State FIPS: Feature:	Whiteman Air Force Base 34687 29 Air Force DOD	US0034687 FED_LAND

Historic Places Map



Streets
Waterways
Water
Historic Sites
Historic Areas
Scenic Trail

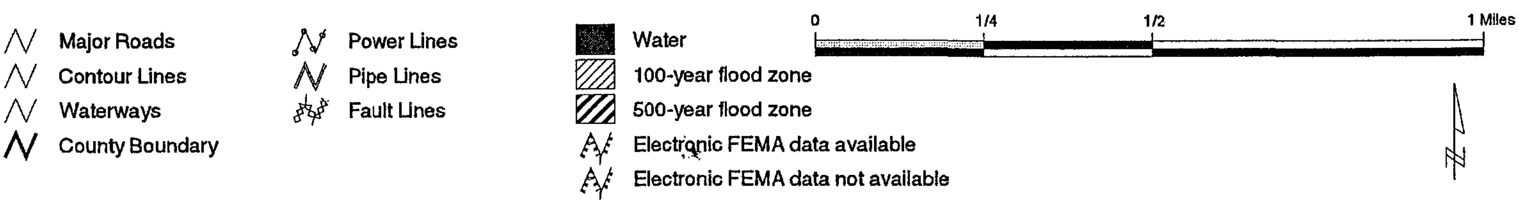
TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.4s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001

HISTORIC PLACES MAP FINDINGS

Map ID Direction Distance Distance (ft.)	EDR ID Database

No Sites Reported.

Flood Plain Map



TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.4s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001

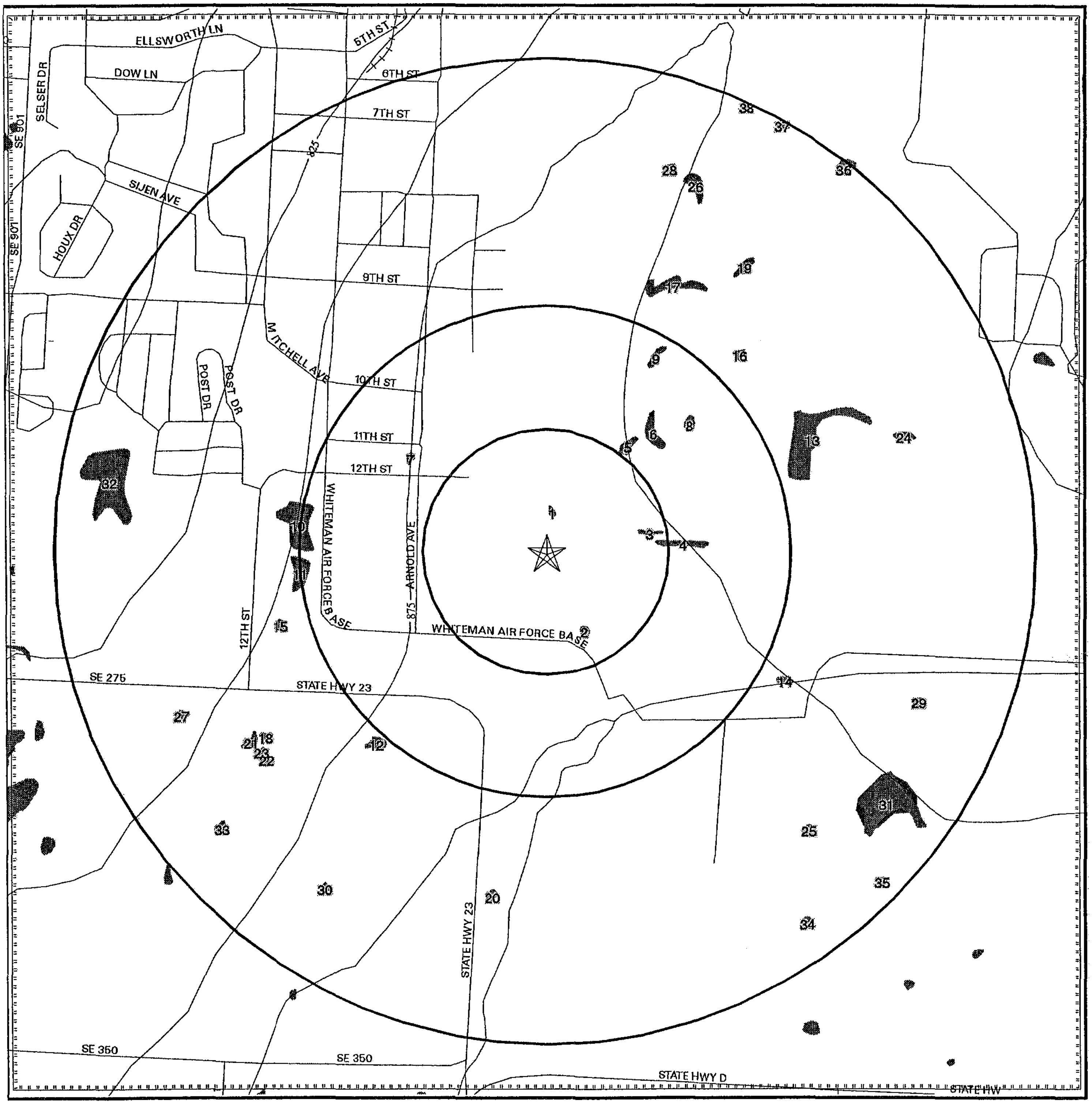
FLOOD PLAIN MAP FINDINGS

Source: FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
JOHNSON, MO	NO

Flood Plain panel at target property:	None Reported
Additional Flood Plain panel(s) in search area:	None Reported

National Wetlands Inventory Map



Major Roads	Power Lines	Water	
Contour Lines	Pipe Lines	Wetlands	
Waterways	Fault Lines	Electronic NWI data available	
County Boundary		Electronic NWI data not available	

0 1/4 1/2 1 Miles

TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.4s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Burtville
Additional NWI hardcopy map(s) in search area:
Not reported in source data

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
1 North 0-1/8 mi 371	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
2 SSE 1/8-1/4 mi 882	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
3 ENE 1/8-1/4 mi 1007	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
4 East 1/8-1/4 mi 1175	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
5 NE 1/8-1/4 mi 1317	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
6 NE 1/4-1/2 mi 1629	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
7 NW 1/4-1/2 mi 1724	PEMCh [P] Palustrine, [EM] Emergent, [C] Seasonally Flooded, [h] Diked/Impounded	NWI
8 NE 1/4-1/2 mi 1991	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
9 NNE 1/4-1/2 mi 2263	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
10 West 1/4-1/2 mi 2483	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
11 West 1/4-1/2 mi 2523	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
12 SW 1/2-1 mi 2664	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
13 ENE 1/2-1 mi 2741	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
14 ESE 1/2-1 mi 2838	PUBFx [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [x] Excavated	NWI
15 WSW 1/2-1 mi 2891	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
16 NE 1/2-1 mi 2910	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
17 NNE 1/2-1 mi 2955	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
18 WSW 1/2-1 mi 3572	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
19 NE 1/2-1 mi 3580	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
20 South 1/2-1 mi 3674	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
21 WSW 1/2-1 mi 3676	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
22 SW 1/2-1 mi 3690	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
23 SW 1/2-1 mi 3690	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
24 ENE 1/2-1 mi 3940	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
25 SE 1/2-1 mi 4066	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
26 NNE 1/2-1 mi 4072	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
27 WSW 1/2-1 mi 4243	PUBFh [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [h] Diked/Impounded	NWI
28 NNE 1/2-1 mi 4253	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
29 ESE 1/2-1 mi 4262	PUBFh [P] Palustrine, [UB] Unconsolidated Bottom, [F] Semipermanently Flooded, [h] Diked/Impounded	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
30 SSW 1/2-1 mi 4269	PEMA [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded	NWI
31 SE 1/2-1 mi 4278	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
32 West 1/2-1 mi 4468	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
33 SW 1/2-1 mi 4519	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
34 SE 1/2-1 mi 4819	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
35 SE 1/2-1 mi 5020	PUBGh [P] Palustrine, [UB] Unconsolidated Bottom, [G] Intermittently Exposed, [h] Diked/Impounded	NWI
36 NE 1/2-1 mi 5114	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
37 NNE 1/2-1 mi 5183	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI
38 NNE 1/2-1 mi 5205	PEMAd [P] Palustrine, [EM] Emergent, [A] Temporarily Flooded, [d] Partially Drained/Ditched	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM — **MARINE**

SUBSYSTEM — **1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	

SUBSYSTEM — **2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM — **E - ESTUARINE**

SUBSYSTEM — **1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM — **2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM — **R - RIVERINE**

SUBSYSTEM: **1 - TIDAL** | **2 - LOWER PERENNIAL** | **3 - UPPER PERENNIAL** | **4 - INTERMITTENT** | **5 - UNKNOWN PERENNIAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM — **L - LACUSTRINE**

SUBSYSTEM — **1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM — **2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM **P - PALUSTRINE**

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS-LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6Deciduous 7 Evergreen	

MODIFIERS

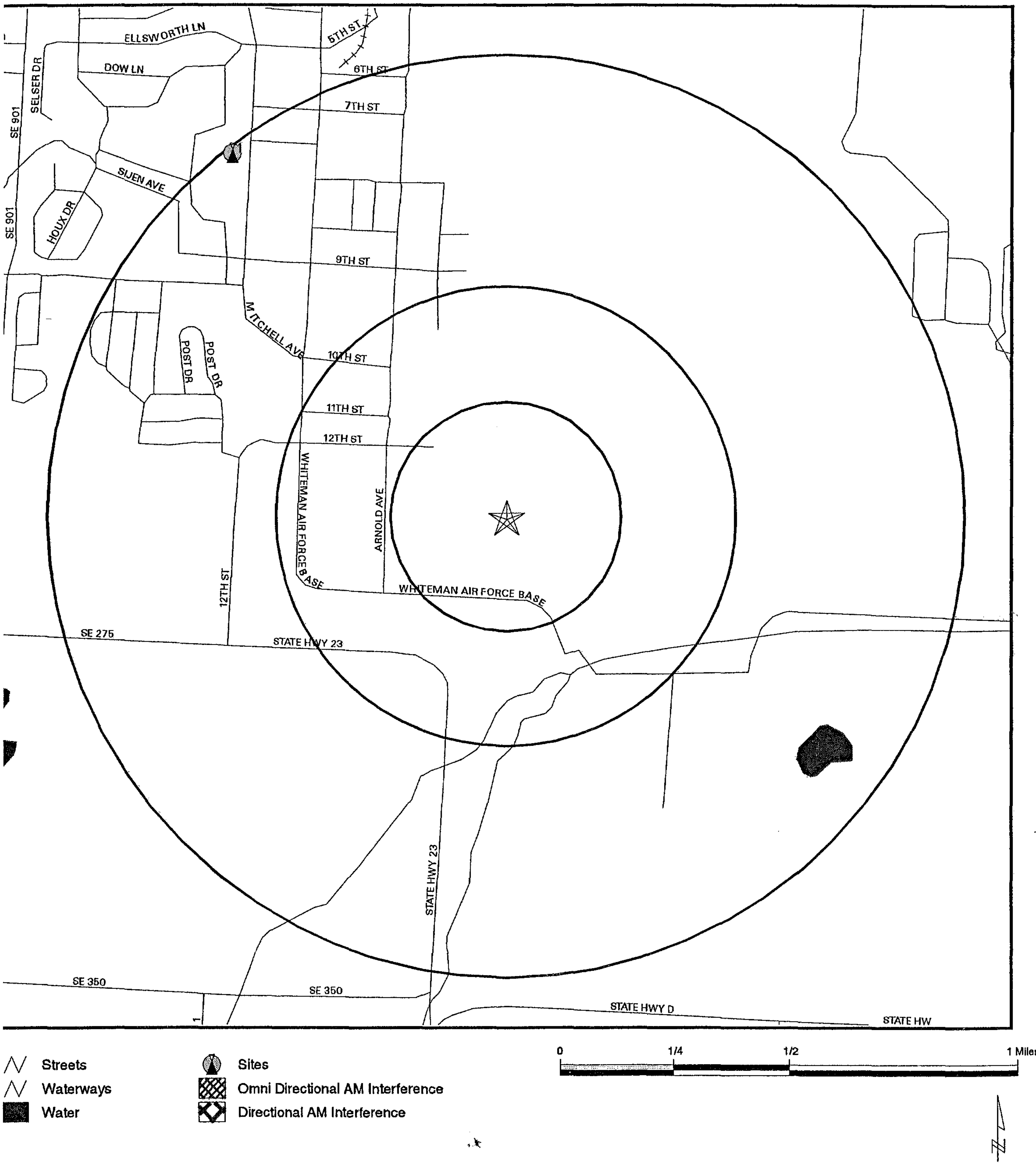
In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	**Tidal**			**CoastalHalinity**	**InlandSalinity**	**pHModifiersfor all Fresh Water**		
A Temporarily Flooded B Saturated C Seasonally Flooded D Seasonally Flooded/ Well Drained E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	H Permanently Flooded J Intermittently Flooded K Artificially Flooded W Intermittently Flooded/Temporary Y Saturated/Semipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown	K Artificially Flooded L Subtidal M Irregularly Exposed N Regularly Flooded P Irregularly Flooded	*S Temporary-Tidal *R Seasonal-Tidal *T Semipermanent -Tidal V Permanent -Tidal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid t Circumneutral i Alkaline	g Organic n Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded r Artificial Substrate s Spoil x Excavated

*These water regimes are only used in tidally influenced, freshwater systems.

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



TARGET PROPERTY:	Whiteman Air Force Base - AASF	CUSTOMER:	BE&K Terranext
ADDRESS:	907 Arnold Avenue	CONTACT:	Kara M. Taylor
CITY/STATE/ZIP:	Whiteman Afb MO 65305	INQUIRY #:	654652.4s
LAT/LONG:	38.7186 / 93.5581	DATE:	July 10, 2001

Map ID Direction Distance Distance (ft.)			EDR ID Database
1 NW 1/2-1 mi 5207			DOF000000041543 FAA DOF
Unique ID:	260801	Obstruction #:	0801
City:	WHITEMAN AFB	State:	Missouri
Verification Status:	unverified	Obstruction Type:	TANK
Latitude:	38 43 48N	Longitude:	093 34 08W
Frequency:	Not Reported	Type of Lighting: Other Lighting	
Above Ground Level Height (Ft.):		0150	
Above Mean Sea Level Height (Ft.):		01000	
Horizontal Accuracy:	Not Reported	Vertical Accuracy:	Not Reported
Painted/Marked:	No	FAA Study #:	Horizontal Ctrl Data

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS
Officially designated wilderness areas
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Federal Contacts for Additional Information

National Park Service, Midwest Region
1709 Jackson Street
Omaha, NE 68102
402-221-3471

USDA Forest Service, Eastern
310 West Wisconsin Avenue
Milwaukee, WI 53203
414-297-3693

BLM - Eastern States Office
7450 Boston Blvd.
Springfield, VA 22153
703-440-1713

Fish & Wildlife Service, Region 3
BHW Federal Building One Federal Drive
Fort Snelling, MN 55111-4056
612-713-5230

Officially designated wildlife preserves, sanctuaries and refuges
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Government Records Searched in This Report

MO_DNRPARKS
DNR Parks
Dept. of Natural Resources owned lands in Missouri
Source: Missouri Spatial Data Information Service
Telephone: 573-884-7802

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3
BHW Federal Building One Federal Drive
Fort Snelling, MN 55111-4056
612-713-5230

State Contacts for Additional Information

Dept. of Conservation 573-751-4115

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3
BHW Federal Building One Federal Drive
Fort Snelling, MN 55111-4056
612-713-5230

Endangered Species

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 3
BHW Federal Building One Federal Drive
Fort Snelling, MN 55111-4056
612-713-5230

State Contacts for Additional Information

Natural Heritage Database, Dept. of Conservation 573-751-4115

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES
Historic Places

Government Records Searched in This Report

National Register of Historic Places:
The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:
- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/15/2000

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service and Forest Service and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 09/01/1997

Federal Contacts for Additional Information
Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information
State Dept. of Natural Resources 573-751-4422

Indian Religious Sites
Federal Contacts for Additional Information
Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management
Government Records Searched in This Report
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information
Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information
Missouri State Emergency Management Agency 573-526-9109

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Conservation 573-751-4115

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas
Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

Tower

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Antenna Registration
Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

AM Tower
Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700

FAA Digital Obstacle File
National Oceanic and Atmospheric Administration
Telephone: 301-436-8301
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

OTHER CONTACT SOURCES

NEPA Single Point of Contact
State Contacts for Additional Information
Federal Assistance Clearinghouse
Office of Administration
P.O. Box 809
Jefferson Building, Room 915
Jefferson City, MO 65102
573-751-4834

Excessive Radio Frequency Emission
For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information
Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

EDR® Environmental Data Resources, Inc.

"Linking Technology with Tradition"

Sanborn® Map Report

Ship to: Kara M. Taylor
BE&K Terranext
13202 West 98th Street
Lenexa, KS 66215

1052635DIB 913-894-4000

Order Date: 7/10/2001 **Completion Date:** 07/11/2001
Inquiry #: 654652.2S
P.O. #: NA
Site Name: Whiteman Air Force Base - AASF
Address: 907 Arnold Avenue
City/State: Whiteman Afb, MO 65305
Cross Streets: Highway 23

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

Appendix C – Environmental Baseline Study Questionnaire

EBS QUESTIONNAIRE

QUESTIONS

Number	General Liability Concerns	YES	NO	N/A	UNK
A1	Have there been any federal or state enforcement actions against the facility?				
A2	Are there any pending enforcement actions against the facility, its owner, or operator?		X		
A3	Has the owner or operator entered into any consent decrees or administrative consent orders?		X		
A4	If so, have these decrees or orders provided a full release from liability?				
A5	Has the property or adjoining property been used for gas station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junk yard or landfill, or a waste treatment storage, disposal, processing, or recycling facility?	X			
A6	Does seller's business involve the use, treatment, storage, or disposal of hazardous substances?	X			
A7	Have there been any citizen suits filed against the facility, owner, or operator?		X		
A8	Have there been any regulator warning letters or administrative orders against the facility, owner, or operator?	X			
A9	Have there been any notices of violation, consent orders, or consent decrees sent to the owner or operator under the citizen suit provisions of any statute?	X			
A10	Do any settlement agreements with the government or private parties leave the owner or operator open to subsequent suits on the same issues?		X		
A11	Can the facility incur future liability through non-compliance with the above orders or decrees?		X		
A12	Has the owner or operator received any Requests for Information, Notice and Demand letters or administrative inquires from any governmental entity with regard to its environmental practices?	X			
A13	Has an "imminent hazard" ever been alleged to exist at the site?		X		
A14	Has the owner or operator not maintained all records required by each environmental statute?		X		
A15	Is the facility out of compliance with any environmental permits?		X		
A16	Do past practices leave the owner or operator open to citizen suits or government enforcement actions?		X		
A17	Has the facility undergone any environmental audits/inspections?	X			
A18	Have audit/inspection deficiencies gone uncorrected?		X		
A19	Have any claims been made under the companies' insurance policies?		X		
A20	Is the company in violation of laws that require insurance policies to cover environmental contingencies?		X		
A21	Is the property adjacent to or on an abandoned mining site?		X		
A22	Is the property adjacent to railroad tracks or underground pipes?		X		
A23	Is the property part of or adjacent to an oil or gas producing property?		X		
A24	Are there any environmental liens or governmental notification relating to past or recurrent violations of environmental laws?		X		

Number	Clean Air Act	YES	NO	N/A	UKN
B1	Does the facility emit air pollutants into the environment?		X		
B2	Is the facility a type for which new standards of performance (NSPS) have been promulgated? See 40 C.F.R. Part 60 for a list of new source categories and applicable standards.		X		
B3	Is the facility in violation or has the facility been in violation of the NSPS or the permit?		X		
B4	Is the facility located in a nonattainment area?		X		
B5	Will the facility be subject to maximum attainable control technology (MACT)?	X			
B6	Is a capital expenditure required to meet the requirements of emissions reductions in the new Clean Air Act, i.e., is the facility required to reduce emissions because it is in a non-attainment area?		X		
B7	Does the facility incinerate any wastes of any kind?		X		

Number	Radon	YES	NO	N/A	UKN
C1	Were the results of an EPA short term radon test performed in the basement above 4pCi/l or 0.02 WL?			X	
C2	Is there evidence that nearby structures have elevated indoor levels of radon or radon progeny?				X
C3	Have local water supplies been found to have elevated levels of radon or radium?				X
C4	Is the property located on or near sites that currently are or formerly were used for uranium, thorium or radium extraction or for phosphate processing?	X			
C5	Were the structures constructed from salvaged material from oil wells or other structures characteristic of high radon levels?		X		
	Note: A property may be acceptable for radon if guidelines in AR 200-1, Chapter 11 are met.				

Number	Clean Water Act	YES	NO	N/A	DKN
D1	Does the facility discharge pollutants into the waters of the state or onto land from which pollutants could enter such waters?	X			
D2	Even if the discharge was permitted by the state, is there any basis upon which EPA might challenge the variance or exemption as abdicating the state's responsibilities?				X
D3	Are there or has there been any flooring, drains, or walls that are stained by substances other than water or are emitting foul odors?		X		
D4	Do the discharge monitoring reports (DMRs) indicate violations of the permit? Have DMR's gone unsubmitted?		X		
D5	Are there any septic tanks, sumps from floor drains, or below-ground oil-water separators?		X		
D6	Have any toxic or hazardous pollutants ever been spilled or otherwise released at the site?	X			
D7	Is there cause to believe that any operation or equipment at the facility might be the cause of a future spill or release of a pollutant?		X		
D8	Has the facility neglected to apply for necessary facility NPDES storm water discharge permits?		X		
D9	Has there been any road oiling done on the facility?	X			
D10	Are there any equipment cleaning stations?		X		
D11	Are there sinkholes, abandoned manholes, abandoned sewer lines or other aquifer access points?		X		
D12	Are there any oily sheens on the surface water or unusual odors?		X		
D13	Can the facility's Clean Water Act permits be easily transferred?			X	
D14	Are permits required to discharge into the WWTF?		X		
D15	Will a new or modified permit be necessary for an expansion of operations?		X		
D16	Are there any visual evidence of wells?		X		
	Pressure tanks?		X		
	Pipes that extend vertically into the ground?		X		
	Above-ground pump heads?		X		
	Small sheds or shelters (sometimes resembling dog houses)?		X		
	Electrical transformers on poles for no other apparent use (especially in agricultural settings)?		X		
	Concrete pads surrounding a pipe or opening?		X		
	Depressions in the ground?		X		
	Small lined or unlined pits?		X		
	Simple holes in the ground?		X		
D17	Are there any non-permitted storm water discharges?		X		
D18	Does the adjacent property discharge waste water on to evaluated property?		X		
D19	Does the evaluated property discharge waste water on or adjacent to the property?	X			

Number	Waste Disposal Facilities	YES	NO	N/A	UKN
J1	Has there been or is there any pits, ponds, or lagoons associated with waste treatment or disposal?		X		
J2	Is there any evidence of acid pits located on or adjacent to the site?		X		
J3	Is it likely the property was used for illegal or uncontrolled dumping?		X		
J4	Are there any obvious high risk neighbors in adjacent properties engaged in producing storing or transporting hazardous wastes, chemicals, or substances?		X		
J5	Was the site ever used for research, industry, or military purposes?	X			
J5	Has any of the site space ever been leased to commercial tenants who are likely to have used, transported, or disposed of toxic chemicals? (e.g. dry cleaner, print shop, service stations, etc.).			X	

Number	Additional Hazards	YES	NO	N/A	UKN
K1	Do the tenant areas contain Urea Formaldehyde Foam Insulation (UFFI) that was installed less than a year ago?			X	
K2	Is there any identifiable UFFI behind exterior-wall switch and outlet cover plates?			X	
K3	Are there any elevated formaldehyde concentrations?		X		
K4	Did interviews indicate the presence of UFFI?			X	
K5	Are there any citizen complaints or local law enforcement responses to unexploded munitions (UXO)?		X		
K6	Has the property ever been suspected to contain or been used for military chemical/biological testing?		X		
K7	Has the Army Technical Escort Unit or Army Corps of Engineers responded to UXO or chemical test kits incidents?		X		
K8	Do any of the building structures have cannec (made from sugar cane waste) building materials?			X	
K9	Are there any small arms test ranges that have been used to perform function checks on serviced weapons?		X		
K10	Are there any ranges, impact areas, berms, maneuver areas, training areas, OB/OD areas present on the facility?		X		
K11	Is there evidence of any "red dust" (arsenic) from cannec materials?		X		
K12	Is there documented evidence that Electromagnetic Radiation (EMF) is present on the property?				X

Number	Comprehensive Environmental Response, Compensation and Liability Act	YES	NO	N/A	UKN
E1	Has the facility ever generated, transported, or disposed of a hazardous substance as defined by Section 9601(14) of CERCLA?	X			
E2	Are any of the facility wastes disposed of in a manner which would create a release or a threat of release prompting future enforcement or private cost recovery actions?		X		
E3	Has the operator/owner ever notified the National Response Center of a reportable quantity release of a hazardous substance into the environment?	X			
E4	Is the owner/operator currently subject to any administrative orders under section 106 of CERCLA, and has it properly complied with all orders issued in the past?	X	X		
E5	Has the owner/operator received any section 104(e) letters from EPA requesting information concerning material sent to sites listed on the National Priorities List?		X		
E6	Has the company failed to develop a complete history of its past disposal practices, including production of all waste manifests, shipping records, disposal contracts, etc., to determine potential liability under CERCLA?				
E7	Has the facility failed to comply with the Emergency Planning and Community Right to Know Act?		X		
E8	Has the company received any notice from adjoining landowners, other potentially responsible parties, or waste disposal facilities that it is responsible under section 107 for cleanup costs or contribution?	X			

Number	Resource Conservation and Recovery Act	YES	NO	N/A	UKN
F1	Does the facility generate, treat, store, transport, or dispose of hazardous waste?	X			
F2	Does the facility accumulate hazardous waste for periods in excess of 90 days?		X		
F3	Does the facility hold a RCRA permit or EPA Waste Generator Number?	X			
F4	Is the facility out of compliance with applicable RCRA regulations?		X		
F5	Has there been any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?	X			
F6	Has fill material been brought onto the property that originated from a contaminated site?		X		
F7	Has there been any pesticides, paints or other chemicals in individual containers stored on or used at the property or facility?	X			
F8	Has an imminent and substantial endangerment ever been alleged to be present at the site?		X		
F9	Has an audit been conducted at this facility to determine RCRA compliance?	X			
F10	Has an inventory been taken to determine the amount and location of underground storage tanks at the facility?	X			
F11	Are there any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground?		X		
F12	Do existing tanks meet all requirements, i.e., financial assurance, leak detection, spill protection, overflow?	X			
F13	Are there any petroleum storage and/or delivery facilities (including gas stations) or chemical manufacturing plants located on adjacent properties?		X		
F14	Are there any active underground or above ground tank facilities on-site for such activities as motor fuel, waste oil or fuel oil storage, hazardous waste or chemical storage in any size?	X			
F15	Have any of the tanks that are more than 10 years old NOT been successfully tested for leaks.		X		
F16	Are there any deactivated UST's on the property?		X		
F17	Are there any hydraulic lift sumps for equipment?		X		
F18	Are there any lead screening tests that indicate evidence of lead-based paint?			X	
F19	Was the building constructed prior to 1979?			X	
F20	Is the paint peeling or chipping?			X	

NOT ON SITE

Number	Toxic Substances Control Act	YES	NO	N/A	UKN
	Note: Common synonyms/names for PCBs include chlorodiphenyls, Aroclor, Askarel, Pyranol and Inerteen.				
G1	Did the facility manufacture, process or distribute in commerce any chemical substances regulated by TSCA?		X		
G2	Have adverse consequences been alleged to have been caused by exposure to chemical substances produced by the facility?		X		
G3	Does the company have PCBs on site?		X		
G4	Is there a need for a comprehensive PCB survey?		X		
G5	Has the facility failed to comply with all asbestos reporting requirements?		X		
G6	Are there any florescent light ballasts containing PCBs in the building?			X	
G7	Is there any visible or documented evidence of soil or groundwater contamination from PCBs on the property?		X		
G8	Is there evidence of soil discoloration around present or former equipment sites, utility poles, etc.?		X		
G9	Are any of the lights damaged or leaking?		X		
G10	Are any of the capacitors or transformers inside residential buildings?			X	
G11	Are any of the transformers or capacitors not clearly marked, well maintained, or secure?			X	
G12	Have PCB concentrations of 50 ppm or greater been found in contaminated soils or groundwater?		X		
G13	Is there any evidence of hydraulic fluid leaks on lifts installed prior to 1980?			X	
	Note: Additional PCB containing materials: carbonless copy paper, brake linings, printers ink, synthetic rubber, natural gas (as a contaminant), microscopy mounting media, fabric coatings, and cutting oils.				

Number	The Safe Drinking Water Act	YES	NO	N/A	UKN
H1	Has there been a discharge of any substance or material at the facility which might find its way into a public water system?	X			
H2	Is the property served by a private/non-public water system that has been found to have contaminants in quantities that exceed drinking water guidelines or has it been designated as contaminated?		X		
H3	Does the drinking water at the facility contain lead at levels above 10 ppb?		X		

Number	Asbestos Removal and Inspection	YES	NO	N/A	UKN
I1	Was the building constructed prior to 1980?			X	
I2	Has the building been inspected by a certified asbestos removal team since 1980 for the presence of ACM?			X	
I3	Has all friable asbestos been removed or contained so that it does not create the potential for human exposure?			X	
I4	Does the site survey reveal any visible evidence of possible ACM? (boiler insulation, floor tiles, building siding, shingles, roofing felt, wall and ceiling insulation, acoustical ceiling tiles, window putty, fuse boxes, heat reflectors, air duct lining)		X		
I5	Is there any documented evidence of asbestos? (tests, surveys, management plan, etc.)		X		

GENERAL ENVIRONMENTAL SEARCH	YES	NO	N/A	UKN
Do any of the following Federal government record systems list the property or any property within the the circumference of the area noted below:				
National Priorities List - within 1.0 mile (1.6Km)?		X		
CERCLIS List - within 0.5 mile (0.8 Km)?		X		
RCRA TSD Facilities - within 1.0 mile (1.6 Km)?				
Do any of the following state record systems list the property or any property within the circumference of of the area noted below:				
List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the equivalent to NPL - within 0.5 mile (1.6 Km)?			X	
List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to CERCLIS - within 0.5 mile (0.8 Km)?			X	
Leaking Underground Storage Tank (LUST) List - within 0.5 mile (0.8 Km)?	X			
Solid Waste/Landfill Facilities - within 0.5 mile (0.8 Km)?	X			
Based on fire insurance maps or consultation with the local fire department, are there any buildings or other improvements on the property or adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?		X		

The preparer of the transaction screen questionnaire must complete and sign the following statement.

This questionnaire was completed by:

Name: Marvin Eaves

Title: Restoration Project Mgr.

Firm: USAF

Address: 660 10th St, Suite 211
Whiteman AFB, Mo 65305-5074

Phone number: 660 687-6263

Date: 9/24/01

If the preparer is different than the user, complete the following:

Name of user:

User's address:

User's phone number:

Preparer's relationship to site:

Preparer's relationship to user:

Copies of the completed questionnaire have been filed at:

Copies of the completed questionnaire have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature: Date:

Appendix D – Past Reports

LF-11

File:
M.E. 1113-11

INSTALLATION RESTORATION PROGRAM
STAGE 2

WHITEMAN AIR FORCE BASE
KNOB KNOSTER, MISSOURI

PREPARED BY:
BLACK & VEATCH, ENGINEERS-ARCHITECTS
4717 GRAND AVENUE
KANSAS CITY, MISSOURI 64112

DECEMBER 1990

TECHNICAL DOCUMENT TO SUPPORT NO FURTHER ACTION

SITE 11B – LANDFILL 2

PREPARED FOR:
HEADQUARTERS STRATEGIC AIR COMMAND
OFFUTT AFB, NE 68113-5001

UNITED STATES AIR FORCE
HUMAN SYSTEMS DIVISION (AFSC)
IRP PROGRAM OFFICE (HSD/YAQ)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

LF-12

DF-5901 D1827

TECHNICAL DOCUMENT TO SUPPORT
NO FURTHER ACTION
(NFA DECISION DOCUMENT)
INSTALLATION RESTORATION PROGRAM
LANDFILL 3
WHITEMAN AIR FORCE BASE
KNOB NOSTER, MISSOURI

August 1988

Prepared for:

UNITED STATES AIR FORCE
OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY
Technical Services Division (USAFOEHL/TS)
Brooks Air Force Base, Texas 78235-5501

ecology and environment, inc.
BUFFALO CORPORATE CENTER
368 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060
International Specialists in the Environment

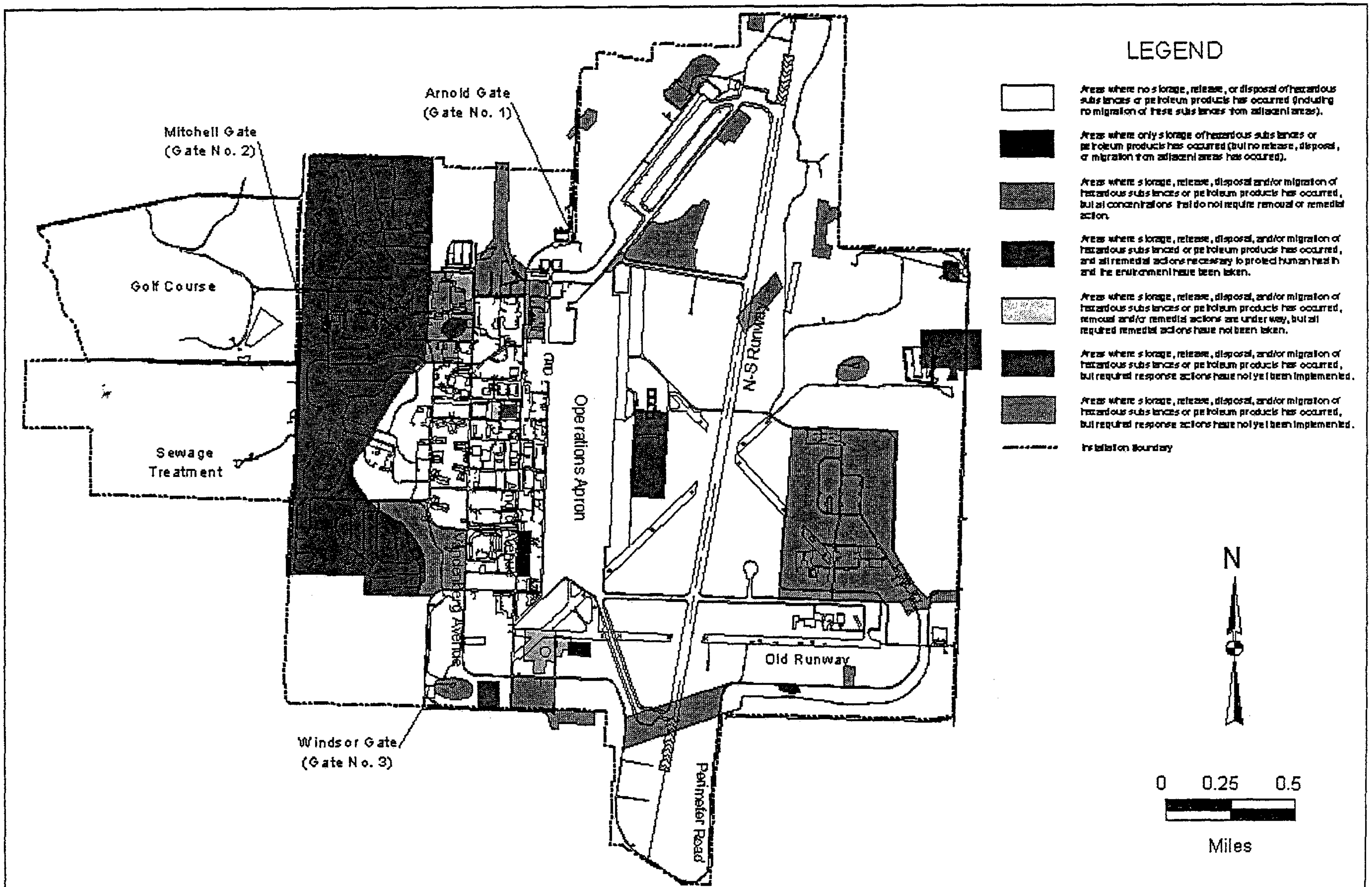
recycled paper

MANAGEMENT ACTION PLAN

Whiteman Air Force Base
Missouri

Air Force Project No.:
ACCH 1999-7544

December 1999



Whiteman Air Force Base Missouri	ENVIRONMENTAL CONDITION FOR WHITEMAN AFB	Figure 2-1

TABLE 1-3A

AIR EMISSION PERMITS FOR ON-BASE FACILITIES AT WHITEMAN AFB

Management Action Plan
Whiteman Air Force Base, Missouri

Permit	Description/Facility
0496-021	Bulk Fuel Storage Tanks at various locations
0696-011	Emergency Generator at Heat Plant
0796-021	Aircraft Support Type Activities
0896-002	Medium Blasting Booth at Facility 27
1080-001A	No. 6 Fuel Oil Tank
0688-004A/5A	Reporting requirements replaced by 0696-011 (Steam Boiler #4 and #5
0191-002	Also contained in 0796-021 (Emergency Generator)
0291-002	Four Fuel Storage Tanks
1291-003	Also contained in 0796-021 (Emergency Generator)
0792-039	Also contained in 0796-021 (Emergency Generator and Boiler)
1093-016	Also contained in 0796-021 (Emergency Generator)
0893-005	Paint Booth
0893-010	Reporting requirements replaced by 0896-002 (Paint/Blast Booth)
0893-034	Reporting requirements replaced by 0896-002 (Paint Booth) (Emergency Generator)
0194-018	Also contained in 0796-021 (Emergency Generator)
0695-006	A-10 equipment: Some emissions are also in 0896-002 & 0496-021
0995-004	Industrial Wastewater Treatment Plant
0194-018	Also contained in 0796-021 (Emergency Generator)
0696-006	Also contained in 0796-021 (Emergency Generator)
0796-210	Numerous Emergency Generators, Solvent Tanks, Fuel Tanks, Paint and Blast Booth
0797-07	Emergency Generators/Storage
0398-008	Engine Test Facility
1998-01-0142	Pilot for SVE Remediation

TABLE 1-4

KEY REGULATORY ACTIONS IMPACTING WHITEMAN AFB

Management Action Plan
Whiteman Air Force Base, Missouri

DATE	ACTION	DETAILS
March 84	Phase I, Records Search Report	Identification of 29 areas of potential contamination
28 Jul 87	Phase II Stage 1	Investigation of 13 sites identified during initial Phase I activities
February 88	Phase II Stage 1 Confirmation/Quantification	Investigation of 13 sites identified during initial Phase I activities
March 89	Phase II Stage 2	Investigation of 12 sites identified during Phase I activities.
20 September 91	RCRA Facilities Agreement	Concerning integrating ERP Activities with RCRA Corrective Action
1993	No Further Remedial Action	Twelve sites were recommended to MDNR for closure with no further remedial action
September 93	Remedial Investigation/ Feasibility Study	Investigation of the following 12 Sites FT-02, ST-06, LF-08, SS-15, FT-16, ST-19, ST-20, SD-21, OT-22, OT-23, SD-28, and SD-29.
June 95	RCRA Facilities Agreement (RFA) Addendum	An addendum to the original agreement listed additional areas of concern, as well as solid waste management units.
January 96	Consent Agreement	Whiteman AFB recommended that the disposition of the site identified in the RFA could be more efficiently addressed through a consent agreement with MDNR.
March 97	Remedial Investigation	Investigation of five sites for remedial/removal activities.
April 97	SI	SI efforts initiated at 18 areas of concern.
October 97	Consent Agreement	Consent Agreement has not yet been finalized.

TABLE 3-4A

UNDERGROUND STORAGE TANKS AT WHITEMAN AFB

Management Action Plan
Whiteman Air Force Base, Missouri

	Tank ID	Location	Capacity (Gallon)	Contents	Year Installed	Removed
1	6-03	Alert Facility Operations	1,000	Diesel	1990	—
2	7-01	Hanger 7	2,500	JP-8	1992	—
3	7-02	Hanger 7	6,000	Gas	1992	—
4	7-03	Hanger 7	6,000	Diesel	1992	—
5	9-01	Hanger 9	1,000	Used Oil	pre-1988	—
6	30	RAPCON	1,000	Diesel	1990	—
7	33	Maintenance Management	1,000	Diesel	1992	—
8	34	Fire Station	2,500	Diesel	1987	—
9	50	Control Tower	550	Diesel	1992	—
10	101-01	Fuel Farm	25,000	Diesel	1941	1998
11	101-02	Fuel Farm	25,000	Soda Solution	1941	1998
12	101-03	Fuel Farm	25,000	Soda Solution	1941	1998
13	101-04	Fuel Farm	25,000	MOGAS	1941	1998
14	101-05	Fuel Farm	25,000	Empty	1941	1998
15	150	Communications Generator	2,500	Diesel	1992	—
16	158-01	Vehicle Maintenance	12,000	MOGAS	1954	1998
17	158-02	Vehicle Maintenance	12,000	MOGAS	1954	1998
18	158-03	Vehicle Maintenance	12,000	Diesel	1954	1998
19	177	Petro Storage	1,000	Used Oil	1989	—
20	198	AFFF Pump Station	1,000	Used Oil	1991	—
21	650-03	Auto Hobby Shop	1,000	Used Oil	1991	1998
22	709-03	Missile Maintenance (CE)	2,000	Diesel	1990	1998
23	709-05	Missile Maintenance (CE)	4,000	Diesel	1995	—
24	1000-01	Headquarters	550	Diesel	1991	—
25	1119-01	A-10 Comprehensive Maintenance	2,500	Diesel	1994	—
26	1119-02	A-10 Comprehensive Maintenance	2,500	MOGAS	1994	—
27	1119-03	A-10 Comprehensive Maintenance	2,500	JP-8	1994	—
28	3032-01	Shopette	10,000	MOGAS	1992	—
29	3032-02	Shopette	10,000	MOGAS	1992	—
30	3032-03	Shopette	10,000	MOGAS	1992	—
31	4003	WSA	6,000	Diesel	1992	—
32	4005-01	WSA Vehicle Refuel	1,000	Diesel	1992	—
33	4005-02	WSA Vehicle Refuel	1,000	MOGAS	1992	—

TABLE 3-4A (Continued)

[illegible]	Tank ID	Location	Capacity (Gallon)	Contents	Year Installed	Removed
34	4005-03	WSA Vehicle Refuel	1,000	Used Oil	1992	—
36	4025	WSA	1,000	Diesel	1991	1998
37	4050-01	Munitions Equipment	500	Used Oil	1993	—
38	4055-02	IMF	500	Diesel		—
39	5034-01	Waste Water Treatment	1,000	Diesel	1991	—
40	5100-01	Flight Line Generator	15,000	Diesel	1994	—
41	5413	Industrial Waste	1,000	Used Oil	1992	—
42	153-01	Combat Crew Training	1,000	Used Oil	1991	1997

UNITED STATES AIR FORCE

HQ Air Combat Command
Environmenal Restoration Branch

Feasibility Study for Site FT-02

Prepared for

Whiteman AFB, Missouri

Through

Air Force Center for Environmental Excellence

Air Force Project No. YWHG 1999-7002
AFCEE Contract No. F41624-97-D-8017
Delivery Order 0022

February 2001

MONTGOMERY WATSON

UNITED STATES AIR FORCE

HQ Air Combat Command
Environmental Restoration Branch

Final Well Management Plan

Prepared for

Whiteman AFB, Missouri

Through

Air Force Center for Environmental Excellence

Air Force Project No. YWHG 20007001
AFCEE Contract No. F41624-97-D-8017
Delivery Order 0044

April 2001

MONTGOMERY WATSON

UNITED STATES AIR FORCE

HQ Air Combat Command
Environmenal Restoration Branch

Record of Decision for Site FT-02

Prepared for

Whiteman AFB, Missouri

Through
Air Force Center for Environmental Excellence

Air Force Project No. YWHG 1999-7002
AFCEE Contract No. F41624-97-D-8017
Delivery Order 0022

July 2001

MONTGOMERY WATSON

WHITEMAN AFB
MISSOURI

INSTALLATION RESTORATION PROGRAM

DECISION/CLOSURE DOCUMENTS

MONTGOMERY WATSON

29 August 2001

AFCEE/ERD
3207 North Road
Brooks AFB, Texas 78235-5363

Attn: Ms. Diane Glass, Restoration Team Chief

Subject: Groundwater Monitoring Summary Report
Whiteman AFB, Missouri
Air Force Project YWHG 20007001
AFCEE Contract No. F41624-97-D-8017, Delivery Order 0044

Dear Ms. Glass:

Montgomery Watson is pleased to submit two copies of the Final Groundwater Monitoring Summary Report for ERP Sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26 at Whiteman AFB, Missouri. This document incorporates AFCEE comments on the draft version and includes a Response to Comments letter. Copies are being sent directly to Mr. Marvin Eaves and Mr. John Hopping as indicated below.

The Groundwater Monitoring Summary Report summarizes the activities undertaken during the long-term monitoring events and presents recommendation for future activities at individual sites.

We greatly appreciate the opportunity to provide environmental services to Whiteman AFB and AFCEE. Please do not hesitate to call me if you have any questions.

Sincerely,

MONTGOMERY WATSON

Vivek Agrawal, P.E.
Delivery Order Manager

Enclosure

cc: Marvin Eaves, Whiteman AFB – 6 copies
Mr. John Hopping, Langley AFB – 1 copy
AFCEE/MSIP – letter only

VA/dmi/jmf
J:\137\44 - Whiteman\1370644a076.doc
1370644

27755 Diehl Road
Suite 300
Warrenville, Illinois
60555

Tel: 630 836 8900
Fax: 630 836 8959

Serving the World's Environmental Needs

MONTGOMERY WATSON

29 August 2001

AFCEE/ERD
3207 North Road
Brooks AFB, Texas 78235-5363

Attn: Ms. Diane Glass, Team Chief

Subject: Response to Comments
Groundwater Monitoring Summary Report, July 2001
Whiteman Air Force Base, Missouri

Dear Diane:

We have reviewed the Air Force's comments as prepared by UNITEC provided to us for the subject document. Each comment has been repeated, in bold, followed by our response.

Specific Comments:

Item 1: **Page 5, Section 2.3, Paragraph 1, Sentence 4: It is recommended that an explanation as to the cause of the destruction of MW14 be included in the report.**

Response 1: There is no exact explanation for how or why MW14 was destroyed at LF08. From our last visit, it looks as if the well was graded over (PVC was shattered) and the protective casing was removed. As such, no changes have been made to the text.

Comment 2: Page 8, Section 3.1: In the first paragraph, fourth sentence: The background levels should be reported in ppm.

Response 2: PID meter units has been changed in the text to read PPM.

Comment 3: Page 11, Section 3.3.4, Paragraph 1: Figure 17. In the figure, groundwater flow as indicated by the potentiometric lines, is in the southwesterly direction, not southeast, as stated in the paragraph. Please correct inconsistency.

Response 3: The text has been changed to read southwest.

Comment 4: **Page 11, Section 3.3.7, Paragraph 1: Figure 22. In the figure, groundwater flow as indicated by the potentiometric lines, is in the northwesterly direction, not southeast, as stated in the paragraph.**

Response 4: The text has been changed to read northwest.

Comment 5: **Page 13, Section 4.3: The recommendation for Site LF-08 should be amended to include the newly installed wells.**

Response 5: The following text has been added: "..., including sampling from the six newly installed wells."

Comment 6: **Page 12, Section3.3.8, Paragraph 1: Figure 24. In the figure, groundwater flow as indicated by the potentiometric lines, is in the southeasterly direction, not northwest as stated in the paragraph. Please correct inconsistency.**

Response 6: The text has been changed to read southeast.

Comment 7: **Page 13, Section 4.1: The second paragraph as stated, is inaccurate. The Feasibility study has been finalized. It is recommended that the contractor include a sentence stating that No Further Action is being proposed for FT-02.**

Response 7: The text has been revised to state the above proposed language. In addition, the text has been revised to suggest continued groundwater monitoring while awaiting MDNR closure.

Comment 8: **Figure 12: The Benzene level for MW06 is labeled as 2.37 µg/L in the figure, but is listed as 237 µg/L in the Table 4. Please correct the inconsistency.**

Response 8: Figure 12 has been corrected to match Table 4.

Comment 9: **Figure 15: The elevation of MW22 is listed as 823.1, but does not coincide with that of Table 2 listed as 815.3.**

Response 9: Figure 15 has been corrected to match Table 2.

Comment 10: **Figure 15: The elevation of MW23 is not included in the contour diagram. This reading should be included in the contours.**

Response 10: The figure has been updated to incorporate MW23 elevation in the contour diagram.

dmi/jmf
J:\137\44 - Whiteman\1370644a075a.doc

UNITED STATES AIR FORCE

HQ Air Combat Command
Environmental Restoration Branch

Groundwater Monitoring Summary Report

Prepared for

Whiteman AFB, Missouri

Through

Air Force Center for Environmental Excellence

Air Force Project No. YWHG 20007001
AFCEE Contract No. F41624-97-D-8017
Delivery Order 0044

August 2001

MONTGOMERY WATSON

GROUNDWATER
MONITORING SUMMARY REPORT

WHITEMAN AIR FORCE BASE
MISSOURI

August 2001

Prepared for:

HQ Air Combat Command
Air Force Center for Environmental Excellence

Air Force Project: YWHG20007001
Contract Number: F41624-97-D-8017

Delivery Order 0044

Prepared by:

Montgomery Watson
27755 Diehl Road, Suite 300
Warrenville, Illinois 60555

STATE OF MISSOURI
DAVID A. FULTON
RG 1009
REGISTERED GEOLOGIST
8/29/01

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STATE OF MISSOURI
DAVID A. FULTON
RG 1009
REGISTERED GEOLOGIST

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	2-Well Constructions Diagrams
	3-Well Developments Forms
	4-Water Level Forms
	5-Purging Forms
	6-Chain-of-Custody
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Appendix D	QA/QC Evaluation – April 2001

STATE OF MISSOURI
DAVID A. FULTON
RG 1009
REGISTERED GEOLOGIST

8/29/01

EXECUTIVE SUMMARY

This Groundwater Monitoring Summary Report (GMSR) describes the results of field activities conducted from October 2000 through April 2001 at eight Environmental Restoration Program (ERP) sites, Whiteman Air Force Base (AFB), Missouri. Waste streams including petroleum, oil, lubricant, solvent and coating material related wastes have been historically generated at Whiteman AFB, and some of these waste streams may have impacted shallow groundwater at ERP sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26. The objective of this report is to summarize the results of the October/November 2000 and April 2001 rounds of semi-annual groundwater sampling conducted at these eight sites, assess the temporal nature and extent of groundwater contamination, and provide recommendations for additional investigative activities or for specific site closures, as appropriate. To aid in the recommendations, accumulative data have been provided from the September/October 1999 and March/April 2000 sampling events.

This document has been prepared for Whiteman Air Force Base under the Air Force Center for Environmental Excellence (AFCEE), Contract Number F41624-97-D-8017, Delivery Order (DO) 0044. The AFCEE Team Chief is Ms. Diane Glass and the AFCEE Contracting Officer is Mr. Clifford Trimble. The Montgomery Watson Program Manager is Mr. Bruce McMaster and the Delivery Order Manager is Mr. Vivek Agrawal. The Montgomery Watson Quality Assurance/Quality Control (QA/QC) Manager is Mr. David Fulton. Several Montgomery Watson technical personnel have been involved in various specific capacities during this project.

This GMSR presents water level monitoring data and analytical results for groundwater collected at eight ERP sites during October/November 2000 (Round 3) and April 2001 (Round 4) sampling events. In addition, this report includes soil results from well installation activities at site ST-26 in November 2000. This report includes accumulative data for ERP sites where soil sampling was conducted in June 1999 and groundwater sampling that was conducted in September/October 1999 (Round 1) and March/April 2000 (Round 2) under DO 0022. Cleanup levels at Whiteman AFB were determined by comparing detected levels in soil and groundwater to relevant regulatory levels. Consistent with current Missouri Department of Natural Resources (MDNR) policy, this report screens contaminants in soil and groundwater against MDNR Tier 1 Soil Target Concentrations (STARCs) and Groundwater Target Concentrations (GTARCs), as specified in the Cleanup Levels for Missouri (CALM) document. Cleanup levels for soil were determined based on CALM guidance developed by the MDNR (1998) and soil screening levels specified by the U.S. Environmental Protection Agency (USEPA). Cleanup levels for groundwater were determined based on CALM guidance, federal Maximum Contaminant Levels (MCLs) for drinking water, and State of Missouri MCLs for drinking water. The physical and chemical analytical data were then used to support recommendations for either additional investigative activities, continued long-term monitoring, or site closure.

ACRONYMS AND ABBREVIATIONS

AAF	Army Airfield
AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
AST	aboveground storage tank
BTEX	benzene, toluene, ethylbenzene and xylene
CALM	Cleanup Levels for Missouri
COC	Contaminant of Concern
DO	Delivery Order
DPE	dual-phase extraction
DPT	direct push technology
DQO	Data Quality Objectives
EE/CA	Engineering Evaluation/Cost Analysis
ERP	Environmental Restoration Program
GMSR	Groundwater Monitoring Summary Report
GTARC	Groundwater Target Concentration
ICBM	Intercontinental Ballistic Missile
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
MDNR	Missouri Department of Natural Resources
MS/MSD	Matrix spike/matrix spike duplicate
ORP	oxidation-reduction potential
OWS	oil/water separator
PARCC	Precision, Accuracy, Representativeness, Comparability and Completeness
PAH	Polyaromatic Hydrocarbon
PCB	Polychlorinated biphenyl
PID	Photoionization detector
ppm	Parts per million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QPP	Quality Program Plan
STARC	Soil Target Concentration
SVOC	semi-volatile organic compound
TCE	trichloroethene
TPH	total petroleum hydrocarbons
µg/L	Micrograms per Litter
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound

1.0 INTRODUCTION

1.1 OBJECTIVES

This report summarizes the results of two rounds of semi-annual groundwater sampling conducted at Environmental Restoration Program (ERP) sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26 at Whiteman Air Force Base (AFB), Missouri. These sites are included as part of the 2000-2001 Long-Term Operation, Monitoring and Maintenance Program. Round 3 activities were performed in October/November 2000 and Round 4 sampling was performed in April 2001. In addition, this report includes information and results for soil sampling and well installation performed at site ST-26. All work was conducted under contract to the Air Force Center for Environmental Excellence (AFCEE), Contract Number F41624-97-D-8017, Delivery Order (DO) 0044, and was performed in accordance with the 2 November 2000 Revised Letter Addendum to the Quality Program Plan (QPP) (Montgomery Watson, 2000).

The overall objective of semi-annual groundwater monitoring is to assess the temporal nature and extent of groundwater contamination at the various sites. This report provides evaluations of groundwater conditions at the sites and recommendations for additional investigative activities or for specific site closures, as appropriate.

1.2 ORGANIZATION OF REPORT

Section 1.0 describes the objectives of this report together with a background summary of Whiteman AFB. Section 2.0 provides a summary of the ERP sites covered in this document, including a description of the field activities at each site. Section 3.0 presents results of the sampling and analysis. Section 4.0 provides detailed evaluations and recommendations for each site, which are summarized in Section 5.0. Section 6.0 presents the references cited in the document.

1.3 BACKGROUND

Whiteman AFB encompasses approximately 4,677 acres in Johnson County, Missouri, and is located about 65 miles southeast of Kansas City, just south of the town of Knob Noster, Missouri. It is bordered by agricultural land to the south and east and by Knob Noster State Park and low-density residential areas to the north and west. The Base location is shown in Figure 1.

The Base was opened in 1942 under the name of Sedalia Army Airfield (AAF), but was closed in 1947 and most of the buildings were demolished. The Base was reopened in 1951 and new runway construction was completed in 1953. It was subsequently renamed

2.0 SITE SUMMARIES AND DESCRIPTION OF FIELD ACTIVITIES

2.1 SITE FT-02 (FIRE TRAINING AREA)

Site FT-02 is the Base's former fire training area. Shown in Figure 3, this site is located north of Perimeter Road along an abandoned taxiway, in the southern portion of the Base. Site FT-02 contains two former burn pits (Burn Pit No. 1 and Burn Pit No. 2) that were historically used for fire training activities. Contaminated fuels (principally JP-type and possibly leaded fuels) were burned during the training exercises. Other fuels, waste oils and solvents were also likely burned. The site also contained a structure, Building 99, that was located north-northwest of the burn pits. The exact history of fire protection training practices at this building, demolished in May 1993, is not known. In addition, the site contained a waste oil underground storage tank (UST), two fuel aboveground storage tanks (ASTs), two small unlined ponds, and a lined pond with an associated oil/water separator (OWS). All aboveground structures at site FT-02 were to be removed prior to the completion of soil excavation activities (Halliburton, 1997). Fuels are the main contaminants of concern at this site, but other waste oils and solvents may have been used and therefore may be present in soil and groundwater.

Burn Pit No. 1, abandoned after 1988, consisted of an unlined gravel area, which was 707 square feet in area. In 1996 and early 1997, 7,000 cubic yards of petroleum contaminated soil was removed from the pit as part of an interim removal action. The Burn Pit No. 1 excavation was subsequently lined and backfilled with clean soil from the Base. Burn Pit No. 2, constructed after 1988, was lined and filled with gravel and is located 140 feet southwest of Burn Pit No. 1. Burn Pit No. 2 was constructed with a centrally located drain, with sprinkler fixtures throughout the pit. This pit is still present but is no longer used for fire training.

Field activities at this site included groundwater level gauging, total well depth gauging, and groundwater sampling. During September/October 1999, groundwater was gauged and sampled at six wells (MW03, MW04, MW05, MW06, MW07, and MW11). In March/April 2000, October/November 2000, and April 2001, groundwater was gauged and sampled from all eight wells at FT-02. Groundwater analyses included metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).

2.2 SITE LF-03 (LANDFILL 5)

Site LF-03 (also known as Landfill 5), shown in Figure 4, is located in the southeast corner of the Base. Bounded on the north by Long Branch Creek, the landfill covers 40 acres. LF-03 was in operation from 1972 through 1977, and was constructed and operated using the trench and fill method. The trenches are orientated in an east–west direction and were reportedly filled with Base refuse, demolition waste, rubble, 55-gallon drums of waste oil, and other chemicals.

March/April 2000 sampling round, groundwater level and total well depth gauging was performed at four additional wells (MW07, MW08, MW09, and MW10) at site LF-08 and groundwater samples were collected from the fifteen monitoring wells specified during September/October 1999. During October/November 2000, six new groundwater monitoring wells (MW21, MW22, MW23, MW24, MW25, and MW26) were installed under another project - Data Gaps Works Plan for ERP Site LF-08 (Montgomery Watson, 2000) - and water levels were gauged at these wells under DO 0044. During the October/November 2000 and April 2001 sampling rounds, all monitoring wells were gauged at the site. Groundwater sampling was preformed at the same fifteen wells as September/October 1999 with one exception during April 2001; MW14 was destroyed and was not usable to take water levels or a sample. Groundwater analyses included VOCs, SVOCs and metals for all wells sampled.

2.4 SITE OT-22 (ORDNANCE DISPOSAL AREA)

Site OT-22, shown in Figure 6, is located east of the main runway. It was used for the disposal of incinerated ordnance ash, using a popping furnace, until 1991. The ash from this furnace was deposited over two acres both north and south of the furnace. The site is currently used for the application of sludge from unspecified Base operations. Historical analytical data suggest that groundwater at this site may be impacted with metals and bis (2-ethylhexyl) phthalate.

Field activities at this site included groundwater level gauging, total well depth gauging, and groundwater sampling. During September/October 1999, March/April 2000, October/November 2000 and April 2001, groundwater was gauged and samples were collected from all three wells. Groundwater analyses included metals, VOCs, SVOCs, and explosives.

2.5 SITE OT-23 (FIRING RANGES)

Site OT-23, shown in Figure 7, is located near the east perimeter of the Base along Highway D. This site consisted of three firing ranges, each active at different times dating back to the early 1940s. Each range was constructed with a soil impact berm located behind the target areas to catch the lead projectiles. Two of the firing ranges were decommissioned in 1996. As part of the decommissioning process, 1,900 cubic yards of soil were stockpiled and chemically treated at site OT-23. The third firing range is presently active and fully enclosed within a building.

Field activities at this site included groundwater level gauging, total well depth gauging, and groundwater sampling. During September/October 1999, March/April 2000, October/November 2000 and April 2001, groundwater was gauged and samples were collected from all three wells. Groundwater samples were analyzed only for lead, except for the September/October 1999 round, when all metals were analyzed and reported.

unknown volume of diesel fuel and was removed along with contaminated soil between December 1992 and March 1993. The tank and soil removal report indicated that some soil containing benzene, toluene, ethylbenzene, and xylene (BTEX) and TPH was left in place (META, 1992). The report also suggested that groundwater was contaminated with BTEX and TPH.

Field activities at this site included soil and groundwater screening, well installation, groundwater level gauging, total well depth gauging, and groundwater sampling. In June 1999, five soil samples and five groundwater samples were collected using direct push technology (DPT), and analyzed by a fixed lab. In August 1999, three wells (MW01, MW02, and MW03) were installed and three soil samples were collected and analyzed by a fixed lab. In September/October 1999 and March/April 2000, groundwater was gauged and samples were collected from the three wells. Three additional monitoring wells (MW04, MW05, and MW06) were installed to bedrock in October/November 2000. In October/November 2000, groundwater was gauged and samples were collected from the three existing wells; at that time, the three new wells were dry. In December 2000, the three new wells were developed and sampled. In April 2001, all six wells were gauged and sampled. Soil analyses included metals, TPH, VOCs, and SVOCs. Groundwater screening samples were analyzed for metals and VOCs while groundwater monitoring well samples were analyzed for metals, TPH, VOCs, and SVOCs.

3.0 RESULTS OF FIELD ACTIVITES

The scope of work for the field activities is described in the approved November 2000 Letter Addendum to the QPP (Montgomery Watson, 2000). In general, the scope included groundwater level measurement and sampling at existing monitoring wells located at sites FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, and SS-30. In addition, the scope included soil sampling and monitoring well installation and sampling at site ST-26.

Site-specific parameters are contaminants of concern (COC) for individual sites. Cleanup levels at Whiteman AFB were determined by comparing detected levels of COCs in soil and groundwater to relevant regulatory levels. Consistent with current MDNR policy, this report screens contaminants in soil and groundwater against MDNR Tier 1 Soil Target Concentrations (STARCs) and Groundwater Target Concentrations (GTARCs), as specified in the Cleanup Levels for Missouri (CALM) document. Cleanup levels for soil were determined based on CALM guidance developed by the MDNR (1998), and soil screening levels specified by the U.S. Environmental Protection Agency (USEPA). After reviewing the Missouri CALM Guidance Scenario C for sites at which there is no public access, the STARC C cleanup levels were deemed appropriate for all sites at Whiteman AFB. Cleanup levels for groundwater were determined based on CALM guidance, federal Maximum Contaminant Levels (MCLs) for drinking water, and State of Missouri MCLs for drinking water. Analytical data will be used to support recommendations toward additional investigative activities, continued long-term monitoring, or closure at each site addressed in this report, as appropriate.

3.1 WELL INSTALLATION AND DEVELOPMENT AT SITE ST-26

Three new monitoring wells (MW04, MW05, and MW06) were installed at site ST-26 based on TCE concentrations previously measured in monitoring wells MW02, and MW03. The monitoring well borings were advanced using hollow stem auger methods down to bedrock. Unsaturated split spoon soil samples were collected from each borehole at 2.5-foot intervals, terminating at bedrock. Each soil sample was screened using a photoionization detector (PID). Up to one unsaturated sample with the highest PID readings from each borehole was submitted to the laboratory for analysis. In cases where none of the samples from a borehole had PID readings above background levels (10 to 15 parts per million (ppm)), then no sample was taken. A second sample was then collected at a depth of 15 to 18 feet or where a significant increase in soil moisture was noted, and was submitted to the laboratory for analysis in accordance with the QPP. Boring logs are included in Appendix A-1.

Soil samples obtained during well installation sampling were submitted to the analytical laboratory, and analyzed for the site-specific parameters listed in the QPP (Montgomery Watson, 2000).

3.3.1 Site FT-02 (Fire Training Area)

The shallow groundwater potentiometric surface produced from the October/November 2000 well gauging measurements suggests a southeast groundwater flow direction (Figure 11). The shallow groundwater potentiometric surface produced from the April 2001 measurements suggests a localized depression in the area around the former burn pit number 1. This effect may be representative of additional infiltration that occurred in April 2001 and therefore is not a likely representative of the "normal" groundwater flow direction. The site had been a storage area for plowed snow, which was melting due the warm temperatures and rain in April 2001. The site had many large ponds and the grassy area was saturated.

Groundwater samples that exceeded cleanup levels are shown in Figure 12. Iron and manganese exceeded cleanup levels in most of the wells. Well MW05 had high levels of benzene (952 micrograms per litter (µg/L)) and 1,2 dichloroethane (45 µg/L) for October/November 2000 and no exceedances in April 2001. Well MW06 had no previous detections; however, exceedances for benzene (2.37 µg/L) and 1,2 dichloroethane (6.3 µg/L) were noted during the April 2001 sampling event.

3.3.2 Site LF-03 (Landfill 5)

A shallow groundwater potentiometric surface map was produced using the October/November 2000 and April 2001 sampling elevations (Figure 13). This map demonstrates that shallow groundwater generally flows north to northeast toward a shallow stream that borders the north boundary of this site. Although groundwater appears to be mounding near two monitoring wells on the western portion the site (MW02 and MW08), a radial flow pattern is not suspected.

Groundwater samples that exceeded established standards are shown on Figure 14. Aluminum and iron exceeded cleanup levels in all wells at this site. Lead exceeded cleanup levels in MW02 and manganese exceeded cleanup levels in all wells except MW11.

3.3.3 Site LF-08 (Landfill 1)

A shallow groundwater potentiometric surface map was produced using the October/November 2000 and April 2001 groundwater elevations (Figure 15). Local shallow groundwater flows generally toward a drainage ditch/stream located in the middle of the site. Groundwater flow has been consistent between the two sampling events.

Groundwater samples that exceeded establish cleanup levels are shown on Figure 16. Eight of fifteen wells had exceedances of TCE. Vinyl chloride exceeded cleanup standards in one well (MW19). Aluminum exceeded cleanup levels in fifteen wells. Iron exceeded cleanup levels in thirteen wells in October/November 2000, and fourteen wells in April 2001. Manganese exceeded cleanup levels in twelve wells in October/November 2000 and eleven wells in April 2001. Lead exceeded cleanup levels in wells MW11, MW12, and MW17 in October/November 2000, and in MW12 in April 2001. Chromium and nickel exceeded cleanup levels in most wells during both groundwater sampling events.

3.3.8 Site ST-26 (Building 94 Ground Radio Communications)

The shallow groundwater potentiometric surface produced from the October/November 2000 and April 2001 measurements suggests a southeast groundwater flow direction (Figure 24).

Groundwater samples that exceeded establish cleanup levels are shown on Figure 25. Aluminum, iron, and manganese exceed the cleanup level at all wells for both sampling events, except for MW06 in which manganese was below the cleanup levels during the April 2001 sampling event. At MW03, TCE and lead exceeded cleanup levels during both sampling events. Also, lead exceeded the cleanup levels during October/November 2000 in MW05.

3.4 DATA QUALITY EVALUATION

All data collected during the third and fourth semi-annual groundwater monitoring events were subjected to QA/QC evaluation to ensure data were reliable and legally defensible. Field and laboratory Quality Assurance/Quality Control (QA/QC) checks were performed to evaluate the performance of the field sampling and laboratory analytical procedures. Field QA/QC checks included the collection and analysis of field duplicates, ambient blanks, trip blanks, and equipment blanks for the purpose of evaluating quality assurance in field sampling methods. Laboratory QA/QC checks included calibration of instruments and analysis of the following control samples: method blanks, matrix spike/matrix spike duplicate (MS/MSD) samples, laboratory control standards, and routine analysis of surrogate compounds. Results of the field and laboratory QA/QC evaluations for the third and fourth semi-annual groundwater monitoring round are presented in the Quality Control Summary Reports in Appendix C and D.

Laboratory data were validated at USEPA level 4 for approximately ten percent of the data and the remaining ninety percent of the data were validated at USEPA level 3. Data quality was evaluated based on precision, accuracy, representativeness, comparability, and completeness (PARCC). Details of the PARCC characteristics are provided in appendices C and D.

The data collected during the October/November 2000 and April 2001 semi-annual groundwater monitoring events are of a known and acceptable quality. Although some of the data were qualified as estimated or rejected based on QA/QC nonconformances, the overall data quality objectives (DQOs) of the groundwater monitoring project were satisfied.

4.0 EVALUATIONS AND RECOMMENDATIONS

This section provides evaluations of groundwater conditions at the ERP sites as well as recommendations for future activities at each site. Evaluations and recommendations are based on the results of four rounds of monitoring preformed by Montgomery Watson. The evaluations state whether further site-specific investigation or continued monitoring activities are recommended, or if individual sites can be "closed out" in accordance with MDNR protocol.

For sites, FT-02, LF-03, LF-08, OT-22, OT-23, SS-15, SS-30, and ST-26, aluminum, iron and manganese exceed MDNR cleanup levels. However based on previous studies (Jacobs Engineering, 1999 and Montgomery Watson 2000), it appears that the presence of these and potentially other metals concentrations are representative of background conditions in soil and groundwater. A comprehensive evaluation of background concentration of metals in groundwater is recommended. Resolution of this matter could facilitate expedited closures for several sites.

4.1 SITE FT-02 (FIRE TRAINING AREA)

Previous sampling rounds at this site have detected BTEX compounds at MW05 as well as at DPT sampling points referenced in the Feasibility Study (Montgomery Watson, 2000). A Feasibility Study for this site has been finalized which recommends No Further Action. However, groundwater sampling at the eight monitoring wells is recommended until concurrence from MDNR for the site is obtained.

4.2 SITE LF-03 (LANDFILL 5)

Site LF-03 had no exceedances of VOCs, SVOCs, TPH, PCBs, herbicides or pesticides compounds in the last two rounds of sampling. There were four metals, aluminum, iron, lead, and manganese that exceeded groundwater cleanup levels. Continued groundwater monitoring is recommended at this site due to elevated concentrations of lead at MW02.

4.3 SITE LF-08 (LANDFILL 1)

Site LF-08 has exceedances of several compounds in shallow groundwater at a number of wells. A data gaps investigation is currently being conducted at this site and continued groundwater monitoring at the existing fifteen wells is recommended, including sampling from the six newly installed wells.

4.8 SITE ST-26 (BUILDING 94 GROUND RADIO COMMUNICATIONS)

Site ST-26 had exceedances TCE and lead in the last two rounds of sampling. There were three additional metals exceedances but due to suspected high metal concentrations that are natural occurring in groundwater, these should not be considered as COCs. However, TCE exceeds cleanup levels and continued groundwater monitoring is recommended at this site.

5.0 SUMMARY

In November 2000, three additional groundwater monitoring wells were installed at site ST-26. In October/November 2000 the third round of groundwater monitoring was conducted at eight ERP sites, followed by the fourth round of groundwater monitoring in April 2001.

The analytical data from four rounds of groundwater monitoring and the previous six rounds preformed by Jacobs Engineering were evaluated. A current summary of recommendations for the ERP sites is listed below.

Site	COCs	Recommended Actions
FT-02	Metals	Continue monitoring at the eight wells, while waiting for MDNR concurrence for site closure
LF-03	Metals including lead	Continue monitoring at five existing wells
LF-08	TCE, vinyl chloride, metals including lead	Continuing monitoring at fifteen wells
OT-22	Metals	Continuing monitoring at three wells
OT-23	Lead	Continuing monitoring at three wells, while waiting for MDNR closure
SS-15	Metals	Replace two wells and continuing monitoring at three wells
SS-30	TCE, carbon tetrachloride, and metals	Continuing monitoring at all site wells
ST-26	Diesel and TCE constituents and metals including lead	Continuing monitoring at all site wells

At all the ERP sites, aluminum, iron, and manganese exceed cleanup levels. However, these and potentially other metals may likely be representative of background groundwater conditions across the Base. A background metals evaluation is recommended after which discussions with MDNR should be considered to reach an agreement regarding whether future monitoring should include these metals as COCs.

6.0 REFERENCES

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Table 2
Summary of Groundwater Elevations
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location	Well Number	Sample Event	Depth to Water (feet)	Total Depth (feet)	Screen Length (feet)	Screen Interval Depth (feet)	PVC Elevation (feet)	Water Elevation (feet)
FT-02	MW01	Round 2	5.71	22.55	ND	ND	844.14	838.43
FT-02	MW01	Round 3	7.37	22.13	ND	ND	844.14	836.77
FT-02	MW01	Round 4	5.19	22.39	ND	ND	844.14	838.95
FT-02	MW02	Round 2	4.27	22.15	ND	ND	843.02	838.75
FT-02	MW02	Round 3	5.65	21.74	ND	ND	843.02	837.37
FT-02	MW02	Round 4	4.36	24.88	ND	ND	843.02	838.66
FT-02	MW03	Round 1	5.94	17.7	10	5 - 15	843.45	837.51
FT-02	MW03	Round 2	3.77	17.70	10	5 - 15	843.45	839.68
FT-02	MW03	Round 3	5.84	17.06	10	5 - 15	843.45	837.61
FT-02	MW03	Round 4	4.51	17.52	10	5 - 15	843.45	838.94
FT-02	MW04	Round 1	6.68	17.33	10	5 - 15	844.59	837.91
FT-02	MW04	Round 2	5.97	17.41	10	5 - 15	844.59	838.62
FT-02	MW04	Round 3	6.52	17.12	10	5 - 15	844.59	838.07
FT-02	MW04	Round 4	5.42	17.28	10	5 - 15	844.59	839.17
FT-02	MW05	Round 1	6.41	17.36	10	5 - 15	844.25	837.84
FT-02	MW05	Round 2	5.36	17.45	10	5 - 15	844.25	838.89
FT-02	MW05	Round 3	5.86	17.17	10	5 - 15	844.25	838.39
FT-02	MW05	Round 4	5.32	17.42	10	5 - 15	844.25	838.93
FT-02	MW06	Round 1	5.34	17.56	10	5 - 15	843.79	838.45
FT-02	MW06	Round 2	5.10	17.54	10	5 - 15	843.79	838.69
FT-02	MW06	Round 3	5.89	17.25	10	5 - 15	843.79	837.90
FT-02	MW06	Round 4	5.04	17.40	10	5 - 15	843.79	838.75
FT-02	MW07	Round 1	6.74	16.12	10	3.5 - 11	845.13	838.39
FT-02	MW07	Round 2	7.15	16.10	10	3.5 - 11	845.13	837.98
FT-02	MW07	Round 3	6.35	15.80	10	3.5 - 11	845.13	838.78
FT-02	MW07	Round 4	6.19	15.99	10	3.5 - 11	845.13	838.94
FT-02	MW11	Round 1	86.92	NT	10	140 - 150	846.19	759.27
FT-02	MW11	Round 2	86.84	151.30	10	140 - 150	846.19	759.35
FT-02	MW11	Round 3	87.42	152.70	10	140 - 150	846.19	758.77
FT-02	MW11	Round 4	87.15	153.90	10	140 - 150	846.19	759.04
LF-03	MW01	Round 2	14.83	21.8	14	13.1 - 27.1	841.77	826.94
LF-03	MW01	Round 3	18.84	30.26	14	13.1 - 27.1	841.77	822.93
LF-03	MW01	Round 4	17.96	21.45	14	13.1 - 27.1	841.77	823.81
LF-03	MW02	Round 2	24.29	30.61	14	13.1 - 27.1	850.11	825.82
LF-03	MW02	Round 3	26.88	30.18	14	13.1 - 27.1	850.11	823.23
LF-03	MW02	Round 4	22.73	29.39	14	13.1 - 27.1	850.11	827.38
LF-03	MW03	Round 2	19.08	22.17	14	13.1 - 27.1	841.42	822.34
LF-03	MW03	Round 3	WA	WA	WA	WA	WA	WA

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Summary of Groundwater Elevations
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location	Well Number	Sample Event	Depth to Water (feet)	Total Depth (feet)	Screen Length (feet)	Screen Interval Depth (feet)	PVC Elevation (feet)	Water Elevation (feet)
LF-03	MW04	Round 2	Dry	34.17	14	13.1 - 27.1	848.76	Dry
LF-03	MW04	Round 3	WA	WA	WA	WA	WA	WA
LF-03	MW05	Round 2	21.72	25.90	14	13.1 - 27.1	844.09	822.37
LF-03	MW05	Round 3	24.08	30.30	14	13.1 - 27.1	844.09	820.01
LF-03	MW05	Round 4	25.10	25.24	14	13.1 - 27.1	844.09	818.99
LF-03	MW06	Round 2	Dry	22.73	14	13.1 - 27.1	845.31	Dry
LF-03	MW06	Round 3	WA	WA	WA	WA	WA	WA
LF-03	MW07	Round 2	22.72	25.75	14	13.1 - 27.1	846.15	823.43
LF-03	MW07	Round 3	23.64	30.29	14	13.1 - 27.1	846.15	822.51
LF-03	MW07	Round 4	22.05	25.26	14	13.1 - 27.1	846.15	824.10
LF-03	MW08	Round 1	16.72	28.7	10	16 - 26	835.96	819.24
LF-03	MW08	Round 2	12.97	28.70	10	16 - 26	835.96	822.99
LF-03	MW08	Round 3	17.12	28.34	10	16 - 26	835.96	818.84
LF-03	MW08	Round 4	12.21	28.47	10	16 - 26	835.96	823.75
LF-03	MW09	Round 2	NL	NL	ND	ND	NL	NL
LF-03	MW09	Round 3	NL	NL	ND	ND	NL	NL
LF-03	MW10	Round 1	NL	NL	10	21 - 31	843.37	NL
LF-03	MW10	Round 2	25.25	33.30	10	21 - 31	843.37	818.12
LF-03	MW10	Round 3	25.88	32.92	10	21 - 31	843.37	817.49
LF-03	MW10	Round 4	25.00	33.12	10	21 - 31	843.37	818.37
LF-03	MW11	Round 1	NL	NL	10	21 - 31	839.26	NL
LF-03	MW11	Round 2	22.82	33.50	10	21 - 31	839.26	816.44
LF-03	MW11	Round 3	22.64	33.20	10	21 - 31	839.26	816.62
LF-03	MW11	Round 4	21.14	32.25	10	21 - 31	839.26	818.12
LF-03	MW12	Round 1	23.51	33.14	10	21 - 31	838.61	815.10
LF-03	MW12	Round 2	23.19	33.15	10	21 - 31	838.61	815.42
LF-03	MW12	Round 3	23.82	32.88	10	21 - 31	838.61	814.79
LF-03	MW12	Round 4	23.28	32.96	10	21 - 31	838.61	815.33
LF-08	MW01	Round 1	5.89	18.6	4	8.1 - 12.1	828.89	823.00
LF-08	MW01	Round 2	8.92	16.00	4	8.1 - 12.1	828.89	819.97
LF-08	MW01	Round 3	6.28	18.32	4	8.1 - 12.1	828.89	822.61
LF-08	MW01	Round 4	5.79	18.00	4	8.1 - 12.1	828.89	823.10
LF-08	MW02	Round 1	2.06	10.5	4	4.1 - 8.1	820.47	818.41
LF-08	MW02	Round 2	1.54	10.50	4	4.1 - 8.1	820.47	818.93
LF-08	MW02	Round 3	2.32	10.20	4	4.1 - 8.1	820.47	818.15
LF-08	MW02	Round 4	1.01	10.20	4	4.1 - 8.1	820.47	819.46

Table 2
Summary of Groundwater Elevations
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location	Well Number	Sample Event	Depth to Water (feet)	Total Depth (feet)	Screen Length (feet)	Screen Interval Depth (feet)	PVC Elevation (feet)	Water Elevation (feet)
ST-26	MW04	Round 3	11.98	19.15	5	14.8-19.8	859.92	847.94
ST-26	MW04	Round 4	10.45	19.15	5	14.8-19.8	859.92	849.47
ST-26	MW05	Round 3	12.12	19.31	5	14.8-19.8	860.16	848.04
ST-26	MW05	Round 4	10.10	19.33	5	14.8-19.8	860.16	850.06
ST-26	MW06	Round 3	14.16	19.08	5	14.5-19.5	859.90	845.74
ST-26	MW06	Round 4	9.84	19.09	5	14.5-19.5	859.90	850.06

NOTES

ND - Data is not available.

NL - Well was not located.

WA - Well was abandoned.

NT- Water level not taken.

Round 1 Measuring Dates

All water levels measured on 28-29 September 1999 except for monitoring well MW16 at LF-08 measured on 4 October 1999.

Round 2 Measuring Dates

Water levels at Sites FT-02 and ST-26 measured on 27 March 2000.
Water levels at Sites LF-08, SS-15, and SS-30 measured on 28 March 2000.
Water levels at Site LF-03 measured on 29 March 2000.
Water levels at Sites OT-22 and OT-23 measured on 1 April 2000.

Round 3 Measuring Dates

Water levels at Sites FT-02, OT-22 and OT-23 measured on 30 October 2000.
Water levels at Site SS-30 measured on 1 November 2000.
Water levels at Site SS-15 measured on 4 November 2000.
Water levels at Site LF-03 measured on 3 November 2000.
Water levels at Site LF-08 wells MW21 - MW26 measured on 7 November 2000.
Water levels at Site ST-26 wells MW01 - MW03 measured on 8 November 2000.
Water levels at Site ST-26 wells MW04 - MW06 measured on 14 December 2000.
Water levels at Site LF-08 wells MW01, MW02, MW04 - MW20 measured on 31 October 2000.

Round 4 Measuring Dates

Water levels at Sites FT-02, LF-08 and SS-30 measured on 2 April 2001.
Water levels at Site LF-03 measured on 4 April 2001.
Water levels at Site SS-15 and ST-26 measured on 5 April 2001.
Water levels at Site OT-22 and OT-23 measured on 6 April 2001.

Table 3
Summary of Groundwater Field Parameter Measurements
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Site FT-02

Monitoring Well	Date	DO (mg/L)	Temperature (oC)	pH (s.u.)	Conductivity* (S/m)	Turbidity (N.T.U.)	ORP (mV)
MW01	Oct-99	NS	NS	NS	NS	NS	NS
	Mar-00	9.42	14.10	7.15	125.0	990	198
	Oct-00	5.80	16.51	7.04	105.0	117.0	91
	Apr-01	1.70	11.40	8.45	129.0	250.0	558
MW02	Oct-99	NS	NS	NS	NS	NS	NS
	Mar-00	1.34	12.03	7.03	111.0	200.0	186
	Oct-00	7.18	17.17	7.08	100.0	57.2	153
	Apr-01	1.30	11.90	8.38	93.90	230.0	386
MW03	Oct-99	2.90	15.80	6.90	1207.0	16.0	327
	Mar-00	8.47	13.72	6.81	112.0	380.0	177
	Oct-00	10.48	18.20	7.01	106.0	154.0	73
	Apr-01	1.60	11.90	8.05	108.0	990.0	501
MW04	Oct-99	6.47	17.64	6.08	1247.0	65.7	393
	Mar-00	7.58	13.77	6.65	133.0	140.0	134
	Oct-00	6.29	17.26	5.94	120.0	200.0	6.29
	Apr-01	7.50	9.80	7.20	132.0	68.0	574
MW05	Oct-99	3.39	19.66	6.76	1358.0	0.0	107
	Mar-00	0.00	13.44	6.75	137.0	32.0	-101
	Oct-00	9.85	20.13	6.80	126.0	15.9	-130
	Apr-01	7.40	10.10	7.25	233.0	99.0	5.76
MW06	Oct-99	1.34	18.66	5.97	2522.0	26.9	287
	Mar-00	9.52	13.09	6.34	277.0	340.0	234
	Oct-00	11.64	20.42	6.29	231.0	70.9	189
	Apr-01	0.20	10.00	8.00	33.4	41.0	265
MW07	Oct-99	2.30	16.20	5.90	1566.0	25.0	359
	Mar-00	10.31	13.50	6.41	168.0	180.0	103
	Oct-00	12.45	19.05	6.00	134.0	172.0	158
	Apr-01	10.50	11.20	7.47	138.0	990.0	525
MW11	Oct-99	1.50	13.90	10.20	2334.0	45.0	355
	Mar-00	7.01	15.89	9.73	183.0	230.0	-20
	Oct-00	2.91	15.93	9.89	187.0	235.0	-95
	Apr-01	0.60	15.10	12.17	209.0	410.0	275

Site LF-03

Monitoring Well	Date	DO (mg/L)	Temperature (oC)	pH (s.u.)	Conductivity* (S/m)	Turbidity (N.T.U.)	ORP (mV)
MW02	Oct-99	NR	NR	NR	NR	NR	NR
	Mar-00	1.21	14.44	5.71	97.0	210	-18
	Oct-00	10.23	17.47	6.24	66.5	999	36
	Apr-01	10.50	13.80	8.33	66.1	990	516
MW08	Oct-99	7.39	21.65	6.94	0.0	1	557
	Mar-00	1.27	15.37	6.44	47.9	100	124
	Oct-00	2.37	19.32	6.68	41.8	210	47
	Apr-01	1.20	13.40	7.69	38.2	210	386
MW10	Oct-99	NS	NS	NS	NS	NS	NS
	Mar-00	5.58	14.54	5.29	30.0	140	168
	Oct-00	10.70	14.17	6.49	22.5	100	87
	Apr-01	7.40	14.60	7.44	25.3	48	481
MW11	Oct-99	NS	NS	NS	NS	NS	NS
	Mar-00	1.18	16.67	6.56	78.8	570	210
	Oct-00	13.93	15.01	6.90	64.1	240	229
	Apr-01	1.70	14.60	7.89	64.2	-10	420
MW12	Oct-99	13.58	15.28	7.02	1033.0	117	386
	Mar-00	8.26	14.36	7.03	117.0	120	172
	Oct-00	9.00	16.00	7.09	88.8	81	195
	Apr-01	7.31	14.10	6.89	10.3	102	194

sm/dmd/sw/jmf
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Table 4
Summary of Groundwater Detections and Exceedances
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location ID:	GTARC	USEPA	MDNR	FT02-MW01		FT02-MW01		FT02-MW01		FT02-MW02		FT02-MW02	
Sample Date:				03/29/00		10/30/00		04/03/01		03/28/00		10/30/00	
Sample Event:				Round 2		Round 3		Round 4		Round 2		Round 3	
Sample Type:				Normal		Normal		Normal		Normal		Normal	
				Result	RC	Result	RC	Result	RC	Result	RC	Result	RC
Metals (mg/L)													
Aluminum	NA	0.05	0.05	NS		4.25		33.6		NS		50.8	
Arsenic	0.05	0.05	0.05	NS		U		0.0212 B	a	NS		0.0265	
Barium	2.00	2.00	2.00	NS		0.0632		0.28		NS		0.511	
Beryllium	0.004	0.004	0.004	U		U		0.0017 F	m	0.0005 F	m	0.0019 F	m
Cadmium	0.005	0.005	0.005	U		U		U		U		0.0008 F	m
Chromium, total	0.1	0.1	0.1	U		0.0168		0.0762		U		0.18	
Iron	NA	0.3	0.3	1.48 J	g	7.7		83.2		2.58 J	g	104	
Lead	0.015	0.015	NA	U		U		0.0081		0.0015 F	m	0.0213	
Manganese	0.05	0.05	0.05	0.469		0.469		2.09		1.41		54	
Molybdenum	0.04	NA	NA	U		0.0021 BF	am	0.0019 BF	am	U		0.0084	
Nickel	0.1	0.1	NA	U		0.0188		0.091		U		0.185	
Selenium	0.05	0.05	0.05	U		0.0042 BF	am	0.0031 BF	am	U		0.0115 B	a
Thallium[a]	0.002	0.002	0.002	U		U		U		U		U	
Vanadium	NA	NA	NA	NS		0.0062 F	m	0.0517		NS		0.0708	
Total Petroleum Hydrocarbons (mg/L)													
TPH-d	NA	NA	NA	NS		NS		NS		NS		NS	
Pesticides (ug/L)													
Heptachlor	0.4	0.4	0.4	NS		NS		NS		NS		NS	
Volatile Organic Compounds (ug/L)													
1,1,1-Trichloroethane	200	200	200	U		U		U		U		U	
1,1,2-Trichloroethane	5	5	5	U		U		U		U		U	
1,1-Dichloroethene	7	7	7	U		U		U		U		U	
1,2,4-Trimethylbenzene	NA	NA	NA	U		U		U		U		U	
1,2-Dichloroethane	5	5	5	U		U		U		U		U	
1,2-Dichlorobenzene	600	600	NA	U		U		U		U		U	
1,3,5-trimethylbenzene	NA	NA	NA	U		U		U		U		U	
2-Butanone	NA	NA	NA	U		<100 R	i	U		U		<100 R	i
4-Methyl-2-pentanone	NA	NA	NA	U		U		U		U		U	
Acetone	4000	NA	NA	U		<130 R	i	<130 R	I	U		<130 R	i
Benzene	5	5	5	U		U		U		U		U	
Carbon tetrachloride	5	5	5	U		U		U		U		U	
Chloroform	100	100	NA	U		U		U		U		U	
cis-1,2-Dichloroethylene	70	70	NA	U		U		U		U		U	
Dichlorodifluoromethane	NA	NA	NA	U		U		U		U		U	
Ethylbenzene	320	700	700	U		U		U		U		U	
Isopropylbenzene (Cumene)	NA	NA	NA	U		U		U		U		U	
m,p-Xylene	NA	NA	NA	U		U		U		U		U	
Methylene chloride	5	NA	NA	U		U		U		U		U	
N-butylbenzene	NA	NA	NA	U		U		U		U		U	
N-propylbenzene	NA	NA	NA	U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U	
o-Xylene	NA	NA	NA	U		U		U		U		U	
P-cymene (p-isopropyltoluene)	NA	NA	NA	U		U		U		U		U	
Sec-butylbenzene	NA	NA	NA	U		U		U		U		U	
Tetrachloroethylene (PCE)	5	5	NA	U		U		U		U		U	
Toluene	150	1000	1000	U		U		U		U		U	
trans-1,2-Dichloroethene	100	NA	100	U		U		U		U		U	
Trichloroethylene (TCE)	5	5	5	U		U		U		U		U	
Trichlorofluoromethane	NA	NA	NA	U		U		U		U		U	
Vinyl chloride	2	2	2	U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)													
2,4-Dimethylphenol	700	NA	NA	U		U		U		U		U	
2-Methylnaphthalene	NA	NA	NA	U		U		U		U		U	
Acenaphthene	2000	NA	NA	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	6	NA	NA	3.2 FJ	b,m	U		U		U		U	
Di-n-butyl phthalate	NA	NA	NA	U		U		U		U		U	
Fluoranthene	1000	NA	NA	U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U	
Phenanthrene	NA	NA	NA	U		U		U		U		U	
Phenol	4000	NA	NA	U		U		U		U		U	
Pyrene	1000	NA	NA	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)													
Anthracene	10000	NA	NA	NS		NS		NS		NS		NS	
Fluoranthene	1000	NA	NA	NS		NS		NS		NS		NS	
Fluorene	1000	NA	NA	NS		NS		NS		NS		NS	
Phenanthrene	NA	NA	NA	NS		NS		NS		NS		NS	
Pyrene	1000	NA	NA	NS		NS		NS		NS		NS	

Location ID:	FT02-MW02		FT02-MW03		FT02-MW03		FT02-MW03		FT02-MW03	
Sample Date:	04/03/01		10/02/99		03/31/00		10/30/00		04/03/01	
Sample Event:	Round 4		Round 1		Round 2		Round 3		Round 4	
Sample Type:	Normal		Normal		Normal		Normal		Normal	
	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC
Metals (mg/L)										
Aluminum	12.6		NS		NS		2.01		4.11	
Arsenic	0.0094 B	a	NS		NS		0.0036 BF	am	0.0062 B	a
Barium	0.16		NS		NS		0.049		0.0538	
Beryllium	0.0004 BF	am	U		U		U		0.0001 BF	am
Cadmium	0.0007 BF	m	0.0026 F	m	U		U		U	
Chromium, total	0.118		0.0177 F	m	U		0.035		0.0267	
Iron	26.9		0.4		0.52		4.36		8.92	
Lead	0.0085		U		U		U		0.0015 F	m
Manganese	0.617		0.786		0.591		0.947		0.368	
Molybdenum	0.0028 BF	am	U		U		0.0043 BF	am	0.0008 BF	am
Nickel	0.0772		0.015 F	m	U		0.0332		0.0241	
Selenium	U		U		U		0.0045 BF	am	U	
Thallium[a]	U		0.001 BF	a,m	U		U		U	
Vanadium	0.0179		NS		NS		0.0049 F	m	0.007 F	m
Total Petroleum Hydrocarbons (mg/L)										
TPH-d	NS		NS		NS		NS		NS	
Pesticides (ug/L)										
Heptachlor	NS		NS		NS		NS		NS	
Volatile Organic Compounds (ug/L)										
1,1,1-Trichloroethane	U		U		U		U		U	
1,1,2-Trichloroethane	U		U		U		U		U	
1,1-Dichloroethene	U		U		U		U		U	
1,2,4-Trimethylbenzene	U		U		U		U		U	
1,2-Dichloroethane	U		U		U		U		U	
1,2-Dichlorobenzene	U		U		U		U		U	
1,3,5-trimethylbenzene	U		U		U		U		U	
2-Butanone	U		U		U		<100 R	i	U	
4-Methyl-2-pentanone	U		U		U		U		U	
Acetone	U		U		U		<130 R	i	U	
Benzene	U		U		U		U		U	
Carbon tetrachloride	U		U		U		U		U	
Chloroform	U		U		U		U		U	
cis-1,2-Dichloroethylene	U		U		U		U		U	
Dichlorodifluoromethane	U		U		U		U		U	
Ethylbenzene	U		U		U		U		U	
Isopropylbenzene (Cumene)	U		U		U		U		U	
m,p-Xylene	U		U		U		U		U	
Methylene chloride	U		U		U		U		U	
N-butylbenzene	U		U		U		U		U	
N-propylbenzene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
o-Xylene	U		U		U		U		U	
P-cymene (p-isopropyltoluene)	U		U		U		U		U	
Sec-butylbenzene	U		U		U		U		U	
Tetrachloroethylene (PCE)	U		U		U		U		U	
Toluene	U		U		U		U		U	
trans-1,2-Dichloroethene	U		U		U		U		U	
Trichloroethylene (TCE)	U		U		U		U		U	
Trichlorofluoromethane	U		U		U		U		U	
Vinyl chloride	U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)										
2,4-Dimethylphenol	U		U		U		U		U	
2-Methylnaphthalene	U		U		U		U		U	
Acenaphthene	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	U		U		U		U		U	
Di-n-butyl phthalate	U		U		U		U		U	
Fluoranthene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
Phenanthrene	U		U		U		U		U	
Phenol	U		U		U		U		U	
Pyrene	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)										
Anthracene	NS		NS		NS		NS		NS	
Fluoranthene	NS		NS		NS		NS		NS	
Fluorene	NS		NS		NS		NS		NS	
Phenanthrene	NS		NS		NS		NS		NS	
Pyrene	NS		NS		NS		NS		NS	

Location ID:	FT02-MW04		FT02-MW04		FT02-MW04		FT02-MW04		FT02-MW05	
Sample Date:	10/03/99		03/30/00		10/30/00		04/02/01		10/03/99	
Sample Event:	Round 1		Round 2		Round 3		Round 4		Round 1	
Sample Type:	Normal		Normal		Normal		Normal		Normal	
	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC
Metals (mg/L)										
Aluminum	NS		NS		1.66		1.48		NS	
Arsenic	NS		NS		U		U		NS	
Barium	NS		NS		0.0234		0.0245		NS	
Beryllium	U		U		U		0.0002 BF	am	U	
Cadmium	U		U		U		U		U	
Chromium, total	0.0139 F	m	U		0.0082 B	k	0.0063		U	
Iron	4.79		0.619 J	g	1.89		1.99		7.05	
Lead	U		U		U		0.0031 F	m	U	
Manganese	0.0301 F	m	0.0188 F	m	0.0155 B	k	0.0193		3.28	
Molybdenum	U		U		0.0026 BF	am	0.0033 BF	am	U	
Nickel	0.0125 F	m	U		0.0081 B	k	0.0059		U	
Selenium	0.0694 M	c	0.0431		0.036		0.0266		0.004 FM	c,m
Thallium[a]	U		U		U		0.002 B	a	0.0015 BF	a,m
Vanadium	NS		NS		0.0018 F	m	0.003 BF	am	NS	
Total Petroleum Hydrocarbons (mg/L)										
TPH-d	NS		NS		NS		NS		NS	
Pesticides (ug/L)										
Heptachlor	NS		NS		NS		NS		NS	
Volatile Organic Compounds (ug/L)										
1,1,1-Trichloroethane	U		U		U		U		U	
1,1,2-Trichloroethane	U		U		U		U		U	
1,1-Dichloroethene	U		U		U		U		U	
1,2,4-Trimethylbenzene	U		U		U		U		490 D	
1,2-Dichloroethane	U		U		U		U		U	
1,2-Dichlorobenzene	U		U		U		U		U	
1,3,5-trimethylbenzene	U		U		U		U		110 D	
2-Butanone	U		U		<100 R	i	U		U	
4-Methyl-2-pentanone	U		U		U		U		U	
Acetone	U		U		<130 R	i	U		U	
Benzene	U		U		U		U		3400 D	
Carbon tetrachloride	U		U		U		U		U	
Chloroform	U		U		U		U		U	
cis-1,2-Dichloroethylene	U		U		U		U		U	
Dichlorodifluoromethane	U		U		U		U		U	
Ethylbenzene	U		U		U		U		1100 D	
Isopropylbenzene (Cumene)	U		U		U		U		130 D	
m,p-Xylene	U		U		U		U		240 D	
Methylene chloride	U		U		U		U		U	
N-butylbenzene	U		U		U		U		33 J	b
N-propylbenzene	U		U		U		U		180 D	
Naphthalene	U		U		U		U		80 DF	m
o-Xylene	U		U		U		U		140 D	
P-cymene (p-isopropyltoluene)	U		U		U		U		18 J	b
Sec-butylbenzene	U		U		U		U		32 J	b
Tetrachloroethylene (PCE)	U		U		U		U		U	
Toluene	U		U		U		U		25 J	b
trans-1,2-Dichloroethene	U		U		U		U		U	
Trichloroethylene (TCE)	U		U		U		U		U	
Trichlorofluoromethane	U		U		U		U		U	
Vinyl chloride	U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)										
2,4-Dimethylphenol	U		U		U		U		1.54 F	m
2-Methylnaphthalene	U		U		U		U		18	
Acenaphthene	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	U		3.5 FJ	b,m	U		U		1.6 F	m
Di-n-butyl phthalate	U		U		U		U		U	
Fluoranthene	U		U		U		U		U	
Naphthalene	U		U		U		U		53.1	
Phenanthrene	U		U		U		U		U	
Phenol	U		U		U		U		17.3	
Pyrene	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)										
Anthracene	NS		NS		NS		NS		NS	
Fluoranthene	NS		NS		NS		NS		NS	
Fluorene	NS		NS		NS		NS		NS	
Phenanthrene	NS		NS		NS		NS		NS	
Pyrene	NS		NS		NS		NS		NS	

Table 4
Summary of Groundwater Detections and Exceedances
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	FT02-MW05		FT02-MW05		FT02-MW05		FT02-MW05		FT02-MW06		FT02-MW06		FT02-MW06		FT02-MW06		FT02-MW06		FT02-MW07		FT02-MW07		FT02-MW07		FT02-MW07		FT02-MW11		FT02-MW11	
			Sample Date:	03/30/00		10/30/00		04/03/01		04/03/01		10/03/99		03/31/00		10/30/00		10/30/00		04/03/01		10/03/99		03/31/00		10/30/00		04/02/01		10/03/99		03/30/00	
			Sample Event:	Round 2		Round 3		Round 4		Round 4		Round 1		Round 2		Round 3		Round 3		Round 4		Round 1		Round 2		Round 3		Round 4		Round 1		Round 2	
			Sample Type:	Normal		Normal		Normal		Duplicate		Normal		Normal		Normal		Duplicate		Normal		Normal		Normal		Normal		Normal		Normal		Normal	
	GTARC	USEPA	MDNR	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC	Result	RC
Metals (mg/L)																																	
Aluminum	NA	0.05	0.05	NS		0.0496 BF	km	1.92		2.12		NS		NS		1.64		1.53		0.089		NS		NS		3.89		10		NS		NS	
Arsenic	0.05	0.05	0.05	NS		0.0038 BF	am	U		U		NS		NS		U		0.0025 BF	am	0.0052 B	a	NS		NS		U		0.0084 B	a	NS		NS	
Barium	2.00	2.00	2.00	NS		0.185		0.0173		0.018		NS		NS		0.0165		0.0166		0.0807		NS		NS		0.105		0.165		NS		NS	
Beryllium	0.004	0.004	0.004	U		U		U		U		U		0.0006 F	m	U		U		U		U		U		U		0.0007 BF	am	U		U	
Cadmium	0.005	0.005	0.005	U		U		U		U		U		U		U		U		U		0.0031 F	m	U		U		U		U		U	
Chromium, total	0.1	0.1	0.1	U		0.0014 BF	km	0.0037 F	m	0.0039 F	m	0.0136 F	m	0.0117 F	m	0.0057 B	k	0.0058 B	k	0.0017 BF	am	0.006 F	m	0.0068 F	m	0.0105 B	k	0.0282		0.0421 F	m	U	
Iron	NA	0.3	0.3	1.78 J	g	5.07		2.59		2.91		2.58		1.94		1.87		1.71		1.24		0.234		2.51		4.72		14		1.61		1.91 J	g
Lead	0.015	0.015	NA	U		U		U		0.001 F	m	U		0.0021 F	m	U		U		U		U		0.0014 F	m	0.0026 F	m	0.0095		U		0.004 F	m
Manganese	0.05	0.05	0.05	2.07		2.68		0.0377		0.0406		0.138		0.433		0.0377		0.0392		0.309		0.0097 F	m	0.294		0.0548		[illegible]		0.014 F	m	0.028 F	m
Molybdenum	0.04	NA	NA	U		U		U		U		U		0.0038 F	m	U		U		0.0018 BF	am	U		U		U		0.001 BF	am	U		U	
Nickel	0.1	0.1	NA	U		U		0.0092		0.0095		0.0171 F	m	U		0.0119		0.012		0.0026 BF	am	0.0076 F	m	U		0.0122		0.0226		0.0386 F	m	U	
Selenium	0.05	0.05	0.05	U		0.0037 BF	am	U		U		U		U		U		0.0026 BF	am	U		0.0039 FM	c,m	U		0.0053 BF	am	U		U		U	
Thallium(a)	0.002	0.002	0.002	U		U		0.0018 BF	am	0.0006 BF	am	U		U		U		U		0.0011 BF	am	U		U		U		0.0005 BF	am	0.0013 BF	a,m	U	
Vanadium	NA	NA	NA	NS		U		0.0031 F	m	0.003 BF	m	NS		NS		0.0023 F	m	0.0019 F	m	0.0012 BF	am	NS		NS		0.0049 F	m	0.0123		NS		NS	
Total Petroleum Hydrocarbons (mg/L)																																	
TPH-d	NA	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Pesticides (ug/L)																																	
Heptachlor	0.4	0.4	0.4	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Volatile Organic Compounds (ug/L)																																	
1,1,1-Trichloroethane	200	200	200	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1,1,2-Trichloroethane	5	5	5	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1,1-Dichloroethene	7	7	7	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1,2,4-Trimethylbenzene	NA	NA	NA	120 DM	f	115		U		U		1.3		U		U		U		117		0.38 F	m	U		U		U		U		U	
1,2-Dichloroethane	5	5	5	U		45		U		U		U		U		U		U		6.3		U		U		U		U		U		U	
1,2-Dichlorobenzene	600	600	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
1,3,5-trimethylbenzene	NA	NA	NA	35		27		U		U		0.29 F	m	U		U		U		28		0.28 F	m	U		U		U		U		U	
2-Butanone	NA	NA	NA	U		2500 R	i	U		<100 R	i	U		U		<100 R	i	<100 R	i	U		U		U		<100 R	i	<100 R	i	U		U	
4-Methyl-2-pentanone	NA	NA	NA	U		U		U		U		U		U		U		U		0.44 F	m	U		U		U		U		U		U	
Acetone	4000	NA	NA	U		3300 R	i	U		<130 R	i	U		U		<130 R	i	<130 R	i	U		U		U		<130 R	i	<130 R	i	U		U	
Benzene	5	5	5	650 D		952		1.7		U		1.6		U		U		U		237		0.62		U		U		U		U		U	
Carbon tetrachloride	5	5	5	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Chloroform	100	100	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
cis-1,2-Dichloroethylene	70	70	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Dichlorodifluoromethane	NA	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Ethylbenzene	320	700	700	270 D		234		0.76		U		2.4		U		U		U		151		0.69		U		U		U		U		U	
Isopropylbenzene (Cumene)	NA	NA	NA	35		32.2		U		U		U		U		U		U		20		U		U		U		U		U		U	
m,p-Xylene	NA	NA	NA	57 DF	m	53.5		U		U		0.6 F	m	U		U		U		33.1		U		U		U		U		U		U	
Methylene chloride	5	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-butylbenzene	NA	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
N-propylbenzene	NA	NA	NA	42 D		41.8		U		U		0.38 F	m	U		U		U		29.1		U		U		U		U		U		U	
Naphthalene	20	NA	NA	25		15.5		U		U		0.32 F	m	U		U		U		12.8		U		U		U		U		U		U	
o-Xylene	NA	NA	NA	30		24.6 F	m	U		U		0.32 F	m	U		U		U		14.4		U		U		U		U		U		U	
P-cymene (p-isopropyltoluene)	NA	NA	NA	4.8		U		U		U		U		U		U		U		4.4		U		U		U		U		U		U	
Sec-butylbenzene	NA	NA	NA	13		11.1 F	m	U		U		U		U		U		U		6.8		U		U		U		U		U		U	
Tetrachloroethylene (PCE)	5	5	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Toluene	150	1000	1000	4.5		U		U		U		U		U		U		U		0.8 F	m	U		U		U		U		U		U	
trans-1,2-Dichloroethene	100	NA	100	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Trichloroethylene (TCE)	5	5	5	U		U		U		U		U		U		U		U		U		0.33 F	m	U		U		U		U		U	
Trichlorofluoromethane	NA	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Vinyl chloride	2	2	2	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)																																	
2,4-Dimethylphenol	700	NA	NA	U		1.4 F	m	U		U		U		U		U		U		U		U		U		U		U		U		U	
2-Methylnaphthalene	NA	NA	NA	2.3 FM	c,m	5.7 F	m	U		U		U		U		U		U		U		U		U		U		U		U		U	
Acenaphthene	2000	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	6	NA	NA	U		U		U		U		7.82 F	m	U		U		U		U		2.23 F	m	5.1 F	m	U		U		2.99 F	m	U	
Di-n-butyl phthalate	NA	NA	NA	3.8 F	m	U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Fluoranthene	1000	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Naphthalene	20	NA	NA	8 FJ	c,d,m	23.3		U		U		U		U		U		U		U		U		U		U		U		U		U	
Phenanthrene	NA	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Phenol	4000	NA	NA	U		5 F	m	U		U		U		U		U		U		U		U		U		U		U		U		U	
Pyrene	1000	NA	NA	U		U		U		U		U		U		U		U		U		U		U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)																																	
Anthracene	10000	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Fluoranthene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Fluorene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Phenanthrene	NA	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Pyrene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	

Table 4
Summary of Groundwater Detections and Exceedances
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location ID: / Sample Date: / Sample Event: / Sample Type:	GTARC	USEPA	MDNR	FT02-MW11 10/30/00 Round 3 Normal Result	RC	FT02-MW11 04/02/01 Round 4 Normal Result	RC	LF03-MW02 03/30/00 Round 2 Normal Result	RC	LF03-MW02 11/06/00 Round 3 Normal Result	RC	LF03-MW02 04/04/01 Round 4 Normal Result	RC	LF03-MW08 10/21/99 Round 1 Normal Result	RC	LF03-MW08 03/31/00 Round 2 Normal Result	RC
Metals (mg/L)																	
Aluminum	NA	0.05	0.05	1.89		1.01		NS		56.9		43.4 J	n	NS		NS	
Arsenic	0.05	0.05	0.05	0.0051 B	a	0.0072 B	a	NS		0.0239		0.0132 B	a	NS		NS	
Barium	2.00	2.00	2.00	0.2		0.425		NS		0.693		0.541		NS		NS	
Beryllium	0.004	0.004	0.004	U		U		U		0.0021		0.0015 BF	am	U		0.0002 FM	c,m
Cadmium	0.005	0.005	0.005	U		U		U		0.0008 F	m	U		U		U	
Chromium, total	0.1	0.1	0.1	0.0384		0.0592		U		0.09		0.0483 J	n	U		0.0071 FM	c,m
Iron	NA	0.3	0.3	2.02		1.73		6.06 M	c	68.4		48.7 J	n	0.5 J	n	0.586M	c
Lead	0.015	0.015	NA	0.0026 F	m	0.0023 F	m	U		0.0338		0.0187		U		U	
Manganese	0.05	0.05	0.05	0.0167		0.0172		1.52 M	c	1.17		0.688 J	n	0.164 J	n	0.0407 FM	c,m
Molybdenum	0.04	NA	NA	0.0081		0.0045 BF	am	U		0.0069 B	a	0.0015 BF	akm	U		0.0044 FM	c,m
Nickel	0.1	0.1	NA	0.0333		0.0368		U		0.0727		0.0415		U		U	
Selenium	0.05	0.05	0.05	0.0041 BF	am	U		U		0.0046 F	m	U		U		U	
Thallium[a]	0.002	0.002	0.002	U		0.0006 BF	am	U		U		U		U		U	
Vanadium	NA	NA	NA	0.0081 F	m	0.0048 F	m	NS		0.116		0.0807		NS		NS	
Total Petroleum Hydrocarbons (mg/L)																	
TPH-d	NA	NA	NA	NS		NS		U		U		0.21		U		U	
Pesticides (ug/L)																	
Heptachlor	0.4	0.4	0.4	NS		NS		U		U		U		U		U	
Volatile Organic Compounds (ug/L)																	
1,1,1-Trichloroethane	200	200	200	U		U		U		U		U		U		U	
1,1,2-Trichloroethane	5	5	5	U		U		U		U		U		U		U	
1,1-Dichloroethene	7	7	7	U		U		U		U		U		U		U	
1,2,4-Trimethylbenzene	NA	NA	NA	U		U		U		U		U		U		U	
1,2-Dichloroethane	5	5	5	U		U		U		U		U		U		U	
1,2-Dichlorobenzene	600	600	NA	U		U		U		U		U		U		U	
1,3,5-trimethylbenzene	NA	NA	NA	U		U		U		U		U		U		U	
2-Butanone	NA	NA	NA	<100 R	i	5.2 F	m	U		<100 R	i	<100 R	i	U		U	
4-Methyl-2-pentanone	NA	NA	NA	U		U		U		U		U		U		U	
Acetone	4000	NA	NA	<130 R	i	10.1 R	i	U		<130 R	i	<130 R	i	U		U	
Benzene	5	5	5	U		U		U		U		U		U		U	
Carbon tetrachloride	5	5	5	U		U		U		U		U		U		U	
Chloroform	100	100	NA	U		U		U		U		U		U		U	
cis-1,2-Dichloroethylene	70	70	NA	U		U		U		U		U		U		U	
Dichlorodifluoromethane	NA	NA	NA	U		U		3.6 R	i	3.5		2.3		U		U	
Ethylbenzene	320	700	700	U		U		U		U		U		U		U	
Isopropylbenzene (Cumene)	NA	NA	NA	U		U		U		U		U		U		U	
m,p-Xylene	NA	NA	NA	U		U		U		U		U		U		U	
Methylene chloride	5	NA	NA	U		U		U		0.54 BF	km	U		U		U	
N-butylbenzene	NA	NA	NA	U		U		U		U		U		U		U	
N-propylbenzene	NA	NA	NA	U		U		U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U		U		U	
o-Xylene	NA	NA	NA	U		U		U		U		U		U		U	
P-cymene (p-isopropyltoluene)	NA	NA	NA	U		U		U		U		U		U		U	
Sec-butylbenzene	NA	NA	NA	U		U		U		U		U		U		U	
Tetrachloroethylene (PCE)	5	5	NA	U		U		U		U		U		U		U	
Toluene	150	1000	1000	U		0.32 F	m	U		U		U		U		U	
trans-1,2-Dichloroethene	100	NA	100	U		U		U		U		U		U		U	
Trichloroethylene (TCE)	5	5	5	U		U		U		U		U		U		U	
Trichlorofluoromethane	NA	NA	NA	U		U		U		U		U		U		U	
Vinyl chloride	2	2	2	U		U		U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)																	
2,4-Dimethylphenol	700	NA	NA	U		U		U		U		U		U		U	
2-Methylnaphthalene	NA	NA	NA	U		U		U		U		U		U		U	
Acenaphthene	2000	NA	NA	U		U		U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	6	NA	NA	U		U		4.2 F	m	U		U		38.6		U	
Di-n-butyl phthalate	NA	NA	NA	U		U		U		U		U		U		U	
Fluoranthene	1000	NA	NA	U		U		U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U		U		U	
Phenanthrene	NA	NA	NA	U		U		U		U		U		U		U	
Phenol	4000	NA	NA	U		U		U		U		U		U		U	
Pyrene	1000	NA	NA	U		U		U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)																	
Anthracene	10000	NA	NA	NS		NS		NS		NS		NS		NS		NS	
Fluoranthene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS	
Fluorene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS	
Phenanthrene	NA	NA	NA	NS		NS		NS		NS		NS		NS		NS	
Pyrene	1000	NA	NA	NS		NS		NS		NS		NS		NS		NS	

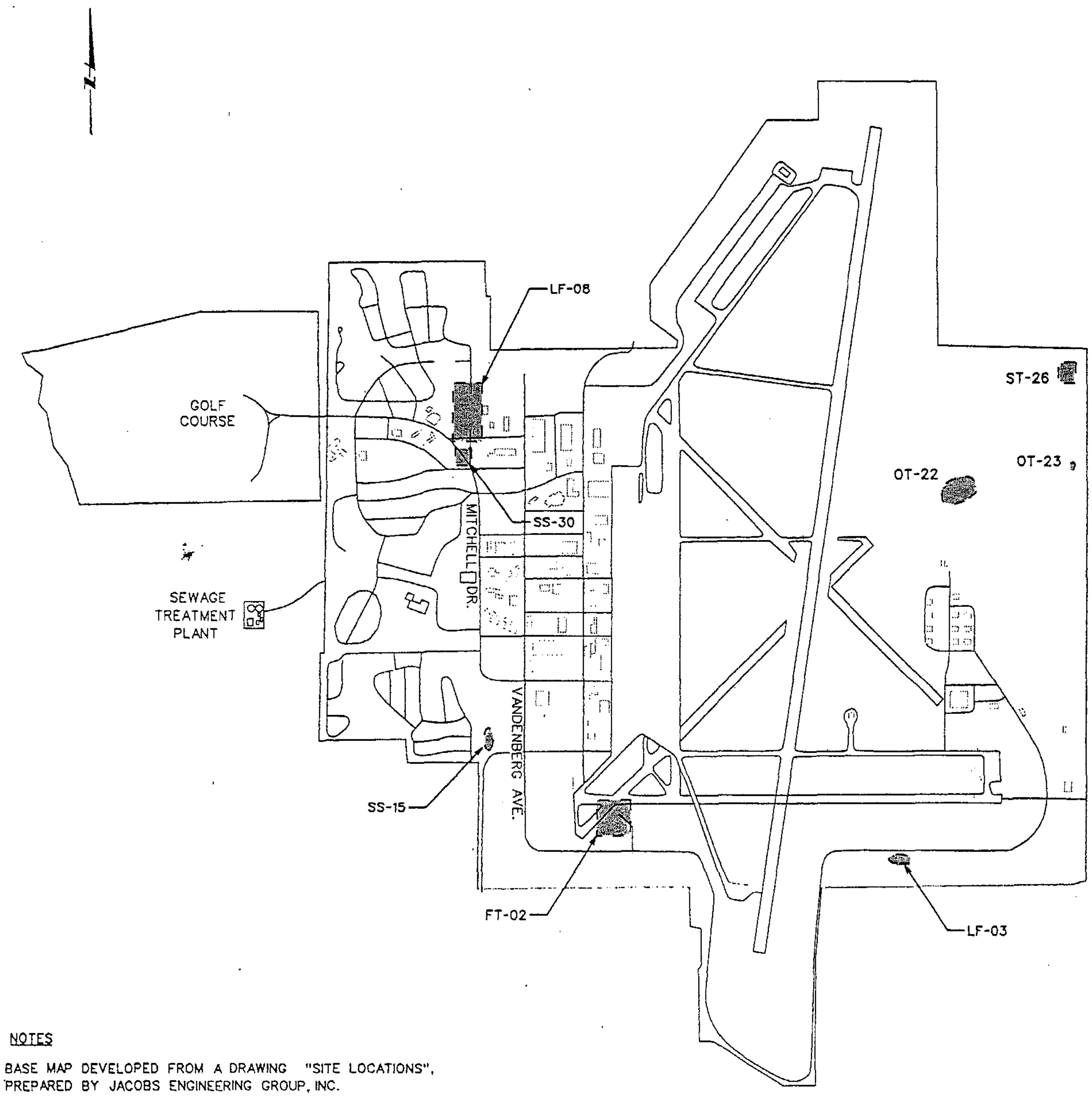
Location ID: / Sample Date: / Sample Event: / Sample Type:	LF03-MW08 11/04/00 Round 3 Normal Result	RC	LF03-MW08 04/04/01 Round 4 Normal Result	RC	LF03-MW10 04/04/00 Round 2 Normal Result	RC	LF03-MW10 11/04/00 Round 3 Normal Result	RC	LF03-MW10 04/05/01 Round 4 Normal Result	RC	LF03-MW11 04/05/00 Round 2 Normal Result	RC	LF03-MW11 10/04/00 Round 3 Normal Result	RC	LF03-MW11 11/03/00 Round 3 Duplicate Result	RC
Metals (mg/L)																
Aluminum	4.56		1.62 J	n	NS		4.26		0.99 J	n	NS		1.69		1.97	
Arsenic	0.0037 F	m	U		NS		U		U		NS		U		0.0032 F	m
Barium	0.142		0.118		NS		0.155		0.143		NS		0.199		0.198	
Beryllium	U		0.0001 BF	am	U		U		U		0.0002 F	m	U		U	
Cadmium	U		U		U		U		U		U		U		U	
Chromium, total	0.0674		0.0038 FBJ	knm	0.0031 F	m	0.0245		0.004 BF	km	0.0071 F	m	0.0068		0.0123	
Iron	5.98		2.34 J	n	0.458		5.16		1.22 J	n	1.38		1.92		2.04	
Lead	0.0051		0.0021 BF	am	U		0.0018 F	m	U		U		U		U	
Manganese	0.215		0.0281 J	n	0.103		0.0664		0.026		0.0546		0.0343		0.0348	
Molybdenum	0.0131		0.0015 BF	akm	0.0036 F	m	0.0034 BF	am	0.0009 BF	akm	U		U		U	
Nickel	0.0615		0.0039 BF	akm	U		0.0162		0.0049 BF	akm	U		0.0043 F	m	0.0081	
Selenium	U		U		U		U		U		U		0.0035 F	m	0.0044 F	m
Thallium[a]	U		0.0007 BF	akm	U		U		0.0011 BF	akm	U		U		U	
Vanadium	0.0086 F	m	0.0034 BF	am	NS		0.0099 F	m	0.0024 BF	am	NS		0.0031 F	m	0.0036 F	m
Total Petroleum Hydrocarbons (mg/L)																
TPH-d	U		0.027F	m	0.13 F	m	U		U		0.17 F	m	U		U	
Pesticides (ug/L)																
Heptachlor	U		U		U		U		U		U		U		U	
Volatile Organic Compounds (ug/L)																
1,1,1-Trichloroethane	U		U		U		U		U		U		U		U	
1,1,2-Trichloroethane	U		U		U		U		U		U		U		U	
1,1-Dichloroethene	U		U		U		U		U		U		U		U	
1,2,4-Trimethylbenzene	U		U		U		U		U		U		U		U	
1,2-Dichloroethane	U		U		U		U		U		U		U		U	
1,2-Dichlorobenzene	U		U		U		U		U		U		U		U	
1,3,5-trimethylbenzene	U		U		U		U		U		U		U		U	
2-Butanone	<100 R	i	<100 R	i	U		<100 R	i	<100 R	i	U		<100 R	i	<100 R	i
4-Methyl-2-pentanone	U		U		U		U		U		U		U		U	
Acetone	<130 R	i	<130 R	i	U		<130 R	i	<130 R	i	U		<130 R	i	<130 R	i
Benzene	U		U		U		U		U		U		U		U	
Carbon tetrachloride	U		U		U		U		U		U		U		U	
Chloroform	U		U		U		U		U		U		U		U	
cis-1,2-Dichloroethylene	U		U		U		U		U		U		U		U	
Dichlorodifluoromethane	0.46 F	m	0.57 F	m	U		U		U		U		U		U	
Ethylbenzene	U		U		U		U		U		U		U		U	
Isopropylbenzene (Cumene)	U		U		U		U		U		U		U		U	
m,p-Xylene	U		U		U		U		U		U		U		U	
Methylene chloride	0.78 BF	km	U		U		0.88 BF	km	U		U		1.1 BF	km	0.68 BF	km
N-butylbenzene	U		U		U		U		U		U		U		U	
N-propylbenzene	U		U		U		U		U		U		U		U	
Naphthalene	U		U		U		U		U		U		U		U	
o-Xylene	U		U		U		U		U		U		U		U	
P-cymene (p-isopropyltoluene)	U		U		U		U		U		U		U		U	
Sec-butylbenzene	U		U		U		U		U		U		U		U	
Tetrachloroethylene (PCE)	U		U		U		U		U		U		U		U	
Toluene	U		U		U		U		U		U		U		U	
trans-1,2-Dichloroethene	U		U		U		U		U		U		U		U	
Trichloroethylene (TCE)	U		U		U		U		U		U		U		U	
Trichlorofluoromethane	U		U		U		U		U		U		U		U	
Vinyl chloride	U		U		U		U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)																
2,4-Dimethylphenol	U		U		U		U		U		U		U		U	
2-Methylnaphthalene	U		U		U		U		U		U		U		U	
Acenaphthene	U		U		U		U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	U		U		13		U		U		U		U		U	
Di-n-butyl phthalate	U		U		U		U		U		U		U		U	
Fluoranthene	U		U		U		U		U		U		U		U	
Naphthalene	U		U		U		U		U		U		U		U	
Phenanthrene	U		U		U		U		U		U		U		U	
Phenol	U		U		U		U		U		U		U		U	
Pyrene	U		U		U		U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)																
Anthracene	NS		NS		NS		NS		NS		NS		NS		NS	
Fluoranthene	NS		NS		NS		NS		NS		NS		NS		NS	
Fluorene	NS		NS		NS		NS		NS		NS		NS		NS	
Phenanthrene	NS		NS		NS		NS		NS		NS		NS		NS	
Pyrene	NS		NS		NS		NS		NS		NS		NS		NS	

Table 4
Summary of Groundwater Detections and Exceedances
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

Location ID: / Sample Date: / Sample Event: / Sample Type:	GTARC	USEPA	MDNR	LF03-MW11 04/04/01 Round 4 Normal Result	RC	LF03-MW11 04/04/01 Round 4 Duplicate Result	RC	LF03-MW12 10/21/99 Round 1 Normal Result	RC	LF03-MW12 04/03/00 Round 2 Normal Result	RC	LF03-MW12 04/03/00 Round 2 Duplicate Result	RC
Metals (mg/L)													
Aluminum	NA	0.05	0.05	0.327 J	n	0.223 J	n	NS		NS		NS	
Arsenic	0.05	0.05	0.05	U		U		NS		NS		NS	
Barium	2.00	2.00	2.00	0.187		0.186		NS		NS		NS	
Beryllium	0.004	0.004	0.004	U		U		U		U		U	
Cadmium	0.005	0.005	0.005	U		U		U		U		U	
Chromium, total	0.1	0.1	0.1	0.0053 BJ	kn	0.0028 FBJ	kmn	0.0108 F	m	0.0072 F	m	0.0069 F	m
Iron	NA	0.3	0.3	0.473 J	n	0.268 BJ	kn	2.39 J	n	0.272 J	n	0.522 J	n
Lead	0.015	0.015	NA	U		U		U		U		U	
Manganese	0.05	0.05	0.05	0.0078 J	n	0.0045 BJ	akn	0.0339 F	m,n	0.0364 F	m	0.11	
Molybdenum	0.04	NA	NA	0.0006 BF	akm	U		U		U		0.0037 F	m
Nickel	0.1	0.1	NA	0.0025 BF	akm	0.0011 BF	akm	0.012 F	m	U		U	
Selenium	0.05	0.05	0.05	0.0035 BF	km	0.0031 BF	km	0.0164 FM	c,g,n	0.0099 F	m	0.0145 F	m
Thallium[a]	0.002	0.002	0.002	U		U		U		U		U	
Vanadium	NA	NA	NA	0.0013 BF	am	0.0006 BF	am	NS		NS		NS	
Total Petroleum Hydrocarbons (mg/L)													
TPH-d	NA	NA	NA	U		U		U		U		U	
Pesticides (ug/L)													
Heptachlor	0.4	0.4	0.4	U		U		U		U		U	
Volatile Organic Compounds (ug/L)													
1,1,1-Trichloroethane	200	200	200	U		U		U		U		U	
1,1,2-Trichloroethane	5	5	5	U		U		U		U		U	
1,1-Dichloroethene	7	7	7	U		U		U		U		U	
1,2,4-Trimethylbenzene	NA	NA	NA	U		U		U		U		U	
1,2-Dichloroethane	5	5	5	U		U		U		U		U	
1,2-Dichlorobenzene	600	600	NA	U		U		U		U		U	
1,3,5-trimethylbenzene	NA	NA	NA	U		U		U		U		U	
2-Butanone	NA	NA	NA	<100 R	i	<100 R	i	U		U		U	
4-Methyl-2-pentanone	NA	NA	NA	U		U		U		U		U	
Acetone	4000	NA	NA	<130 R	i	<130 R	i	U		U		U	
Benzene	5	5	5	U		U		U		U		U	
Carbon tetrachloride	5	5	5	U		U		U		U		U	
Chloroform	100	100	NA	U		U		U		U		U	
cis-1,2-Dichloroethylene	70	70	NA	U		U		U		U		U	
Dichlorodifluoromethane	NA	NA	NA	U		U		U		U		U	
Ethylbenzene	320	700	700	U		U		U		U		U	
Isopropylbenzene (Cumene)	NA	NA	NA	U		U		U		U		U	
m,p-Xylene	NA	NA	NA	U		U		U		U		U	
Methylene chloride	5	NA	NA	U		U		U		U		U	
N-butylbenzene	NA	NA	NA	U		U		U		U		U	
N-propylbenzene	NA	NA	NA	U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U	
o-Xylene	NA	NA	NA	U		U		U		U		U	
P-cymene (p-isopropyltoluene)	NA	NA	NA	U		U		U		U		U	
Sec-butylbenzene	NA	NA	NA	U		U		U		U		U	
Tetrachloroethylene (PCE)	5	5	NA	U		U		U		U		U	
Toluene	150	1000	1000	U		U		U		U		U	
trans-1,2-Dichloroethene	100	NA	100	U		U		U		U		U	
Trichloroethylene (TCE)	5	5	5	U		U		U		U		U	
Trichlorofluoromethane	NA	NA	NA	U		U		U		U		U	
Vinyl chloride	2	2	2	U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)													
2,4-Dimethylphenol	700	NA	NA	U		U		U		U		U	
2-Methylnaphthalene	NA	NA	NA	U		U		U		U		U	
Acenaphthene	2000	NA	NA	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	6	NA	NA	U		U		4.03 F	m	U		U	
Di-n-butyl phthalate	NA	NA	NA	U		U		U		U		U	
Fluoranthene	1000	NA	NA	U		U		U		U		U	
Naphthalene	20	NA	NA	U		U		U		U		U	
Phenanthrene	NA	NA	NA	U		U		U		U		U	
Phenol	4000	NA	NA	U		U		U		U		U	
Pyrene	1000	NA	NA	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)													
Anthracene	10000	NA	NA	NS		NS		NS		NS		NS	
Fluoranthene	1000	NA	NA	NS		NS		NS		NS		NS	
Fluorene	1000	NA	NA	NS		NS		NS		NS		NS	
Phenanthrene	NA	NA	NA	NS		NS		NS		NS		NS	
Pyrene	1000	NA	NA	NS		NS		NS		NS		NS	

Location ID: / Sample Date: / Sample Event: / Sample Type:	LF03-MW12 11/03/00 Round 3 Normal Result	RC	LF03-MW12 04/06/01 Round 4 Normal Result	RC	LF08-MW01 10/07/99 Round 1 Normal Result	RC	LF08-MW01 04/06/00 Round 2 Normal Result	RC	LF08-MW01 11/01/00 Round 3 Normal Result	RC
Metals (mg/L)										
Aluminum	1.49		1.78		NS		NS		0.231 J	n
Arsenic	U		U		NS		NS		U	
Barium	0.0997		0.1		NS		NS		0.0712 J	n
Beryllium	U		U		U		U		0.0001 BF	am
Cadmium	U		U		U		U		U	
Chromium, total	0.0277		0.0152		U		0.004 F	m	0.0022 BF	kam
Iron	2.86		3.11		0.482		0.935		0.347 J	
Lead	U		U		U		U		0.0026 BF	kam
Manganese	0.0471		0.0516		0.0283 F	m	0.0545		0.0306 J	n
Molybdenum	0.0033 BF	am	0.0006 BF	akm	U		U		0.0023 BF	am
Nickel	0.0184		0.008		U		U		0.0027 BF	am
Selenium	0.0116		0.0113		0.0074 FM	c,m	U		U	
Thallium[a]	U		U		U		U		U	
Vanadium	0.0038 F	m	0.0038 F	m	NS		NS		0.002 BF	am
Total Petroleum Hydrocarbons (mg/L)										
TPH-d	U		U		NS		NS		NS	
Pesticides (ug/L)										
Heptachlor	U		U		NS		NS		NS	
Volatile Organic Compounds (ug/L)										
1,1,1-Trichloroethane	U		U		U		U		U	
1,1,2-Trichloroethane	U		U		U		U		U	
1,1-Dichloroethene	U		U		U		U		U	
1,2,4-Trimethylbenzene	U		U		U		U		U	
1,2-Dichloroethane	U		U		U		U		U	
1,2-Dichlorobenzene	U		U		U		U		U	
1,3,5-trimethylbenzene	U		U		U		U		U	
2-Butanone	<100 R	i	U		U		U		<100 R	i
4-Methyl-2-pentanone	U		U		U		U		U	
Acetone	<130 R	i	<130 R	i	U		U		<130 R	i
Benzene	U		U		U		U		U	
Carbon tetrachloride	U		U		U		U		U	
Chloroform	U		U		U		U		U	
cis-1,2-Dichloroethylene	U		U		U		U		U	
Dichlorodifluoromethane	U		U		U		U		U	
Ethylbenzene	U		U		U		U		U	
Isopropylbenzene (Cumene)	U		U		U		U		U	
m,p-Xylene	U		U		U		U		U	
Methylene chloride	0.4 BF	km	U		U		U		U	
N-butylbenzene	U		U		U		U		U	
N-propylbenzene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
o-Xylene	U		U		U		U		U	
P-cymene (p-isopropyltoluene)	U		U		U		U		U	
Sec-butylbenzene	U		U		U		U		U	
Tetrachloroethylene (PCE)	U		U		U		U		U	
Toluene	U		U		U		U		U	
trans-1,2-Dichloroethene	U		U		U		U		U	
Trichloroethylene (TCE)	U		U		U		U		1.7	
Trichlorofluoromethane	U		U		U		U		U	
Vinyl chloride	U		U		U		U		U	
Semi-Volatile Organic Compounds (ug/L)										
2,4-Dimethylphenol	U		U		U		U		U	
2-Methylnaphthalene	U		U		U		U		U	
Acenaphthene	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	U		U		11.4 R	i	90		U	
Di-n-butyl phthalate	U		U		U		U		U	
Fluoranthene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
Phenanthrene	U		U		U		U		U	
Phenol	U		U		U		U		U	
Pyrene	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)										
Anthracene	NS		NS		NS		NS		NS	
Fluoranthene	NS		NS		NS		NS		NS	
Fluorene	NS		NS		NS		NS		NS	
Phenanthrene	NS		NS		NS		NS		NS	
Pyrene	NS		NS		NS		NS		NS	

Location ID: / Sample Date: / Sample Event: / Sample Type:	LF08-MW01 04/03/01 Round 4 Normal Result	RC	LF08-MW02 10/06/99 Round 1 Normal Result	RC	LF08-MW02 04/07/00 Round 2 Normal Result	RC	LF08-MW02 10/31/00 Round 3 Normal Result	RC	LF08-MW02 04/04/01 Round 4 Normal Result	RC
Metals (mg/L)										
Aluminum	0.419		NS		NS		1.1		3.25	
Arsenic	U		NS		NS		U		U	
Barium	0.0912		NS		NS		0.0647		0.0771	
Beryllium	U		U		0.0003 F	m	U		U	
Cadmium	U		0.0041 F	m	0.0021 F	m	U		U	
Chromium, total	0.0022 F	m	0.0064 F	g,m	0.0056 F	m	0.0045 F	m	0.0052	
Iron	0.614		1.99		6.75		2.08		6.65 J	n
Lead	U		U		0.0022 F	m	U		0.0027 BF	am
Manganese	0.0343		0.253		2.06		0.34		0.9 J	n
Molybdenum	0.0006 BF	am	U		U		U		U	
Nickel	0.0029 BF	am	U		U		0.0043 F	m	0.0075	
Selenium	U		U		U		0.0032 BF	am	U	
Thallium[a]	0.0011 BF	am	U		U		U		0.0006 BF	am
Vanadium	0.0019 BF	am	NS		NS		0.0025 F	m	0.007 F	m
Total Petroleum Hydrocarbons (mg/L)										
TPH-d	NS		NS		NS		NS		NS	
Pesticides (ug/L)										
Heptachlor	NS		NS		NS		NS		NS	
Volatile Organic Compounds (ug/L)										
1,1,1-Trichloroethane	U		U		U		U		U	
1,1,2-Trichloroethane	U		2.4		2		U		1.9	
1,1-Dichloroethene	U		0.63 F	m	0.37 F	m	U		U	
1,2,4-Trimethylbenzene	U		U		U		U		U	
1,2-Dichloroethane	U		1.3		0.96 F	m	U		0.94	
1,2-Dichlorobenzene	U		U		U		U		U	
1,3,5-trimethylbenzene	U		U		U		U		U	
2-Butanone	<100 R	i	U		U		2500 R	i	<100 R	i
4-Methyl-2-pentanone	U		U		U		U		U	
Acetone	<130 R	i	U		U		3300 R	i	<130 R	i
Benzene	U		U		U		U		U	
Carbon tetrachloride	U		U		U		U		U	
Chloroform	U		U		U		U		U	
cis-1,2-Dichloroethylene	U		35		28		41.5		28	
Dichlorodifluoromethane	U		U		U		U		U	
Ethylbenzene	U		U		U		U		U	
Isopropylbenzene (Cumene)	U		U		U		U		U	
m,p-Xylene	U		U		U		U		U	
Methylene chloride	U		U		U		U		U	
N-butylbenzene	U		U		U		U		U	
N-propylbenzene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
o-Xylene	U		U		U		U		U	
P-cymene (p-isopropyltoluene)	U		U		U		U		U	
Sec-butylbenzene	U		U		U		U		U	
Tetrachloroethylene (PCE)	U		1.8		1.2 F	m	U		1.1 F	m
Toluene	U		U		U		U		U	
trans-1,2-Dichloroethene	U		0.46 F	m	0.44 F	m	U		U	
Trichloroethylene (TCE)	U		220 D		260 D		343		271	
Trichlorofluoromethane	U		U		U		U		U	
Vinyl chloride	U		2.1		0.95 F	m	U		0.49 F	m
Semi-Volatile Organic Compounds (ug/L)										
2,4-Dimethylphenol	U		U		U		U		U	
2-Methylnaphthalene	U		U		U		U		U	
Acenaphthene	U		U		U		U		U	
bis(2-Ethylhexyl) phthalate	U		U		U		U		U	
Di-n-butyl phthalate	U		U		U		U		U	
Fluoranthene	U		U		U		U		U	
Naphthalene	U		U		U		U		U	
Phenanthrene	U		U		U		U		U	
Phenol	U		U		U		U		U	
Pyrene	U		U		U		U		U	
Polynuclear Aromatic Hydrocarbons (ug/L)										
Anthracene	NS		NS		NS		NS		NS	
Fluoranthene	NS		NS		NS		NS		NS	
Fluorene	NS		NS		NS		NS		NS	
Phenanthrene	NS		NS		NS		NS		NS	
Pyrene	NS		NS		NS		NS		NS	



IRP SITES

FT-02 FIRE PROTECTION TRAINING AREA
LF-03 LANDFILL NO. 5
LF-08 LANDFILL NO. 1
SS-15 DRUM BURIAL AREA
SS-30 TCE/CARBON TETRACHLORIDE SPILL AREA
OT-22 OPEN BURN/OPEN DETONATION AREA
OT-23 FIRING RANGES
ST-26 FACILITY 94 GROUND RADIO COMMUNICATION

LEGEND

IRP SITES
RUNWAY/ TAXIWAY
ROADS
BUILDINGS
BASE BOUNDARY

NOTES

BASE MAP DEVELOPED FROM A DRAWING "SITE LOCATIONS", PREPARED BY JACOBS ENGINEERING GROUP, INC. CINCINNATI, OHIO, DATED MARCH 26, 1997.

NOT TO SCALE.

MONTGOMERY WATSON Chicago, Illinois	WHITEMAN AIR FORCE BASE JOHNSON COUNTY, MISSOURI	BASE MAP	FIGURE 2

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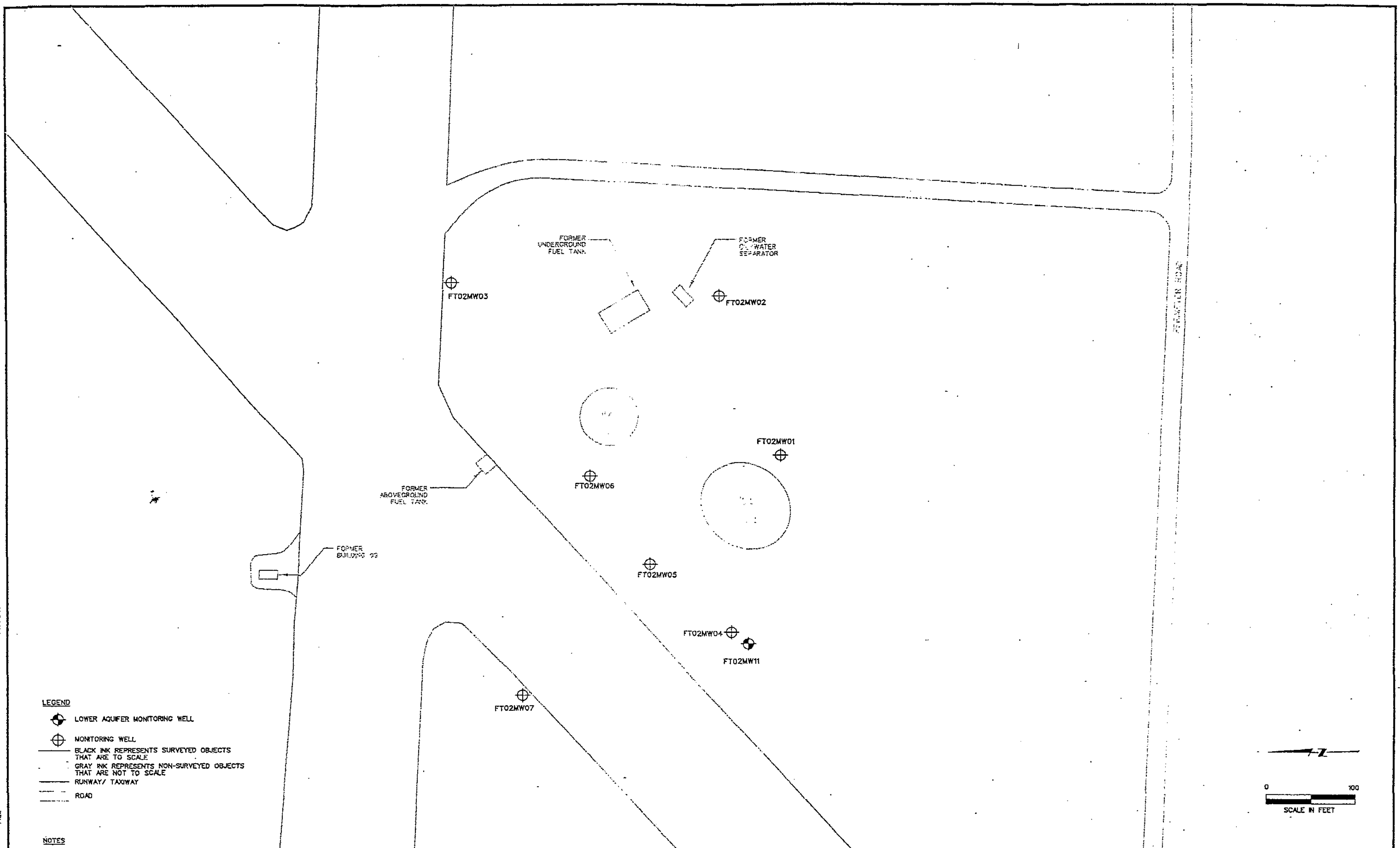
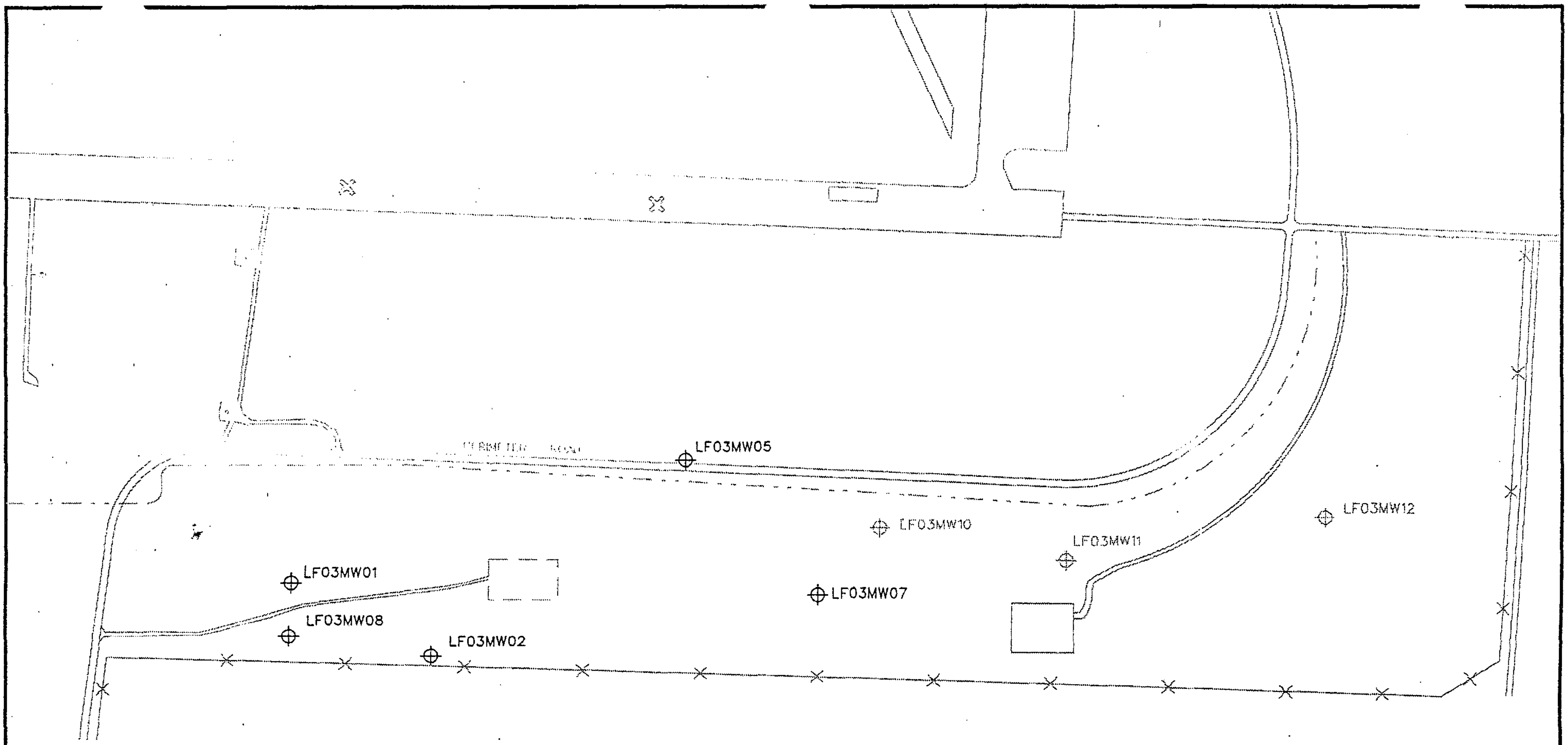


SCALE				FIGURE
1" = 100'	MONTGOMERY WATSON Chicago, Illinois	WHITEMAN AIR FORCE BASE JOHNSON COUNTY, MISSOURI	SITE FT-02 WELL LOCATIONS	3

JOB No. MW Job No. FILE: Plot Date:



LEGEND

- MONITORING WELL
- BLACK INK REPRESENTS SURVEYED OBJECTS THAT ARE TO SCALE
- GRAY INK REPRESENTS NON-SURVEYED OBJECTS THAT ARE NOT TO SCALE
- RUNWAY
- ROADS
- DIRT ROAD
- LONG BRANCH CREEK
- FENCE
- BUILDINGS
- BUILDING FOUNDATION

N

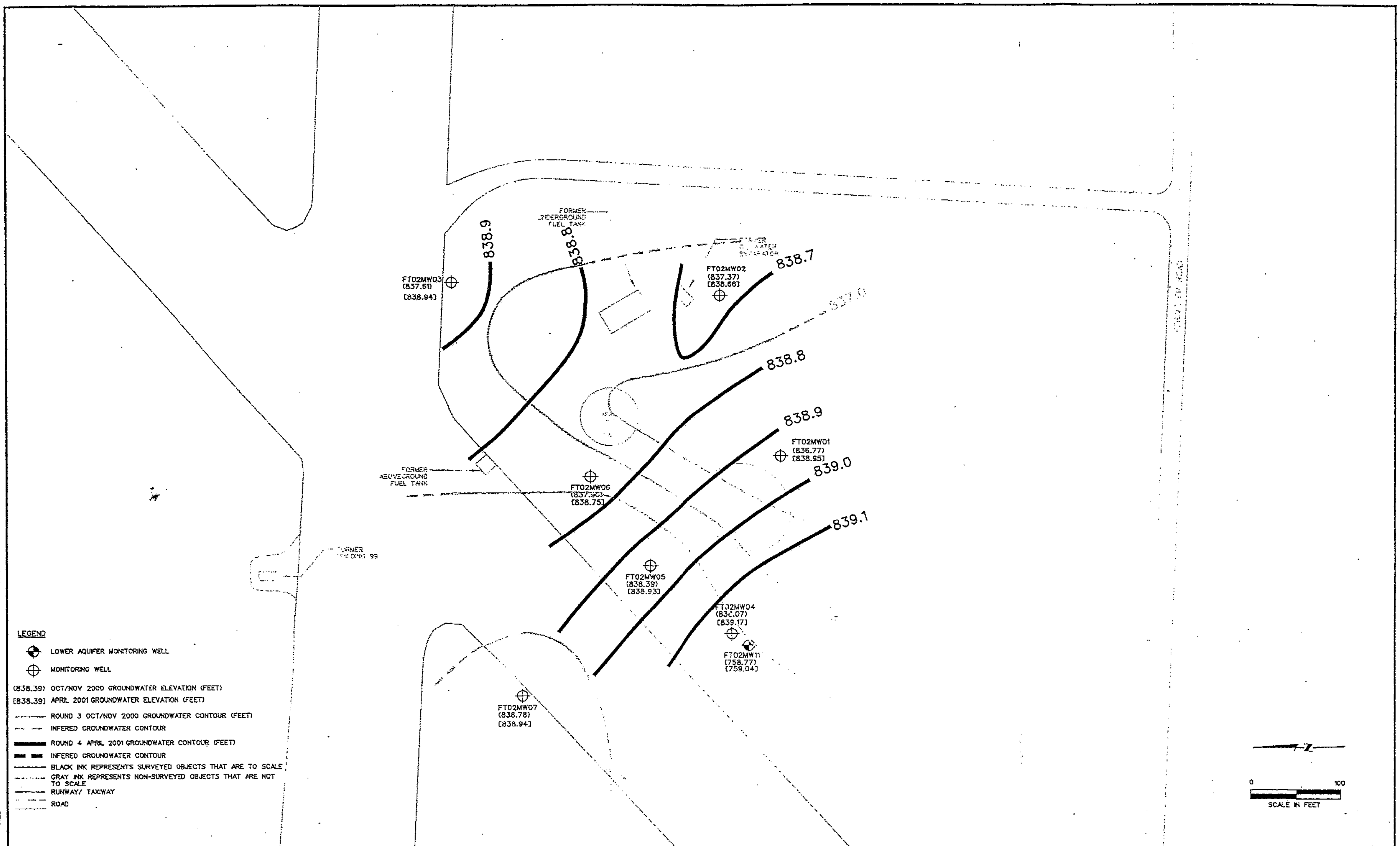
0 500
SCALE IN FEET

NOTE

LF-03 WELL LOCATIONS DEVELOPED FROM A DRAWING "SITE LF-03", OF SEPTEMBER 1999 GROUNDWATER SUMMARY REPORT, PREPARED BY JACOBS ENGINEERING GROUP, INC. OAK RIDGE, TENNESSEE.

MONTGOMERY WATSON Chicago, Illinois	WHITEMAN AIR FORCE BASE JOHNSON COUNTY, MISSOURI	SITE LF-03 WELL LOCATIONS	FIGURE 4

J:/137/44-whiteman/figures/13744a014.dgn

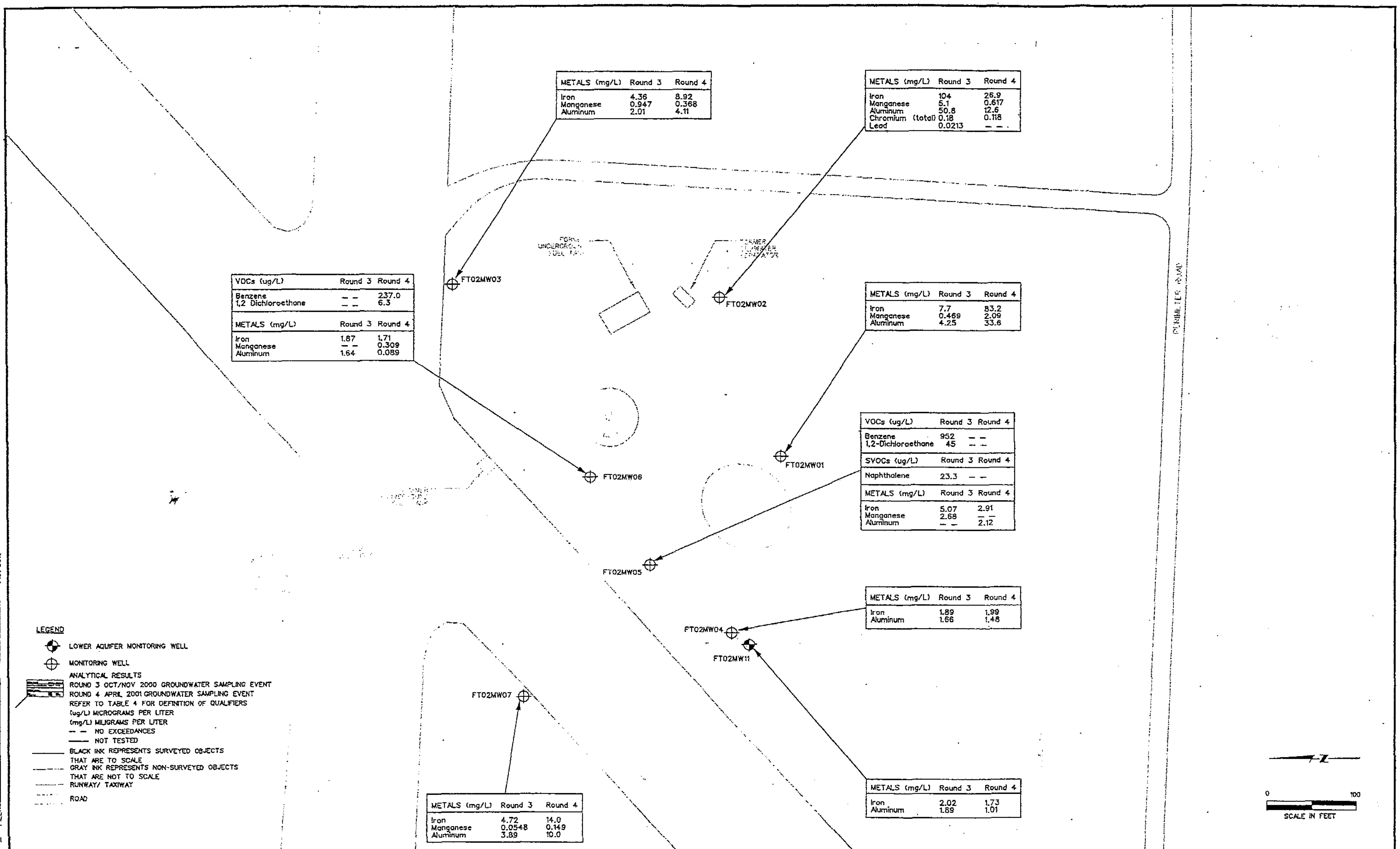


NOTES

FT-02 WELL LOCATIONS DEVELOPED FROM A DRAWING "SITE FT02", OF SEPTEMBER 1999 GROUNDWATER SUMMARY REPORT, PREPARED BY JACOBS ENGINEERING GROUP INC. OAK RIDGE, TENNESSEE.

SCALE				FIGURE
1" = 100'	MONTGOMERY WATSON Chicago, Illinois	WHITEMAN AIR FORCE BASE JOHNSON COUNTY, MISSOURI	SITE FT-02 GROUNDWATER CONTOUR MAP FOR OCT/NOV 2000 and APRIL 2001	11

JOB No. MW Job No. FILE: Plot Date:



FT02MW03

METALS (mg/L)	Round 3	Round 4
Iron	4.36	8.92
Manganese	0.947	0.368
Aluminum	2.01	4.11

FT02MW02

METALS (mg/L)	Round 3	Round 4
Iron	104	26.9
Manganese	5.1	0.617
Aluminum	50.8	12.6
Chromium (total)	0.18	0.118
Lead	0.0213	— —

FT02MW06

VOCs (ug/L)	Round 3	Round 4
Benzene	— —	237.0
1,2 Dichloroethane	— —	6.3
METALS (mg/L)	**Round 3**	**Round 4**
Iron	1.87	1.71
Manganese	— —	0.309
Aluminum	1.64	0.089

FT02MW01

METALS (mg/L)	Round 3	Round 4
Iron	7.7	83.2
Manganese	0.469	2.09
Aluminum	4.25	33.6

FT02MW05

VOCs (ug/L)	Round 3	Round 4
Benzene	952	— —
1,2-Dichloroethane	45	— —
SVOCs (ug/L)	**Round 3**	**Round 4**
Naphthalene	23.3	— —
METALS (mg/L)	**Round 3**	**Round 4**
Iron	5.07	2.91
Manganese	2.68	— —
Aluminum	— —	2.12

FT02MW04

METALS (mg/L)	Round 3	Round 4
Iron	1.89	1.99
Aluminum	1.66	1.48

FT02MW11

METALS (mg/L)	Round 3	Round 4
Iron	2.02	1.73
Aluminum	1.89	1.01

FT02MW07

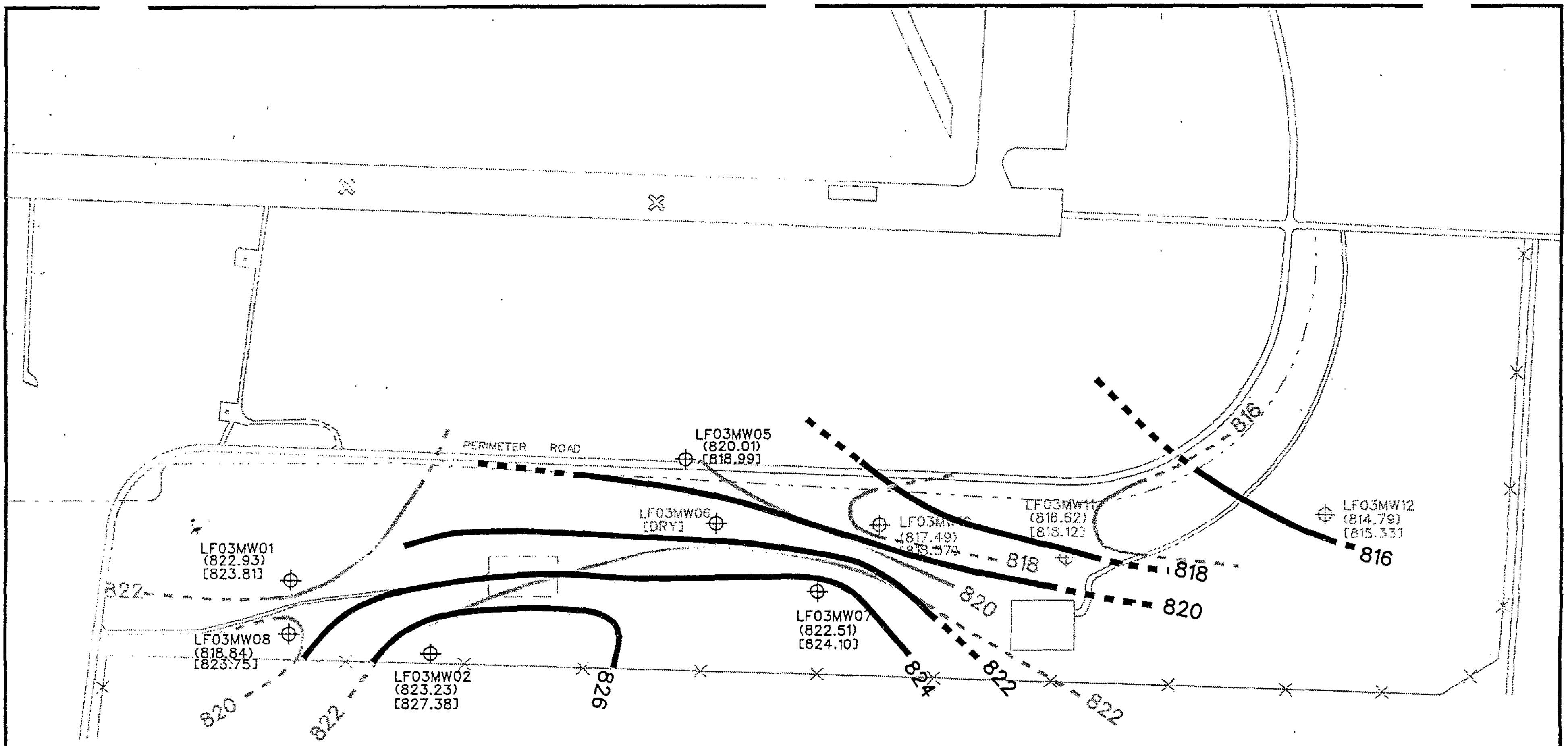
METALS (mg/L)	Round 3	Round 4
Iron	4.72	14.0
Manganese	0.0548	0.149
Aluminum	3.89	10.0

NOTES

FT-02 WELL LOCATIONS DEVELOPED FROM A DRAWING "SITE FT02", OF SEPTEMBER 1999 GROUNDWATER SUMMARY REPORT, PREPARED BY JACOBS ENGINEERING GROUP INC. OAK RIDGE, TENNESSEE.

SCALE				FIGURE
1" = 100'	MONTGOMERY WATSON Chicago, Illinois	WHITEMAN AIR FORCE BASE JOHNSON COUNTY, MISSOURI	SITE FT-02 GROUNDWATER EXCEEDANCES OF ESTABLISHED CLEANUP LEVELS	12

JOB No. MW Plot Date:



LEGEND

MONITORING WELL

(819.24) OCT/NOV 2000 GROUNDWATER ELEVATION (FEET)

[835.28] APRIL 2001 GROUNDWATER ELEVATION (FEET)

ROUND 3 OCT/NOV 2000 GROUNDWATER CONTOUR (FEET)

INFERRED GROUNDWATER CONTOUR

ROUND 4 APRIL 2001 GROUNDWATER CONTOUR (FEET)

INFERRED GROUNDWATER CONTOUR

BLACK INK REPRESENTS SURVEYED OBJECTS THAT ARE TO SCALE

GRAY INK REPRESENTS NON-SURVEYED OBJECTS THAT ARE NOT TO SCALE

RUNWAY

ROADS

DIRT ROAD

LONG BRANCH CREEK

FENCE

BUILDINGS

BUILDING FOUNDATION

NOTE

LF-03 WELL LOCATIONS DEVELOPED FROM A DRAWING "SITE LF-03", OF SEPTEMBER 1999 GROUNDWATER SUMMARY REPORT, PREPARED BY JACOBS ENGINEERING GROUP, INC. OAK RIDGE, TENNESSEE.

0 500
SCALE IN FEET

N

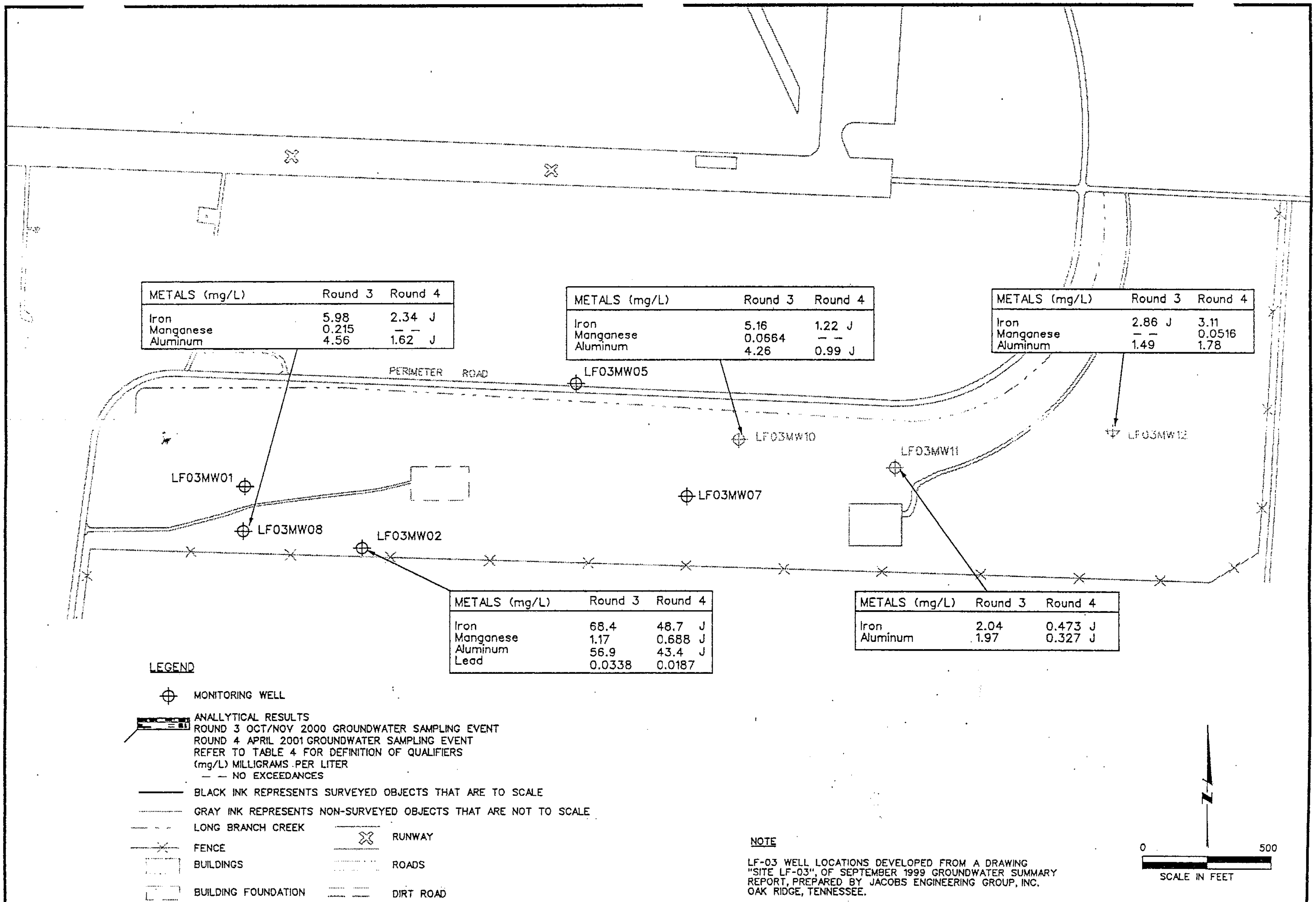
MONTGOMERY WATSON
Chicago, Illinois

WHITEMAN AIR FORCE BASE
JOHNSON COUNTY, MISSOURI

SITE LF-03 GROUNDWATER CONTOUR MAP FOR OCT/NOV 2000 AND APRIL 2001

FIGURE 13

J:/137/44-whiteman/figures/13744a030_C.dgn



LF03MW08:

METALS (mg/L)	Round 3	Round 4
Iron	5.98	2.34 J
Manganese	0.215	— —
Aluminum	4.56	1.62 J

LF03MW10:

METALS (mg/L)	Round 3	Round 4
Iron	5.16	1.22 J
Manganese	0.0664	— —
Aluminum	4.26	0.99 J

LF03MW12:

METALS (mg/L)	Round 3	Round 4
Iron	2.86 J	3.11
Manganese	— —	0.0516
Aluminum	1.49	1.78

LF03MW02:

METALS (mg/L)	Round 3	Round 4
Iron	68.4	48.7 J
Manganese	1.17	0.688 J
Aluminum	56.9	43.4 J
Lead	0.0338	0.0187

LF03MW11:

METALS (mg/L)	Round 3	Round 4
Iron	2.04	0.473 J
Aluminum	1.97	0.327 J

NOTE

LF-03 WELL LOCATIONS DEVELOPED FROM A DRAWING "SITE LF-03", OF SEPTEMBER 1999 GROUNDWATER SUMMARY REPORT, PREPARED BY JACOBS ENGINEERING GROUP, INC. OAK RIDGE, TENNESSEE.

MONTGOMERY WATSON
Chicago, Illinois

WHITEMAN AIR FORCE BASE
JOHNSON COUNTY, MISSOURI

SITE LF-03 GROUNDWATER EXCEEDANCES OF ESTABLISHED CLEANUP LEVELS

FIGURE 14

J:/137/44-whiteman/figures/13744a031_B.dgn

Table B-4
Results for VOCs during Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	FT02-MW01	FT02-MW01	FT02-MW02	FT02-MW02	FT02-MW03	FT02-MW03	FT02-MW04	FT02-MW04	FT02-MW05	FT02-MW05	FT02-MW06	FT02-MW06	FT02-MW07	FT02-MW07	FT02-MW11	FT02-MW11	FT02-MW74	FT02-MW74
			Sample Date:	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-03-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Field Duplicate
COMPOUNDS	GTARC	*USEPA*	MDNR																		
VOCs (UG/L)																					
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	2.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,1,1-Trichloroethane	200.	200.	200.	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	4 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
1,1,2,2-Tetrachloroethane	0.4	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	*0.85 (U)	0.4 (U)	0.4 (U)	*6 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1,2-Trichloroethane	5.	5.	5.	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	*5.3 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
1,1-Dichloroethane	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1-Dichloroethene	7.	7.	7.	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	6 (U)	1.2 (U)	1.2 (U)	*2.5 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,1-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
1,2,3-Trichlorobenzene	NA	NA	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	1.5 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2,3-Trichloropropane	NA	NA	NA	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	16 (U)	3.2 (U)	3.2 (U)	80 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)
1,2,4-Trichlorobenzene	70.	70.	70.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,2,4-Trimethylbenzene	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	6.5 (U)	1.3 (U)	1.3 (U)	115	1.3 (U)	1.3 (U)	117	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
1,2-Dibromo-3-chloropropane	0.2	0.2	NA	**1.4 (U)*	*2.6 (U)*	**1.4 (U)*	*2.6 (U)*	**1.4 (U)*	**1 (U)*	**1.4 (U)*	*2.6 (U)*	**35 (U)*	*2.6 (U)*	**1.4 (U)*	*2.6 (U)*	**1.4 (U)*	*2.6 (U)*	**1.4 (U)*	*2.6 (U)*	**1.4 (U)*	*2.6 (U)*
1,2-Dibromoethane (ethylene Dibron	NA	NA	0.05	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.31 (U)	*0.13 (U)	*0.061 (U)	*3.3 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)
1,2-Dichlorobenzene	600.	600.	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	1.5 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2-Dichloroethane	5.	5.	5.	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	1,5 (U)	1 (U)	0.3 (U)	45	0.3 (U)	1 (U)	6.3	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)
1,2-Dichloropropane	5.	5.	5.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	*3.8 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,3,5-trimethylbenzene	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	2.5 (U)	0.5 (U)	0.5 (U)	27	0.5 (U)	0.5 (U)	28	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,3-Dichlorobenzene	NA	600.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	6 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,3-Dichloropropane	2.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	*2.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,4-Dichlorobenzene	75.	75.	75.	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	1.5 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1-chlorohexane	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	2.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
2,2-dichloropropane	NA	NA	NA	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	18 (U)	3.5 (U)	3.5 (U)	88 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)
2-Butanone	NA	NA	NA	100 (R)	100 (U)	100 (R)	100 (U)	100 (R)	500 (U)	100 (R)	100 (U)	2500 (R)	100 (U)	100 (R)	100 (U)	100 (R)	100 (R)	100 (R)	5.2 (F)	100 (R)	100 (R)
2-chlorotoluene	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
2-Hexanone	NA	NA	NA	50 (UM)	50 (U)	50 (UM)	50 (U)	50 (UM)	250 (U)	50 (UM)	50 (U)	1300 (UM)	50 (U)	50 (UM)	50 (U)	50 (UM)	50 (R)	50 (UM)	50 (U)	50 (UM)	50 (R)
4-chlorotoluene	NA	NA	NA	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	3 (U)	0.6 (U)	0.6 (U)	15 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
4-Methyl-2-pentanone	NA	NA	NA	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	250 (U)	50 (U)	50 (U)	1300 (U)	50 (U)	50 (U)	0.44 (F)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
Acetone	4,000.	NA	NA	130 (R)	130 (UJ)	130 (R)	130 (UJ)	130 (R)	650 (UJ)	130 (R)	130 (UJ)	3300 (R)	130 (UJ)	130 (R)	130 (UJ)	130 (R)	130 (R)	130 (R)	10.1 (R)	130 (R)	130 (R)
Benzene	5.	5.	5.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	952	1.7	0.4 (U)	237	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Bromobenzene	NA	NA	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	1.5 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Bromochloromethane	NA	NA	NA	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	1.5 (U)	1 (U)	0.3 (U)	25 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)
Bromodichloromethane	NA	100.	NA	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	4 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Bromoform	100.	100.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	6 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Bromomethane	NA	NA	NA	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	5.5 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Carbon tetrachloride	5.	5.	5.	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	*0.2 (U)	2.1 (U)	2.1 (U)	*2 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)
Chlorobenzene	100.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Chloroethane	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Chloroform	100.	100.	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	1.5 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Chloromethane	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	6.5 (U)	1.3 (U)	1.3 (U)	33 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
cis-1,2-Dichloroethylene	70.	70.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	6 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
cis-1,3-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Dibromochloromethane	100.	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	2.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
Dibromomethane	NA	NA	NA	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	12 (U)	2.4 (U)	2.4 (U)	60 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Dichlorodifluoromethane	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Ethylbenzene	320.	700.	700.	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	3 (U)	0.6 (U)	0.6 (U)	234	0.76	0.6 (U)	151	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
Hexachlorobutadiene	1.	NA	NA	*0.14 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)	*0.14 (UM)	*0.55 (U)	*0.14 (UM)	*0.11 (U)	*3.5 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)
Isopropylbenzene (Cumene)	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	2.5 (U)	0.5 (U)	0.5 (U)	32.2	0.5 (U)	0.5 (U)	20	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
m,p-Xylene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	53.5	1 (U)	1 (U)	33.1	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Methylene chloride	5.	NA	NA	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)	*3.9 (U)	2 (U)	2 (U)	*4 (U)	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)	2 (U)
N-butylbenzene	NA	NA	NA	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	5.5 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
N-propylbenzene	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	41.8	0.4 (U)	0.4 (U)	29.1	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Naphthalene	20.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	15.5	0.4 (U)	0.4 (U)	12.8	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
o-Xylene	NA	NA	NA	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	5.5 (U)	1.1 (U)	1.1 (U)	24.6 (F)	1.1 (U)	1.1 (U)	14.4	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
P-cymene (p-isopropyltoluene)	NA	NA	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	6 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	4.4	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Sec-butylbenzene	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	6.5 (U)	1.3 (U)	1.3 (U)	11.1 (F)	1.3 (U)	1.3 (U)	6.8	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
Styrene	100.	100.	100.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	2 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
t-Butylbenzene	NA	NA	NA	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	7 (U)	1.4 (U)	1.4 (U)	35 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)
Tetrachloroethylene (PCE)	5.	5.	NA	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	*0.17 (U)	1.4 (U)	1.4 (U)	*4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)
Toluene	150.	1,000.	1,000.	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	5.5 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	0.8 (F)	1.1 (U)	1.1 (U)	1.1 (U)	0.32 (F)	1.1 (U)	1.1 (U)
trans-1,2-Dichloroethene	100.	NA	100.	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	3 (U)	0.6 (U)	0.6 (U)	15 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
trans-1,3-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Trichloroethylene (TCE)	5.	5.	5.	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	5 (U)	1 (U)	1 (U)	*3.3 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Trichlorofluoromethane	NA	NA	NA	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	4 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Vinyl chloride	2.	2.	2.	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	*0.34 (U)	1.1 (U)	1.1 (U)	*2.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)

Table B-4
Results for VOCs during Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	LF03-MW02	LF03-MW02	LF03-MW08	LF03-MW08	LF03-MW10	LF03-MW10	LF03-MW11
			Sample Date:	Nov-06-2000	Apr-04-2001	Nov-04-2000	Apr-04-2001	Nov-04-2000	Apr-05-2001	Nov-04-2000
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS	GTARC	USEPA	MDNR							
VOCs (UG/L)										
1,1,1,2-Tetrachloroethane	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,1,1-Trichloroethane	200.	200.	200.	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
1,1,2,2-Tetrachloroethane	0.4	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1,2-Trichloroethane	5.	5.	5.	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
1,1-Dichloroethane	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1-Dichloroethene	7.	7.	7.	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,1-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
1,2,3-Trichlorobenzene	NA	NA	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2,3-Trichloropropane	NA	NA	NA	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)
1,2,4-Trichlorobenzene	70.	70.	70.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,2,4-Trimethylbenzene	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
1,2-Dibromo-3-chloropropane	0.2	0.2	NA	*1.4 (U)	2.6 (U)	*1.4 (U)	2.6 (U)	*1.4 (U)	2.6 (U)	*1.4 (U)
1,2-Dibromoethane (ethylene Dibron	NA	NA	0.05	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)
1,2-Dichlorobenzene	600.	600.	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2-Dichloroethane	5.	5.	5.	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)
1,2-Dichloropropane	5.	5.	5.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,3,5-trimethylbenzene	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,3-Dichlorobenzene	NA	600.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,3-Dichloropropane	2.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,4-Dichlorobenzene	75.	75.	75.	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1-chlorohexane	NA	NA	NA	0.5 (R)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (R)
2,2-dichloropropane	NA	NA	NA	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)
2-Butanone	NA	NA	NA	100 (R)	100 (R)	100 (R)	100 (R)	100 (R)	100 (R)	100 (R)
2-chlorotoluene	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
2-Hexanone	NA	NA	NA	50 (U)	50 (R)	50 (U)	50 (R)	50 (U)	50 (UM)	50 (U)
4-chlorotoluene	NA	NA	NA	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
4-Methyl-2-pentanone	NA	NA	NA	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
Acetone	4,000.	NA	NA	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)
Benzene	5.	5.	5.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Bromobenzene	NA	NA	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Bromochloromethane	NA	NA	NA	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)
Bromodichloromethane	NA	100.	NA	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Bromoform	100.	100.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Bromomethane	NA	NA	NA	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Carbon tetrachloride	5.	5.	5.	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)
Chlorobenzene	100.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Chloroethane	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Chloroform	100.	100.	NA	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Chloromethane	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
cis-1,2-Dichloroethylene	70.	70.	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
cis-1,3-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Dibromochloromethane	100.	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
Dibromomethane	NA	NA	NA	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Dichlorodifluoromethane	NA	NA	NA	3.5	2.3	0.46 (F)	0.57 (F)	1 (U)	1 (U)	1 (U)
Ethylbenzene	320.	700.	700.	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
Hexachlorobutadiene	1.	NA	NA	*0.14 (U)	*0.11 (U)	*0.14 (U)	*0.11 (U)	*0.14 (U)	*0.11 (U)	*0.14 (U)
Isopropylbenzene (Cumene)	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
m,p-Xylene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Methylene chloride	5.	NA	NA	0.54 (BF)	2 (U)	0.78 (BF)	2 (U)	0.88 (BF)	2 (U)	1.1 (BF)
N-butylbenzene	NA	NA	NA	1.1 (UM)	1.1 (U)	1.1 (UM)	1.1 (U)	1.1 (UM)	1.1 (U)	1.1 (UM)
N-propylbenzene	NA	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Naphthalene	20.	NA	NA	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
o-Xylene	NA	NA	NA	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
P-cymene (p-isopropyltoluene)	NA	NA	NA	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Sec-butylbenzene	NA	NA	NA	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)
Styrene	100.	100.	100.	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
t-Butylbenzene	NA	NA	NA	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)
Tetrachloroethylene (PCE)	5.	5.	NA	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)
Toluene	150.	1,000.	1,000.	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)
trans-1,2-Dichloroethene	100.	NA	100.	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)
trans-1,3-Dichloropropene	NA	NA	NA	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Trichloroethylene (TCE)	5.	5.	5.	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)
Trichlorofluoromethane	NA	NA	NA	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Vinyl chloride	2.	2.	2.	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)

Location ID:	LF03-MW11	LF03-MW12	LF03-MW12	LF03-MW70	LF03-MW70	LF08-MW01	LF08-MW01	LF08-MW02	LF08-MW02	LF08-MW04	LF08-MW04
Sample Date:	Apr-04-2001	Nov-03-2000	Apr-06-2001	Nov-04-2000	Apr-04-2001	Nov-01-2000	Apr-03-2001	Oct-31-2000	Apr-04-2001	Oct-31-2000	Apr-03-2001
Sample Round:	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
Sample Type:	Normal	Normal	Normal	Field Duplicate	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS											
VOCs (UG/L)											
1,1,1,2-Tetrachloroethane	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,1,1-Trichloroethane	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)
1,1,2,2-Tetrachloroethane	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	*6 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1,2-Trichloroethane	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	*5.3 (U)	1.9	1 (U)	1 (U)
1,1-Dichloroethane	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,1-Dichloroethene	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	*2.5 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,1-Dichloropropene	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
1,2,3-Trichlorobenzene	0.3 (U)	0.3 (U)	0.3 (UM)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2,3-Trichloropropane	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	3.2 (U)	80 (U)	3.2 (U)	3.2 (U)	3.2 (U)
1,2,4-Trichlorobenzene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,2,4-Trimethylbenzene	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	33 (U)	1.3 (U)	1.3 (U)	1.3 (U)
1,2-Dibromo-3-chloropropane	2.6 (U)	*1.4 (U)	*0.21 (U)	*1.4 (U)	2.6 (U)	*1.4 (U)	2.6 (U)	*35 (U)	2.6 (U)	*1.4 (U)	2.6 (U)
1,2-Dibromoethane (ethylene Dibron	*0.061 (U)	*0.13 (U)	*0.057 (U)	*0.13 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)	*3.3 (U)	*0.061 (U)	*0.13 (U)	*0.061 (U)
1,2-Dichlorobenzene	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1,2-Dichloroethane	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	*22 (U)	0.94	1 (U)	0.3 (U)
1,2-Dichloropropane	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	*3.8 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,3,5-trimethylbenzene	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)
1,3-Dichlorobenzene	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)
1,3-Dichloropropane	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	*2.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)
1,4-Dichlorobenzene	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)
1-chlorohexane	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)
2,2-dichloropropane	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	3.5 (U)	88 (U)	3.5 (U)	3.5 (U)	3.5 (U)
2-Butanone	100 (R)	100 (R)	100 (U)	100 (R)	100 (R)	100 (R)	100 (R)	2500 (R)	100 (R)	100 (R)	100 (R)
2-chlorotoluene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
2-Hexanone	50 (R)	50 (U)	50 (U)	50 (U)	50 (R)	50 (U)	50 (R)	1300 (UM)	50 (U)	50 (UM)	50 (R)
4-chlorotoluene	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	15 (U)	0.6 (U)	0.6 (U)	0.6 (U)
4-Methyl-2-pentanone	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	1300 (U)	50 (U)	50 (U)	50 (U)
Acetone	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)	130 (R)	3300 (R)	130 (R)	130 (R)	130 (R)
Benzene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	*1.6 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Bromobenzene	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Bromochloromethane	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	1 (U)	0.3 (U)	25 (U)	0.3 (U)	1 (U)	0.3 (U)
Bromodichloromethane	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Bromoform	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Bromomethane	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)
Carbon tetrachloride	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	2.1 (U)	*2 (U)	2.1 (U)	2.1 (U)	2.1 (U)
Chlorobenzene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Chloroethane	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
Chloroform	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	0.3 (U)	7.5 (U)	0.3 (U)	0.3 (U)	0.3 (U)
Chloromethane	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	33 (U)	1.3 (U)	1.3 (U)	1.3 (U)
cis-1,2-Dichloroethylene	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	41.5	28	1.2 (U)	1.2 (U)
cis-1,3-Dichloropropene	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
Dibromochloromethane	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)
Dibromomethane	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	2.4 (U)	60 (U)	2.4 (U)	2.4 (U)	2.4 (U)
Dichlorodifluoromethane	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
Ethylbenzene	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	15 (U)	0.6 (U)	0.6 (U)	0.6 (U)
Hexachlorobutadiene	*0.11 (U)	*0.14 (U)	*0.19 (U)	*0.14 (U)	*0.11 (U)	*0.14 (U)	*0.11 (U)	*3.5 (UM)	*0.11 (U)	*0.14 (UM)	*0.11 (U)
Isopropylbenzene (Cumene)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	13 (U)	0.5 (U)	0.5 (U)	0.5 (U)
m,p-Xylene	1 (U)	1 (U)	1 (UJ)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
Methylene chloride	2 (U)	0.4 (BF)	2 (U)	0.68 (BF)	2 (U)	2 (U)	2 (U)	*4 (U)	2 (U)	2 (U)	2 (U)
N-butylbenzene	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (UM)	1.1 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)
N-propylbenzene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
Naphthalene	0.4 (U)	0.4 (U)	0.4 (UJ)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
o-Xylene	1.1 (U)	1.1 (U)	1.1 (UJ)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)
P-cymene (p-isopropyltoluene)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	1.2 (U)	30 (U)	1.2 (U)	1.2 (U)	1.2 (U)
Sec-butylbenzene	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	1.3 (U)	33 (U)	1.3 (U)	1.3 (U)	1.3 (U)
Styrene	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	0.4 (U)	10 (U)	0.4 (U)	0.4 (U)	0.4 (U)
t-Butylbenzene	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	35 (U)	1.4 (U)	1.4 (U)	1.4 (U)
Tetrachloroethylene (PCE)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	1.4 (U)	*4 (U)	1.1 (F)	1.4 (U)	1.4 (U)
Toluene	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	28 (U)	1.1 (U)	1.1 (U)	1.1 (U)
trans-1,2-Dichloroethene	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	0.6 (U)	15 (U)	0.6 (U)	0.6 (U)	0.6 (U)
trans-1,3-Dichloropropene	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	25 (U)	1 (U)	1 (U)	1 (U)
Trichloroethylene (TCE)	1 (U)	1 (U)	1 (U)	1 (U)	1 (U)	1.7	1 (U)	343	271	1 (U)	1 (U)
Trichlorofluoromethane	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	0.8 (U)	20 (U)	0.8 (U)	0.8 (U)	0.8 (U)
Vinyl chloride	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	1.1 (U)	*2.1 (U)	0.49 (F)	1.1 (U)	1.1 (U)

Table B-5
Results for SVOCs during Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

COMPOUNDS	GTARC	USEPA	MDNR	FT02-MW01	FT02-MW01	FT02-MW02	FT02-MW02	FT02-MW03	FT02-MW03	FT02-MW04	FT02-MW04	FT02-MW05
Sample Date:				Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000
Sample Round:				Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3
Sample Type:				Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
SVOCs (UG/L)												
1,2,4-Trichlorobenzene	70.	70.	70.	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
1,2-Dichlorobenzene	600.	600.	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
1,3-Dichlorobenzene	NA	600.	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
1,4-Dichlorobenzene	75.	75.	75.	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
2,4,5-Trichlorophenol	NA	NA	NA	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)
2,4,6-Trichlorophenol	30.	NA	NA	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)
2,4-Dichlorophenol	20.	NA	NA	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)
2,4-Dimethylphenol	700.	NA	NA	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	1.4 (F)
2,4-Dinitrophenol	40.	NA	NA	*11 (UM)	*2.7 (R)	*11 (UM)	*2.7 (R)	*11 (UM)	*2.7 (R)	*11 (UM)	*2.7 (R)	*11 (UM)
2,4-Dinitrotoluene	0.5	NA	NA	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)
2,6-dinitrotoluene	0.5	NA	NA	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)
2-Chloronaphthalene	NA	NA	NA	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)
2-Chlorophenol	40.	NA	NA	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)	10 (R)	10 (U)
2-Methylnaphthalene	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	5.7 (F)
2-Methylphenol (o-cresol)	2,000.	NA	NA	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)
2-Nitroaniline	NA	NA	NA	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
2-Nitrophenol	NA	NA	NA	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)
3,3'-Dichlorobenzidine	NA	NA	NA	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)
3-Nitroaniline	NA	NA	NA	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
4,6-Dinitro-2-methylphenol	NA	NA	NA	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)
4-Bromophenyl phenyl ether	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
4-Chloro-3-methylphenol	NA	NA	NA	20 (U)	20 (UJ)	20 (U)	20 (UJ)	20 (U)	20 (UJ)	20 (U)	20 (UJ)	20 (U)
4-Chloroaniline	100.	NA	NA	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)
4-Chlorophenyl phenyl ether	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
4-Methylphenol (p-cresol)	NA	NA	NA	NA	10 (UJ)	NA	10 (UJ)	NA	10 (UJ)	NA	10 (UJ)	NA
4-Nitroaniline	NA	NA	NA	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
4-Nitrophenol	NA	NA	NA	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)
Acenaphthene	2,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Acenaphthylene	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Anthracene	10,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Benzo(a)anthracene	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Benzo(a)pyrene	0.2	0.2	0.2	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)
Benzo(b)fluoranthene	0.1	NA	NA	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)
Benzo(g,h,i)perylene	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Benzoic acid	NA	NA	NA	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UJ)	50 (U)
Benzyl alcohol	NA	NA	NA	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)
Benzyl butyl phthalate	7,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
bis(2-Chloroethoxy) methane	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
bis(2-Chloroethyl) ether	0.08	NA	NA	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)
bis(2-Chloroisopropyl) ether	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
bis(2-Ethylhexyl) phthalate	6.	NA	NA	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2 (U)
Chrysene	10.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Cresols, M & P	NA	NA	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)
Di-n-butyl phthalate	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Di-n-octylphthalate	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Dibenz(a,h)anthracene	0.01	NA	NA	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)
Dibenzofuran	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Diethyl phthalate	5,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Dimethyl phthalate	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Fluoranthene	1,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Fluorene	1,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Hexachlorobenzene	1.	1.	1.	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)
Hexachlorobutadiene	1.	NA	NA	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)
Hexachlorocyclopentadiene	50.	50.	50.	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (UM)
Hexachloroethane	1.	NA	NA	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)
Indeno(1,2,3-c,d)pyrene	0.1	0.4	NA	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)
Isophorone	100.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
n-Nitrosodi-n-propylamine	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
n-Nitrosodiphenylamine	20.	NA	NA	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)
Naphthalene	20.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	23.3
Nitrobenzene	20.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Pentachlorophenol	1.	1.	1.	*15 (U)	*12 (R)	*15 (U)	*12 (R)	*15 (U)	*12 (R)	*15 (U)	*12 (R)	*15 (U)
Phenanthrene	NA	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Phenol	4,000.	NA	NA	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (UJ)	5 (F)
Pyrene	1,000.	NA	NA	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)

COMPOUNDS	FT02-MW05	FT02-MW06	FT02-MW06	FT02-MW07	FT02-MW07	FT02-MW11	FT02-MW11	FT02-MW74	FT02-MW74	LF03-MW02	LF03-MW02	LF03-MW08
Sample Date:	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-03-2001	Nov-06-2000	Apr-04-2001	Nov-04-2000
Sample Round:	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3
Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Field Duplicate	Normal	Normal	Normal
SVOCs (UG/L)												
1,2,4-Trichlorobenzene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
1,2-Dichlorobenzene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
1,3-Dichlorobenzene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
1,4-Dichlorobenzene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
2,4,5-Trichlorophenol	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
2,4,6-Trichlorophenol	10 (R)	10 (U)	10 (R)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
2,4-Dichlorophenol	10 (R)	10 (U)	10 (R)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
2,4-Dimethylphenol	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
2,4-Dinitrophenol	*2.7 (R)	*11 (UM)	*2.7 (R)	*11 (UM)	*2.7 (UM)	*11 (UM)	*2.7 (UM)	*11 (UM)	*2.7 (UM)	*6.2 (R)	*2.7 (R)	*6.2 (UM)
2,4-Dinitrotoluene	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.4 (U)	*3 (U)	*1.5 (U)	*3 (U)	*1.5 (U)
2,6-dinitrotoluene	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.7 (U)	*2.5 (U)	*1.8 (U)	*2.5 (U)	*1.8 (U)
2-Chloronaphthalene	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)	10 (U)	10 (UM)
2-Chlorophenol	10 (R)	10 (U)	10 (R)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
2-Methylnaphthalene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
2-Methylphenol (o-cresol)	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
2-Nitroaniline	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
2-Nitrophenol	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
3,3'-Dichlorobenzidine	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)
3-Nitroaniline	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)
4,6-Dinitro-2-methylphenol	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UM)	50 (U)	50 (UM)	50 (U)	50 (UM)	50 (U)	50 (U)	50 (R)
4-Bromophenyl phenyl ether	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
4-Chloro-3-methylphenol	20 (UJ)	20 (U)	20 (UJ)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (UM)	20 (U)	20 (UM)
4-Chloroaniline	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (R)	20 (U)	20 (UM)
4-Chlorophenyl phenyl ether	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
4-Methylphenol (p-cresol)	10 (UJ)	NA	10 (UJ)	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA
4-Nitroaniline	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (R)	50 (U)	50 (U)
4-Nitrophenol	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (U)	50 (UM)	50 (U)	50 (R)
Acenaphthene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Acenaphthylene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Anthracene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Benzo(a)anthracene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Benzo(a)pyrene	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.2 (U)	*2.7 (U)	*1.6 (U)	*2.7 (U)	*1.6 (U)
Benzo(b)fluoranthene	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*0.81 (U)	*2.1 (U)	*1.4 (UJ)	*2.1 (U)	*1.4 (UJ)
Benzo(g,h,i)perylene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (R)	10 (U)	10 (R)
Benzoic acid	50 (UJ)	50 (U)	50 (UJ)	50 (U)	50 (UM)	50 (U)	50 (UM)	50 (U)	50 (UM)	50 (UM)	50 (UM)	50 (UM)
Benzyl alcohol	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)	20 (U)
Benzyl butyl phthalate	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (R)
bis(2-Chloroethoxy) methane	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
bis(2-Chloroethyl) ether	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.1 (U)	*2.4 (U)	*1.3 (UM)	*2.4 (U)	*1.3 (UM)
bis(2-Chloroisopropyl) ether	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
bis(2-Ethylhexyl) phthalate	*3 (U)	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2 (U)	*3 (U)	*2.1 (UJ)	*3 (U)	*2.1 (R)
Chrysene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Cresols, M & P	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)	NA	10 (U)
Di-n-butyl phthalate	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Di-n-octylphthalate	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Dibenz(a,h)anthracene	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (UM)	*2.4 (UM)	*1.4 (U)	*2.4 (U)	*1.4 (R)
Dibenzofuran	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
Diethyl phthalate	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Dimethyl phthalate	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Fluoranthene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Fluorene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Hexachlorobenzene	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*0.91 (U)	*3.2 (U)	*1.6 (U)	*3.2 (U)	*1.6 (U)
Hexachlorobutadiene	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	*0.97 (U)	*3.9 (U)	10 (U)	*3.9 (U)	10 (U)
Hexachlorocyclopentadiene	20 (R)	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (UM)	20 (R)	10 (R)	20 (R)	10 (R)
Hexachloroethane	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*0.98 (U)	*4.3 (U)	*1.4 (U)	*4.3 (U)	*1.4 (U)
Indeno(1,2,3-c,d)pyrene	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.3 (U)	*2.4 (U)	*1.7 (U)	*2.4 (U)	*1.7 (R)
Isophorone	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
n-Nitrosodi-n-propylamine	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
n-Nitrosodiphenylamine	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)	20 (U)	10 (U)
Naphthalene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
Nitrobenzene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Pentachlorophenol	*12 (R)	*15 (U)	*12 (R)	*15 (U)	*12 (U)	*15 (U)	*12 (U)	*15 (U)	*12 (U)	*7.2 (U)	*12 (U)	*7.2 (U)
Phenanthrene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)
Phenol	10 (UJ)	10 (U)	10 (UJ)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (UM)	10 (U)	10 (UM)
Pyrene	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)	10 (U)

Table B-6
Results for Metals and TPH During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	GW-FT02-MW01-0	GW-FT02-MW01-0	GW-FT02-MW02-0	GW-FT02-MW02-0	GW-FT02-MW03-0	GW-FT02-MW03-0	GW-FT02-MW04-0	GW-FT02-MW04-0	GW-FT02-MW05-0	GW-FT02-MW05-0
			Sample Date:	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-03-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS	GTARC	USEPA	MDNR										
METALS (mg/L)													
Aluminum	NA	0.05	0.05	4.25	33.6	50.8	12.6	2.01	4.11	1.66	1.48	0.0496 (BF)	1.92
Arsenic	0.05	0.05	0.05	0.005 (U)	0.0212 (B)	0.0265	0.0094 (B)	0.0036 (BF)	0.0062 (B)	0.005 (U)	0.005 (U)	0.0038 (BF)	0.005 (U)
Barium	2.	2.	2.	0.0632	0.28	0.511	0.16	0.049	0.0538	0.0234	0.0245	0.185	0.0173
Beryllium	0.004	0.004	0.004	0.002 (U)	0.0017 (F)	0.0019 (F)	0.0004 (BF)	0.002 (U)	0.0001 (BF)	0.002 (U)	0.0002 (BF)	0.002 (U)	0.002 (U)
Cadmium	0.005	0.005	0.005	0.002 (U)	0.002 (U)	0.0008 (F)	0.0007 (BF)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)
Chromium, total	0.1	0.1	0.1	0.0168	0.0762	0.18	0.118	0.035	0.0267	0.0082 (B)	0.0063	0.0014 (BF)	0.0037 (F)
Iron	NA	0.3	0.3	7.7	83.2	104	26.9	4.36	8.92	1.89	1.99	5.07	2.59
Lead	0.015	0.015	NA	0.005 (U)	0.0081	***0.0213***	0.0085	0.005 (U)	0.0015 (F)	0.005 (U)	0.0031 (F)	0.005 (U)	0.005 (U)
Manganese	0.05	0.05	0.05	0.469	2.09	5.1	0.617	0.947	0.368	0.0155 (B)	0.0193	2.68	0.0377
Molybdenum	0.04	NA	NA	0.0021 (BF)	0.0019 (BF)	0.0084	0.0028 (BF)	0.0043 (BF)	0.0008 (BF)	0.0026 (BF)	0.0033 (BF)	0.005 (U)	0.005 (U)
Nickel	0.1	0.1	NA	0.0188	0.091	***0.185***	0.0772	0.0332	0.0241	0.0081 (B)	0.0059	0.005 (U)	0.0092
Selenium	0.05	0.05	0.05	0.0042 (BF)	0.0031 (BF)	0.0115 (B)	0.01 (U)	0.0045 (BF)	0.01 (U)	0.036	0.0266	0.0037 (BF)	0.01 (U)
Thallium	0.002	0.002	0.002	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (B)	0.002 (U)	0.0018 (BF)
Vanadium	NA	NA	NA	0.0062 (F)	0.0517	0.0708	0.0179	0.0049 (F)	0.007 (F)	0.0018 (F)	0.003 (BF)	0.01 (U)	0.0031 (F)
TPH (Gasoline and Diesel Ranges)													
TPH-d	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TPH-g	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table B-6
Results for Metals and TPH During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	GW-FT02-MW06-0	GW-FT02-MW06-0	GW-FT02-MW07-0	GW-FT02-MW07-0	GW-FT02-MW11-0	GW-FT02-MW11-0	GW-FT02-MW74-0	GW-FT02-MW74-0	GW-LF03-MW02-0	GW-LF03-MW02-0
			Sample Date:	Oct-30-2000	Apr-03-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-02-2001	Oct-30-2000	Apr-03-2001	Nov-06-2000	Apr-04-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Field Duplicate	Normal	Normal
COMPOUNDS	GTARC	*USEPA*	MDNR										
METALS (mg/L)													
Aluminum	NA	0.05	0.05	*1.64*	*0.089*	*3.89*	*10*	*1.89*	*1.01*	*1.53*	*2.12*	*56.9*	*43.4 (J)*
Arsenic	0.05	0.05	0.05	0.005 (U)	0.0052 (B)	0.005 (U)	0.0084 (B)	0.0051 (B)	0.0072 (B)	0.0025 (BF)	0.005 (U)	0.0239	0.0132 (B)
Barium	2.	2.	2.	0.0165	0.0807	0.105	0.165	0.2	0.425	0.0166	0.018	0.693	0.541
Beryllium	0.004	0.004	0.004	0.002 (U)	0.002 (U)	0.002 (U)	0.0007 (BF)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.0021	0.0015 (BF)
Cadmium	0.005	0.005	0.005	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.0008 (F)	0.002 (U)
Chromium, total	0.1	0.1	0.1	0.0057 (B)	0.0017 (BF)	0.0105 (B)	0.0282	0.0384	0.0592	0.0058 (B)	0.0039 (F)	0.09	0.0483 (J)
Iron	NA	0.3	0.3	*1.87*	*1.24*	*4.72*	*14*	*2.02*	*1.73*	*1.71*	*2.91*	*68.4*	*48.7 (J)*
Lead	0.015	0.015	NA	0.005 (U)	0.005 (U)	0.0026 (F)	0.0095	0.0026 (F)	0.0023 (F)	0.005 (U)	0.001 (F)	***0.0338***	***0.0187***
Manganese	0.05	0.05	0.05	0.0377	*0.309*	*0.0548*	*0.149*	0.0167	0.0172	0.0392	0.0406	*1.17*	*0.688 (J)*
Molybdenum	0.04	NA	NA	0.005 (U)	0.0018 (BF)	0.005 (U)	0.001 (BF)	0.0081	0.0045 (BF)	0.005 (U)	0.005 (U)	0.0069 (B)	0.0015 (BF)
Nickel	0.1	0.1	NA	0.0119	0.0026 (BF)	0.0122	0.0226	0.0333	0.0368	0.012	0.0095	0.0727	0.0415
Selenium	0.05	0.05	0.05	0.01 (U)	0.01 (U)	0.0053 (BF)	0.01 (U)	0.0041 (BF)	0.01 (U)	0.0026 (BF)	0.01 (U)	0.0046 (F)	0.01 (U)
Thallium	0.002	0.002	0.002	0.002 (U)	0.0011 (BF)	0.002 (U)	0.0005 (BF)	0.002 (U)	0.0006 (BF)	0.002 (U)	0.0006 (BF)	0.002 (U)	0.002 (U)
Vanadium	NA	NA	NA	0.0023 (F)	0.0012 (BF)	0.0049 (F)	0.0123	0.0081 (F)	0.0048 (F)	0.0019 (F)	0.003 (BF)	0.116	0.0807
TPH (Gasoline and Diesel Ranges)													
TPH-d	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.05 (U)	0.21
TPH-g	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.05 (U)	0.05 (U)

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Table B-6
Results for Metals and TPH During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	GW-LF03-MW08-01	GW-LF03-MW08-04	GW-LF03-MW10-01	GW-LF03-MW10-04	GW-LF03-MW11-01	GW-LF03-MW11-04	GW-LF03-MW12-01	GW-LF03-MW12-04	GW-LF03-MW70-01	GW-LF03-MW70-04
			Sample Date:	Nov-04-2000	Apr-04-2001	Nov-04-2000	Apr-05-2001	Nov-04-2000	Apr-04-2001	Nov-03-2000	Apr-06-2001	Nov-04-2000	Apr-04-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Field Duplicate
COMPOUNDS	GTARC	*USEPA*	MDNR										
METALS (mg/L)													
Aluminum	NA	0.05	0.05	4.56	1.62 (J)	4.26	0.99 (J)	1.69	0.327 (J)	1.49	1.78	1.97	0.223 (J)
Arsenic	0.05	0.05	0.05	0.0037 (F)	0.005 (U)	0.005 (U)	0.005 (R)	0.005 (U)	0.005 (U)	0.005 (U)	0.005 (U)	0.0032 (F)	0.005 (U)
Barium	2.	2.	2.	0.142	0.118	0.155	0.143	0.199	0.187	0.0997	0.1	0.198	0.186
Beryllium	0.004	0.004	0.004	0.002 (U)	0.0001 (BF)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)
Cadmium	0.005	0.005	0.005	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)	0.002 (U)
Chromium, total	0.1	0.1	0.1	0.0674	0.0038 (FBJ)	0.0245	0.004 (BF)	0.0068	0.0053 (BJ)	0.0277	0.0152	0.0123	0.0028 (FBJ)
Iron	NA	0.3	0.3	5.98	2.34 (J)	5.16	1.22 (J)	1.92	0.473 (J)	2.86	3.11	2.04	0.268 (BJ)
Lead	0.015	0.015	NA	0.0051	0.0021 (BF)	0.0018 (F)	0.005 (U)	0.005 (U)	0.005 (U)	0.005 (U)	0.005 (U)	0.005 (U)	0.005 (U)
Manganese	0.05	0.05	0.05	0.215	0.0281 (J)	0.0664	0.026	0.0343	0.0078 (J)	0.0471	0.0516	0.0348	0.0045 (BJ)
Molybdenum	0.04	NA	NA	0.0131	0.0015 (BF)	0.0034 (BF)	0.0009 (BF)	0.005 (U)	0.0006 (BF)	0.0033 (BF)	0.0006 (BF)	0.005 (U)	0.005 (UB)
Nickel	0.1	0.1	NA	0.0615	0.0039 (BF)	0.0162	0.0049 (BF)	0.0043 (F)	0.0025 (BF)	0.0184	0.008	0.0081	0.0011 (BF)
Selenium	0.05	0.05	0.05	0.01 (U)	0.01 (U)	0.01 (U)	0.01 (U)	0.0035 (F)	0.0035 (BF)	0.0116	0.0113	0.0044 (F)	0.0031 (BF)
Thallium	0.002	0.002	0.002	0.002 (U)	0.0007 (BF)	0.002 (U)	0.0011 (BF)	0.002 (U)	0.002 (U)	*0.0015 (U)	0.002 (U)	0.002 (U)	0.002 (U)
Vanadium	NA	NA	NA	0.0086 (F)	0.0034 (BF)	0.0099 (F)	0.0024 (BF)	0.0031 (F)	0.0013 (BF)	0.0038 (F)	0.0038 (F)	0.0036 (F)	0.0006 (BF)
TPH (Gasoline and Diesel Ranges)													
TPH-d	NA	NA	NA	0.05 (U)	0.027 (F)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)
TPH-g	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)

Table B-7
Results for Pesticides and PCBs During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	LF03-MW02	LF03-MW02	LF03-MW08	LF03-MW08	LF03-MW10	LF03-MW10	LF03-MW11	LF03-MW11	LF03-MW12	LF03-MW12
			Sample Date:	Nov-06-2000	Apr-04-2001	Nov-04-2000	Apr-04-2001	Nov-04-2000	Apr-05-2001	Nov-04-2000	Apr-04-2001	Nov-03-2000	Apr-06-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS	GTARC	USEPA	MDNR										
PESTICIDES (UG/L)													
Aldrin	0.02	NA	NA	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0042 (U)
Alpha endosulfan	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
alpha-BHC	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
alpha-Chlordane	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Beta endosulfan	NA	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
beta-BHC	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
delta-BHC	NA	NA	NA	0.05 (U)	0.05 (UM)	0.05 (U)	0.05 (UM)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (UM)	0.05 (U)	0.1 (U)
Dieldrin	0.02	NA	NA	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0044 (U)
Endosulfan sulfate	NA	NA	NA	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.7 (U)
Endrin	2.	2.	2.	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
Endrin aldehyde	2.	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
gamma-BHC (Lindane)	0.2	0.2	0.2	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
gamma-Chlordane	NA	NA	NA	0.05 (UM)	0.05 (U)	0.05 (UM)	0.05 (U)	0.05 (UM)	0.05 (U)	0.05 (UM)	0.05 (U)	0.05 (U)	0.1 (U)
Heptachlor	0.4	0.4	0.4	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Heptachlor epoxide	0.2	0.2	0.2	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Methoxychlor	40.	40.	40.	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	1 (U)
p,p'-DDD	0.4	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
p,p'-DDE	0.3	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
p,p'-DDT	0.3	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
Toxaphene	3.	3.	NA	2 (U)	0.5 (U)	2 (U)	0.5 (U)	2 (U)	0.5 (U)	2 (U)	0.5 (U)	2 (U)	1 (U)
PCBs (UG/L)													
PCB-1016 (Arochlor 1016	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.3 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.3 (U)
PCB-1221 (Arochlor 1221	NA	0.5	NA	*0.7 (U)	*0.21 (U)	*0.7 (U)	*0.21 (U)	*0.7 (U)	*0.42 (U)	*0.7 (U)	*0.21 (U)	*0.7 (U)	*0.42 (U)
PCB-1232 (Arochlor 1232	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)
PCB-1242 (Arochlor 1242	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)
PCB-1248 (Arochlor 1248	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)
PCB-1254 (Arochlor 1254	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.17 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.17 (U)
PCB-1260 (Arochlor 1260	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.22 (U)	0.5 (U)	0.5 (U)	0.5 (U)	*0.22 (U)

Table B-7
Results for Pesticides and PCBs During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	LF03-MW70	LF03-MW70	SS15-MW07	SS15-MW07	SS15-MW08	SS15-MW08	SS15-MW09	SS15-MW09
			Sample Date:	Nov-04-2000	Apr-04-2001	Nov-04-2000	Apr-06-2001	Nov-05-2000	Apr-05-2001	Nov-05-2000	Apr-06-2001
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4
			Sample Type:	Field Duplicate	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS	GTARC	USEPA	MDNR								
PESTICIDES (UG/L)											
Aldrin	0.02	NA	NA	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0042 (U)	*0.0014 (U)	*0.0021 (U)	*0.0014 (U)	*0.0042 (U)
Alpha endosulfan	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
alpha-BHC	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
alpha-Chlordane	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Beta endosulfan	NA	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
beta-BHC	NA	NA	NA	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
delta-BHC	NA	NA	NA	0.05 (U)	0.05 (UM)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Dieldrin	0.02	NA	NA	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0044 (U)	*0.001 (U)	*0.0022 (U)	*0.001 (U)	*0.0044 (U)
Endosulfan sulfate	NA	NA	NA	0.35 (U)	0.35 (U)	0.35 (U)	0.7 (U)	0.35 (U)	0.35 (U)	0.35 (U)	0.7 (U)
Endrin	2.	2.	2.	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
Endrin aldehyde	2.	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
gamma-BHC (Lindane)	0.2	0.2	0.2	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
gamma-Chlordane	NA	NA	NA	0.05 (UM)	0.05 (U)	0.05 (UM)	0.1 (U)	0.05 (UM)	0.05 (U)	0.05 (UM)	0.1 (U)
Heptachlor	0.4	0.4	0.4	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Heptachlor epoxide	0.2	0.2	0.2	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)	0.05 (U)	0.05 (U)	0.05 (U)	0.1 (U)
Methoxychlor	40.	40.	40.	0.5 (U)	0.5 (U)	0.5 (U)	1 (U)	0.5 (U)	0.5 (U)	0.5 (U)	1 (U)
p,p'-DDD	0.4	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
p,p'-DDE	0.3	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
p,p'-DDT	0.3	NA	NA	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)	0.1 (U)	0.1 (U)	0.1 (U)	0.2 (U)
Toxaphene	3.	3.	NA	2 (U)	0.5 (U)	2 (U)	1 (U)	2 (U)	0.5 (U)	2 (U)	1 (U)
PCBs (UG/L)											
PCB-1016 (Arochlor 1016	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*0.3 (U)	0.5 (U)	*0.3 (U)	0.5 (U)	*0.3 (U)
PCB-1221 (Arochlor 1221	NA	0.5	NA	*0.7 (U)	*0.21 (U)	*0.7 (U)	*0.42 (U)	*0.7 (U)	*0.42 (U)	*0.7 (U)	*0.42 (U)
PCB-1232 (Arochlor 1232	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)
PCB-1242 (Arochlor 1242	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)
PCB-1248 (Arochlor 1248	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)	0.5 (U)	*1 (U)
PCB-1254 (Arochlor 1254	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*0.17 (U)	0.5 (U)	*0.17 (U)	0.5 (U)	*0.17 (U)
PCB-1260 (Arochlor 1260	NA	0.5	NA	0.5 (U)	0.5 (U)	0.5 (U)	*0.22 (U)	0.5 (U)	*0.22 (U)	0.5 (U)	*0.22 (U)

Table B-8
Results for Herbicides During Groundwater Sampling Events
Groundwater Monitoring Summary Report
Whiteman AFB, Missouri

			Location ID:	LF03-MW02	LF03-MW02	LF03-MW08	LF03-MW08	LF03-MW10	LF03-MW10	LF03-MW11	LF03-MW11	LF03-MW12
			Sample Date:	Nov-06-2000	Apr-04-2001	Nov-04-2000	Apr-04-2001	Nov-04-2000	Apr-05-2001	Nov-04-2000	Apr-04-2001	Nov-03-2000
			Sample Round:	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3	Round 4	Round 3
			Sample Type:	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
COMPOUNDS	**GTARC**	*USEPA*	MDNR									
HERBICIDES (UG/L)												
2,4 Db	NA	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
2,4,5-t (trichlorophenoxyacetic Acid	70.	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
2,4-d (dichlorophenoxyacetic Acid)	70.	70.	70.	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (UM)	0.5 (U)	0.5 (U)	0.5 (U)
Dalapon	NA	200.	200.	1 (UM)	1 (U)	1 (UM)	1 (U)	1 (UM)	1 (R)	1 (UM)	1 (U)	1 (U)
Dicamba	0.2	NA	NA	***0.21 (U)**	*0.13 (U)	***0.21 (U)**	*0.13 (U)	***0.21 (U)**	*0.13 (U)	***0.21 (U)**	*0.13 (U)	***0.21 (U)**
Dichloroprop	200.	NA	NA	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)	0.5 (U)
Dinoseb	7.	7.	7.	0.5 (UM)	0.5 (U)	0.5 (UM)	0.5 (U)	0.5 (UM)	0.5 (UM)	0.5 (UM)	0.5 (U)	0.5 (U)
Mcpa	NA	NA	NA	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)
Mcpp	NA	NA	NA	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)	100 (U)
Silvex (2,4,5-tp)	NA	50.	50.	0.5 (R)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (R)	0.5 (U)	0.5 (R)

Appendix E – EBS Information Search Checklist

BE&K/Terranext Project Number: 17102205

Kara M. Taylor

INFORMATION SEARCH CHECKLIST

- ■ Maps/Atlases/Photographs
  - [X] Topographical - USGS
  - [X] Wetlands Delineation Maps
  - [X] Glacial Deposits
  - [X] Bedrock type & depth
  - [X] Watershed
  - [X] Aquifer classifications
  - [X] Water Table/Potentiometric
  - [ ] Mineral Resources
  - [ ] Oil & Gas Information
  - [ ] Seismic
  - [X] Critical Wildlife Habitat
  - [X] Endangered Species
  - [X] Aerial photos (back to 1940 in 15 yr int.)
  - [X] Sanborn & City Atlases
  - [ ] Fire Insurance Plans
  - [X] Soil Conservation Survey Maps
- ■ Regulatory
  - State/Federal Records
  - ■ Federal Records
    - [X] CERCLIS
    - [X] NPL
    - [X] RCRA-TSD
    - [X] RCRA Generator List
    - [X] ERNS
  - ■ State Records
    - [X] State CERCLIS
    - [X] State NPL (SPL)
    - [X] State Solid Waste Disposal Facility List
    - [X] LUST List
    - [X] UST Permit List
    - [X] AST Permit List
  - [ ] SARA Title III Reports
- ■ Public Records
  - [ ] Polk records, County, City, & State Directories
  - [X] Engineering Plans/Gas/Water/Electric Utility Maps
  - [ ] Gas Utility Plans/Maps
  - [X] Water Utility Plans/Maps
  - [X] Electric Utility Plans/Maps
- ■ Surface/Subsurface Data
  - [ ] Soil Borings, Test Pits, or Excavations
  - [ ] Blasting or Borrow Pit Areas
  - [ ] Backfill around Site
  - [ ] Local/County Officials
- ■ Phone Surveys/Interviews
  - [ ] Registry of Deeds
  - [ ] Tax Collector/Assessor
  - [ ] Board of Health/Health Investigators
  - [ ] Fire Department
  - [ ] Planning/Zoning Board
  - [ ] Sanitary Districts
  - [ ] Building Inspector
  - [ ] County Commissioner
  - [ ] Engineering Department
  - [ ] Department of Public Works
  - [ ] Water/Sewer Department
  - [ ] Emergency Response Personnel
  - [ ] Zoning & Planned Use Issues
- ■ Agriculture/Livestock History
  - [ ] Fruits and Vegetables
  - [ ] Field Crops
  - [ ] Livestock
- Facility History
- ■ Radon Assessment
  - [X] Consultant radon survey
  - [ ] Drinking water survey
  - [ ] On-site radon test results

BE&K/Terranext Project Number: 17102205

- ■ State/Federal Databases
  - X AIRS
  - X DOCKET
  - X CMEL
  - X RAATS
  - X CDS
  - X FINDS
  - X FTTS
  - X NESHAPS
  - X PADS
  - X PCS
  - X RODS
  - X SETS
  - X TRIS
  - X TSCA
- ■ Environmental Information Firms
  - See Appendix B
- ■ Additional Hazards
  - ☐ UFFI Survey
  - ☐ Interior air test results
  - ☐ Lead paint survey
  - ☐ Lead in drinking water test results
  - ☐ Pesticide/Herbicide Management Survey
  - ☐ Facility spill reports
- ■ Buildings
  - ☐ Improvement records
  - ☐ Plans & Specifications
  - ☐ Directories for Prior Owner/Tenant
  - ☐ Environmental site assessment reports
  - X Environmental audit reports
  - ☐ Community Right-To-Know Plan
  - ☐ Geotechnical studies
  - ☐ Process Flow Charts
  - ☐ Raw Materials Inventory
  - ☐ Safety plans
  - ☐ Waste Disposal Records/Manifests
- ■ Asbestos Assessment
  - ☐ Building const. Rehab. Specs.
  - ☐ Engineer's/Consultant's asbestos rpt.
- ■ Polychlorinated Biphenyls
  - ☐ Utility transformer records
  - ☐ Site survey of transformers
  - ☐ Site soil, groundwater PCB tests
- ■ Underground Storage Tanks (USTs)
  - ☐ Oil, motor fuel and waste oil systems reports
  - ☐ Site soil and groundwater tests
  - X Site tank survey
- ■ Real Estate Records (50 years)
  - ☐ Deeds
  - ☐ Leases
  - ☐ Easements
  - ☐ Liens
  - ☐ Property tax records
  - ☐ Real estate sales persons
  - ☐ Trial court records for liens
  - ☐ Zoning/land use records
  - ☐ Restrictive covenants of record
- ■ Miscellaneous Sources
  - ☐ Historical Societies
  - ☐ Libraries
  - ☐ U.S. Coast Guard Spill Reports
  - X EPA
  - X USGS
  - ☐ Defense Technical Information Center (DTIC)
  - X U.S. Army Environmental Center Technical Info. Center
  - ☐ Alt. Sources Assoc. w/ Installations
  - ☐ Universities
  - X Map Archives
  - ☐ Phone Directories
  - ☐ DoD Nonstockpile Chemical Material Program

BE&K/Terranext Project Number: 17102205

- [ ] Soil and Gas Surveys
- [ ] Business Directories
- [ ] Facility Maintenance Records/MSDS Lists
- [ ] Enforcement Order/Agency Inspection
- [ ] Insurance & Environmental documents
- [ ] Building Zoning Records
- [X] Water Supply Data & Water Information
- [ ] Geophysical Surveys

Permits

- [ ] Corps of Engineers (COE) Permits
- [X] Standard Industrial Code (SIC)
- [ ] Storm Water Runoff Permits
- [X] RCRA Permits
- [X] Clean Air Act (CAA) Permits
- [X] National Pollutant Discharge Elimination System (NPDES) Permits

Facility Operations Record

- [ ] Spill Prevention Control & Countermeasure (SPCC) Plan
- [ ] Material Safety Data Sheets
- [ ] Occupational Safety & Health Administration (OSHA) Right-to-Know Claims
- [ ] Security Exchange Commission (SEC) and Environmental Finding
- [ ] FINDS Index

State Organizations

- [ ] Waste Management Board
- [ ] Regional Water Quality Control Board
- [ ] State Department of Health Services
- [ ] Air Quality Management District
- [X] Geology Department
- [ ] Department of Pollution Control

Studies/Audits

- [X] NEPA (Rec & Check, EAs, EISs)
- [ ] Historical/Cultural Resources Plans
- [X] Facility Environmental or Training Office
- [ ] Facility Training Office
- [ ] ACTS
- [ ] ECAS
- [ ] DB1383
- [ ] Self Audits
- [ ] FUDS

Appendix F - Terms

BE&K/Terranext 13202 West 98th Street Lenexa, Kansas 66215

July 2, 2001

Mr. Ross Reed
Missouri National Guard
NGMO-EM
2302 Militia Drive
Jefferson City, Missouri 65101-1203

Re: Proposal to Perform Environmental Baseline Study (EBS)
Whiteman Airforce Base, Missouri

Dear Mr. Reed:

Thank you for the opportunity to provide this proposal to conduct an Environmental Baseline Study (EBS) on behalf of the Missouri Army National Guard. Information provided by your office indicates that the site consists of a five (5) acre tract of land located on Whiteman Airforce Base, Missouri. No improvements currently exist on the site.

We understand that the Missouri Army National Guard wishes to secure BE&K/Terranext's services pursuant to Contract No. C301094002, executed between BE&K/Terranext and the State of Missouri, Office of Administration, Division of Purchasing and Materials, and have prepared this proposal accordingly.

Scope of Work

The proposed Environmental Baseline Study (EBS) activities will be performed in accordance with the EBS Standard Operating Procedures (SOP) published in February 1999 and the following scope of work.

The purpose of the proposed EBS activities will be to make appropriate inquiry into past and present uses of the subject property in order to evaluate information regarding environmental conditions on-site and at properties located within the radius of study that may have adverse environmental impacts upon the subject property. Services performed will include the following:

Telephone: 913 894•4000 Facsimile: 913 894•5983 www.bektnxt.com

- Site Inspection - BE&K/Terranext will conduct a visual inspection of the site for identification of the following conditions and materials:

  Hazardous materials/solid wastes used and stored, generated or disposed at the site;
  Waste management practices and related equipment;
  USTs;
  ASTs;
  Potential polychlorinated biphenyl (PCB) sources.

  During the site inspection, a Global Positioning Systems (GPS) unit will be utilized to obtain horizontal location data of the site boundaries and other major site features (e.g., building corners, parking surface corners, etc.).

- Limited Site Sampling - The EBS SOP does not require collection of environmental samples. If necessary, environmental samples (including, PCB-contaminated materials, petroleum hydrocarbons, etc.) would be collected during a Phase II EBS of the site.

- Photo Documentation - Photographs will be taken to document major site features, sample collection locations, and conditions of potential environmental concern.

- Interviews - Interviews will be conducted with available site employees and/or public officials knowledgeable of past and present site usage and conditions.

- Surrounding Property Inspection - BE&K/Terranext will visually inspect surrounding properties through review of available aerial photographs and from public accessways (i.e. adjacent sidewalks, alleys, roadways, etc.) to identify conditions which may create adverse environmental conditions at the subject property.

- Historical Ownership and Operations Research - BE&K/Terranext will investigate past ownership and use of the property through use of some or all of the following resources:

  Historical aerial photographs;
  50-year title chain;
  City building/demolition permits and records;
  Zoning files;
  Interviews with City/County public officials knowledgeable about the subject property and surrounding area current and historical usage;
  Land use maps (i.e. insurance maps, topographical maps); and
  Local historical society resources.

- Records Review - BE&K/Terranext will review readily accessible public and private documents to attempt to identify the following information:

  storage facilities, including USTs and ASTs;
  dumps or landfills;
  reported spills or incidents;
  cleanups;
  enforcement actions; and,
  off-site contamination (via surface water, ground water, or air).

  Local, state and federal database searches will include but not be limited to:

  Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS);
  National Priority Listings (NPL);
  Resource Conservation and Recovery Act (RCRA);
  Emergency Response Notification System (ERNS);
  State Priority Listing (SPL);
  UST and Leaking UST (LUST) lists; and,
  Local Hazardous Material Response Team/Fire Department records.

- State and Federal Permit History - BE&K/Terranext will research current and historical state and federal environmental permits that may have been issued for current and/or past property operations (e.g. air emissions, NPDES, water wells).

- Investigation for Special Resources - BE&K/Terranext will research readily accessible information regarding:

  Threatened and endangered species;
  Wetlands and wilderness areas;
  Conservation and recreational areas;
  Developed, undeveloped, and 100-year flood plains and Wild and Scenic Rivers;
  Scientific significance;
  National natural landmarks;
  Sole source aquifers and associated undeveloped properties;
  Historic property;
  Undeveloped coastal zones (Coastal Barrier Resource System); and
  Erosion problems.

- Report - The report shall document the project scope of work, activities conducted by BE&K/Terranext, findings of the site investigation and records review, conclusions and recommendations for Phase II EBS activities as necessary. The report will also include a Global Information Systems (GIS) map of the site boundaries and major site features. A digital file of GPS data will be provided with the report.

BE&K/Terranext will utilize a contracted firm to obtain state and federal records listed in the scope of work. Utilization of such a firm allows BE&K/Terranext to bypass the waiting periods (15 to 180 days) typically encountered at state and federal levels when requesting information under the Freedom of Information Act (FOIA). Additionally, use of a contract firm for the records search will significantly reduce BE&K/Terranext's labor expenditures.

Project Completion Schedule

BE&K/Terranext will perform the site inspection and local record reviews within 20 days of the receipt of a signed agreement. BE&K/Terranext will provide a verbal update regarding the findings of the site inspection and records search and preliminary recommendations to the client prior to completion of the final report. In accordance with the Schedule contained in the Request for Proposal, the draft report will be submitted to the client within 45 days of receipt of a signed agreement. The Pre-Final Report will be submitted within 14 days of receiving comments, and the Final Report will be submitted within 14 days of receiving comments.

Assumptions and Limitations

BE&K/Terranext will perform the proposed services in a manner consistent with the level of care and expertise exercised by members of the environmental auditing/risk assessment profession relative to Environmental Baseline Studies. This proposal and project completion schedule has been developed in consideration of the following assumptions:

- Right-of-entry agreements or other legal access requirements, if necessary, will be secured by the Missouri Army National Guard within 5 days of receipt of a signed agreement.

- No sampling of environmental media will be conducted under the EBS scope of work.

Cost Estimate

BE&K/Terranext proposes to perform the scope of work for the amount, not-to-exceed [redacted]. If the Missouri Army National Guard performs the GPS survey, there will be no additional cost. If BE&K/Terranext is to perform the GPS survey, the additional cost will be [redacted] for a total amount, not-to-exceed [redacted]. This estimate includes expenses, labor, materials, and subcontract costs, as presented on the cost estimate included in Attachment I.

During the course of the project, unanticipated circumstances may be encountered that require additional time and/or materials to complete the project. If this occurs, the client will be promptly informed of the situation, and an estimate will be provided for approval prior to commitment of additional resources by BE&K/Terranext.

Upon receipt of a written notice to proceed, BE&K/Terranext will initiate the proposed services and schedule the site inspection in accordance with the project completion schedule described in this proposal. If you have any questions regarding this proposal, please contact the undersigned at (913) 894-4000. We appreciate the opportunity to provide continuing environmental services to the Missouri Army National Guard.

Sincerely,

BE&K/TERRANEXT

Kara M. Taylor

Kara M. Taylor
Geologist I

Ed Creaden

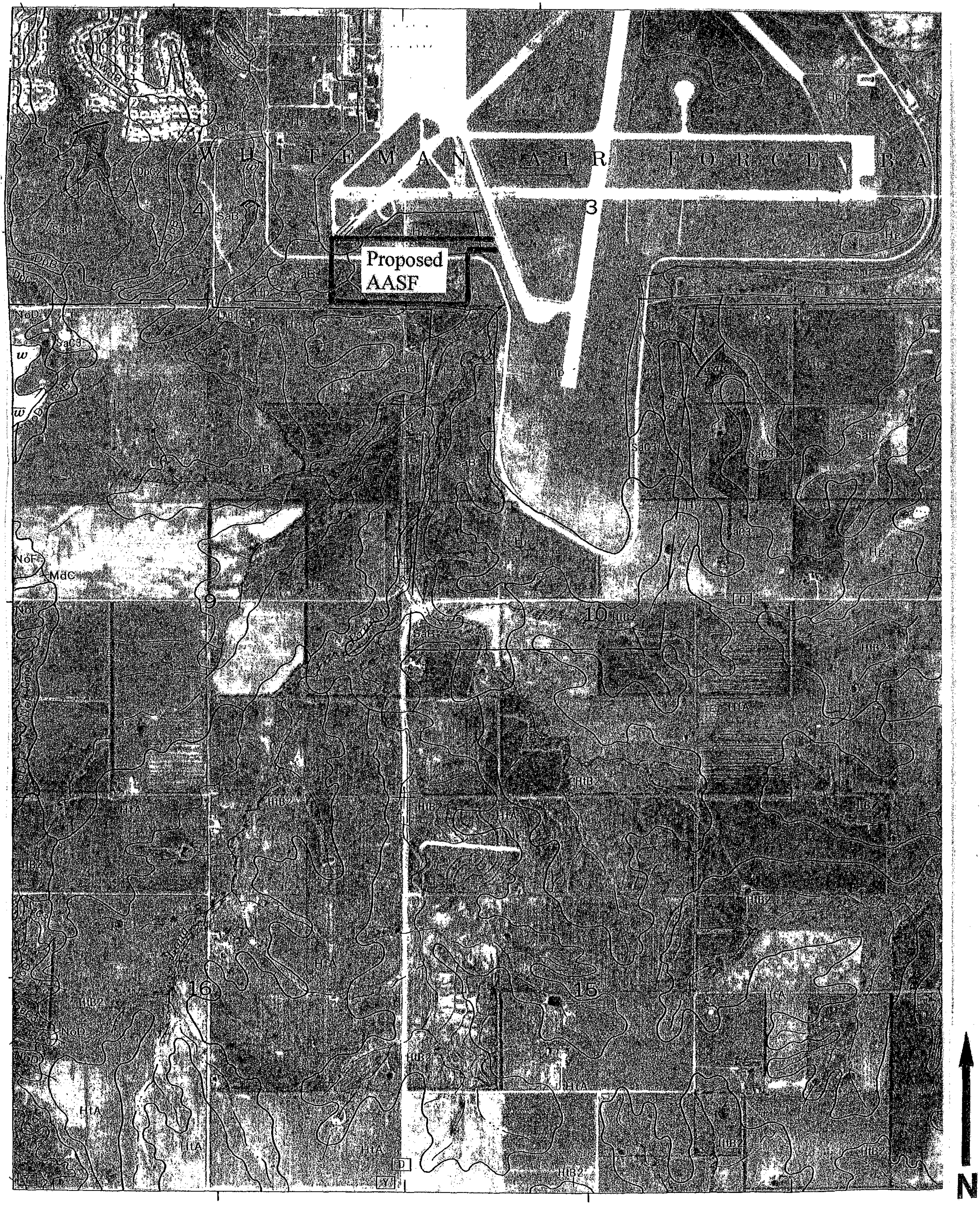
Edward S. Creaden
Manager, Midwest Operations

kmt/esc

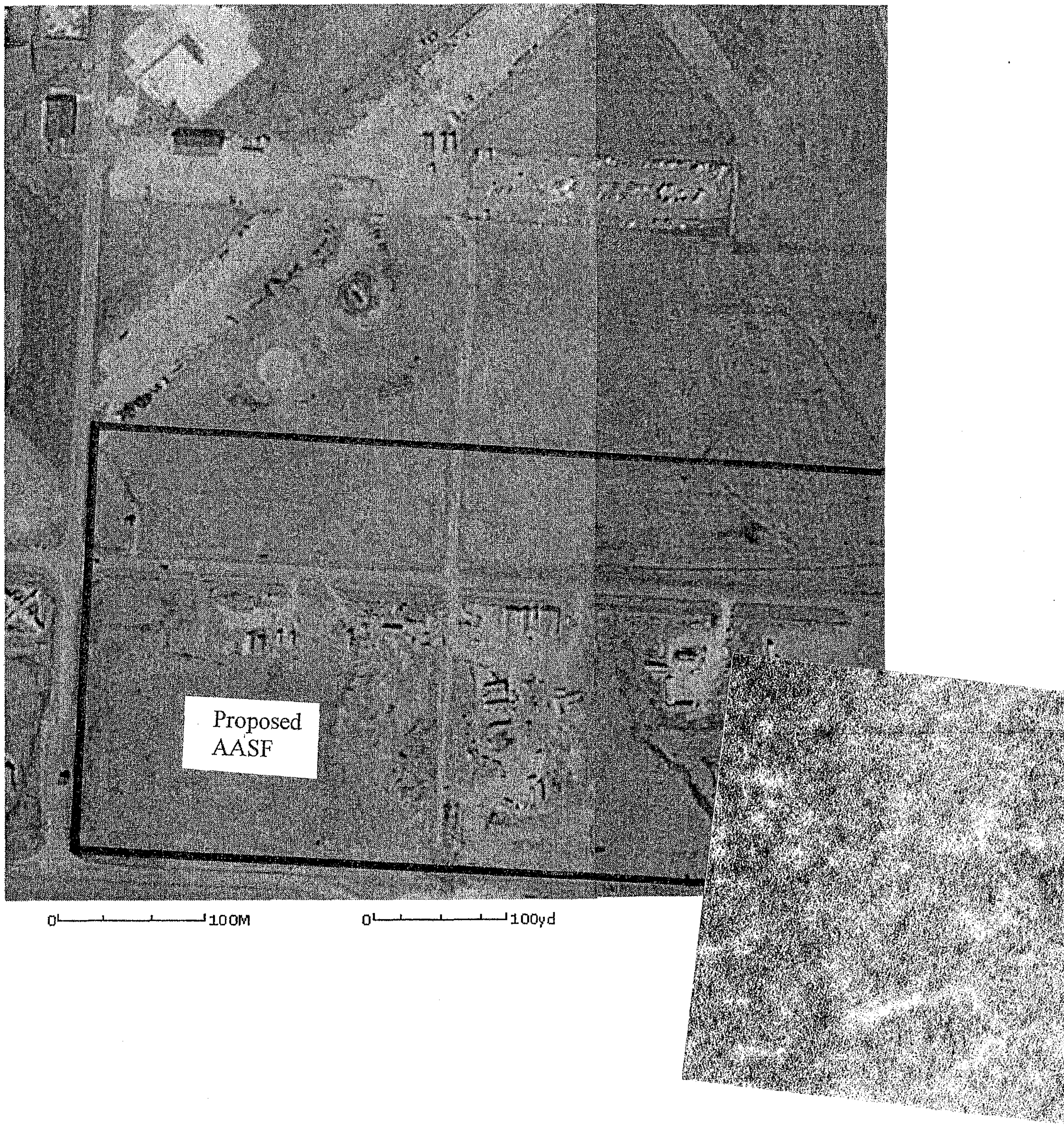
Attachment

Appendix G - Maps

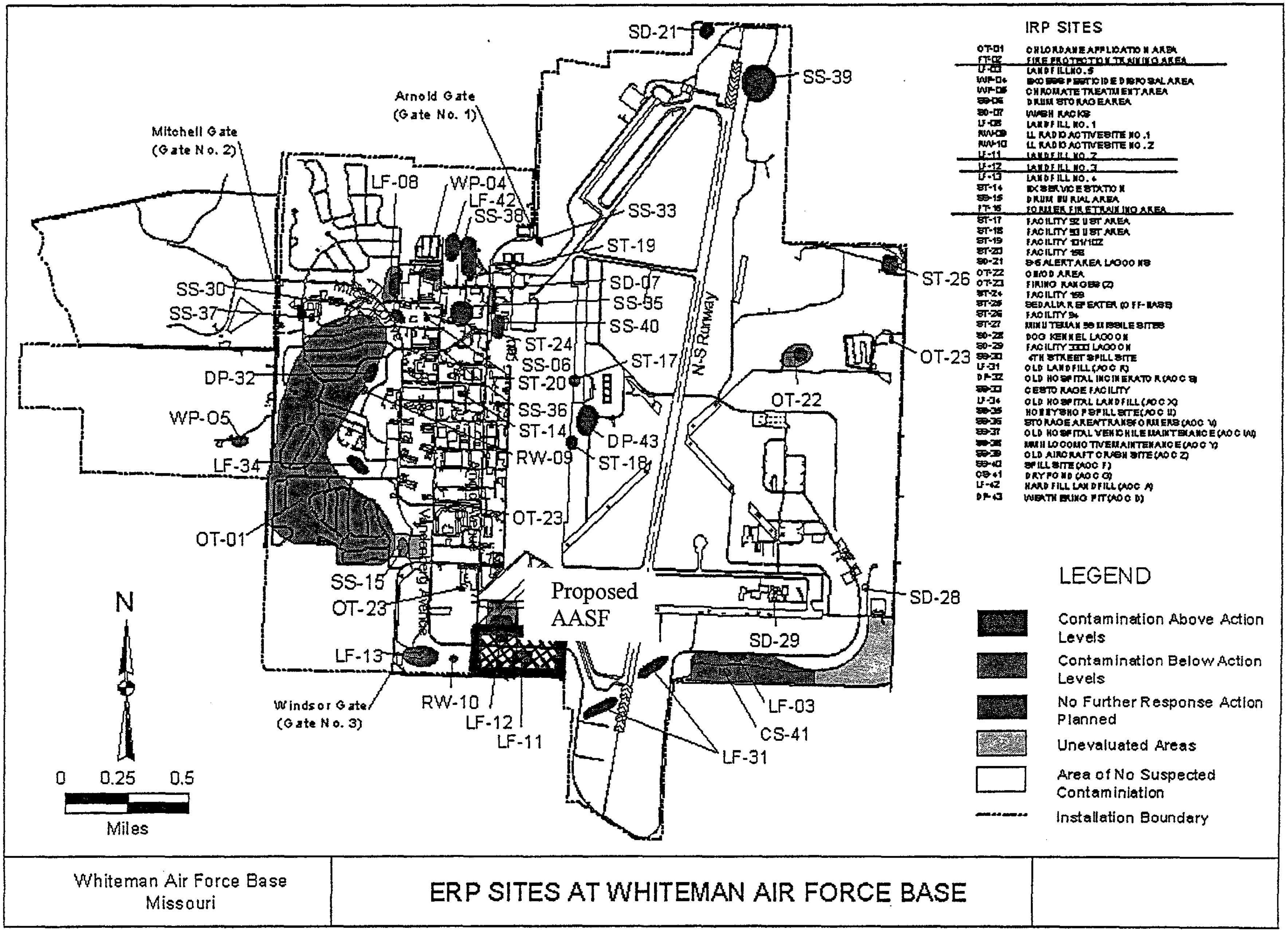
Appendix G – Figure 1
Sheet 43 of the *Soil Survey of Johnson County, MO (1980)*



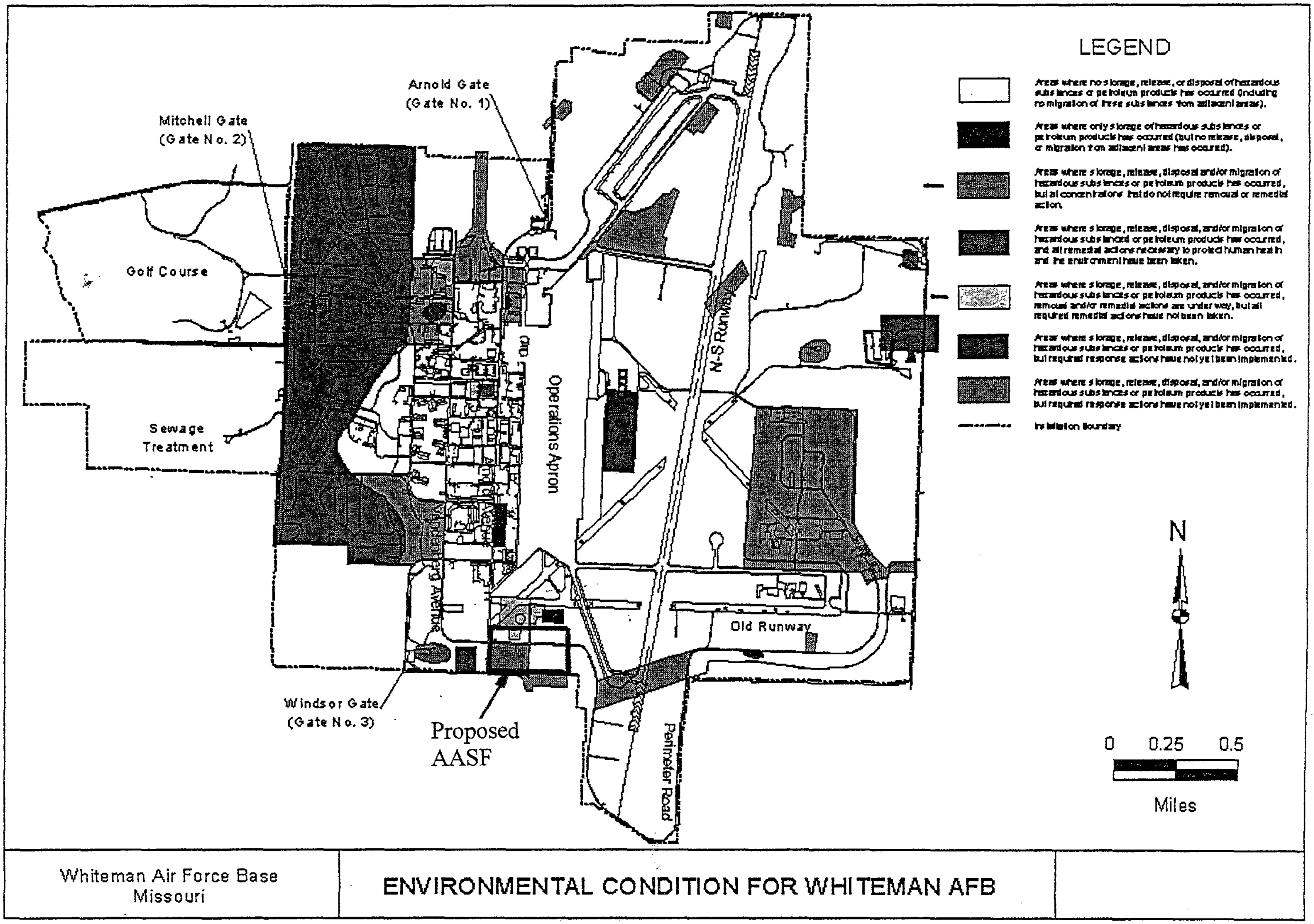
Appendix G – Figure 2
USGS Aerial Photograph (1996/1997) obtained from *Microsoft TerraServer.*



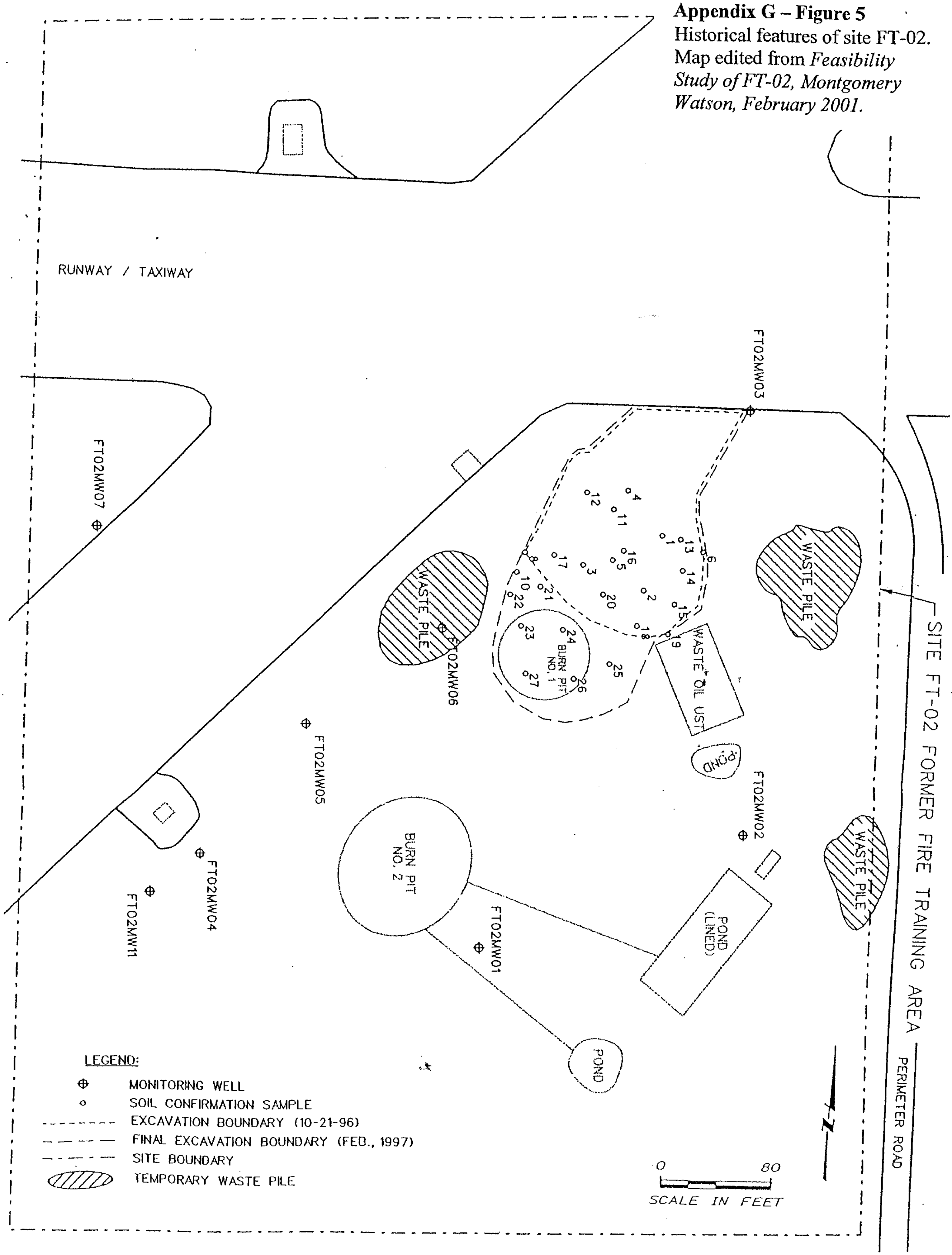
Appendix G – Figure 3
Whiteman AFB Diagram showing Environmental Remediation Project sites, of which FT-02, FT-16, LF-11, and LF-12 are of concern for this EBS. *Management Action Plan, WhitemanAir Force Base, December 1999.*



Appendix G – Figure 4
Whiteman AFB Diagram showing
Environmental Conditions of Property Areas.
Management Action Plan, Whiteman Air Force Base, December 1999.



Appendix G – Figure 5
Historical features of site FT-02.
Map edited from *Feasibility Study of FT-02, Montgomery Watson, February 2001.*



Appendix H – Ownership/Historical Documentation

Real Estate Research
& Information

2055 East Rio Salado Parkway
Tempe, Arizona 85281
(480) 967-6752
(480) 966-9422 Fax
www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

WHITEMAN AIR FORCE BASE-AASF
907 ARNOLD AVENUE
WHITEMAN AIR FORCE BASE, MISSOURI

Submitted to:

ENVIRONMENTAL DATA RESOURCES
C/O
B E & K TERRANEXT
13202 West 98th Street
Lenexa, Kansas 66215
913-894-4000

Attention: Ms. Kara M. Taylor

Project No. N01-1176

August 7, 2001

NETR-Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

All that certain piece or parcel of land, being 544.82 acres all in Section 3, except two (2) tracts in the Southwest ¼ of the Southwest ¼ and the East 59.98 of the South ¼ all in Township 45, Range 24 in the County of Johnson, State of Missouri

Assessor's Parcel No.: 044-21-02-03-001

1. HISTORICAL CHAIN OF TITLE

1. The subject property is currently owned by the United States of America. Records were researched at the Johnson County Assessors' and Recorders' Office back to 1940. No transfer of ownership into or out of the United States was found of record. Based on our research, it appears the United States of America acquired title to the property prior to 1940.

on ?

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and B E & K Terranext, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

OSEDA HOME { Back to Interactive Map | Back to Johnson County }

Population Density: Johnson County			
	Population	Land Area Sq. Miles	Population Per Sq. Mile
- 1900	27,843	831	34
- 1910	26,297	831	32
- 1920	24,899	831	30
- 1930	22,413	831	27
- 1940	21,617	826	26
- 1950	20,716	826	25
- 1960	28,981	826	35
- 1970	34,172	826	41
- 1980	39,059	834	47
- 1990	42,514	830	51
SOURCE: USDC, Bureau of the Census; MO Office of Administration			
Comma-delimited file - all MO Counties			histpop1.csv

OUTREACH & EXTENSION
UNIVERSITY OF MISSOURI
LINCOLN UNIVERSITY

Evelyn Cleveland
evelyn@oseda.missouri.edu
Last modified January 15, 1998

HELP

Missouri State Census Data Center: Basic Demographic Trend Report
Missouri Places

AREA: Knob Noster city GEOCODE:29-2285 MO

VARIABLE	1980 VALUE	1980 PCT	1990 VALUE	1990 PCT	CHANGE AMOUNT	CHANGE PCT	CHG IN %
T1. TOTAL PERSONS.......	2,040	100.0%	2,264	100.0%	224	11.0	
LIVING IN FAMILIES....	1,744	85.5%	1,973	87.1%	229	13.1	1.7
IN GROUP QUARTERS.....	0	0.0%	0	0.0%	0		0.0
IN RURAL AREAS........	2,040	100.0%	2,264	100.0%	224	11.0	
T2. RACE / HISPANIC							
WHITE.................	1,736	85.1%	1,855	81.9%	119	6.9	-3.2
AFRICAN-AMERICAN......	224	11.0%	303	13.4%	79	35.3	2.4
ASIAN & PAC. ISLANDER.	55	2.7%	57	2.5%	2	3.6	-0.2
AM. INDIAN, ESK. ALEUT	4	0.2%	34	1.5%	30	750.0	1.3
HISPANIC (ANY RACE)...	85	4.2%	94	4.2%	9	10.6	-0.0
T3. PERSONS BY AGE							
UNDER 5...............	251	12.3%	233	10.3%	-18	-7.2	-2.0
5-17..................	324	15.9%	457	20.2%	133	41.0	4.3
18-24.................	633	31.0%	402	17.8%	-231	-36.5	-13.3
25-44.................	477	23.4%	706	31.2%	229	48.0	7.8
45-64.................	257	12.6%	309	13.6%	52	20.2	1.1
65 AND OVER...........	98	4.8%	157	6.9%	59	60.2	2.1
UNDER 18 (0-17)........	575	28.2%	690	30.5%	115	20.0	2.3
40 AND OVER............	463	22.7%	590	26.1%	128	27.6	3.4
MEDIAN AGE............	22.4		25.9		3.4	15.4	
T4. INCOME & POVERTY							
MEDIAN HOUSEHLD INCOME	$19,237		$20,133		896	4.7	
MEDIAN FAMILY INCOME..	$21,427		$22,500		1,073	5.0	
PER CAPITA INCOME.....	$9,025		$9,378		353	3.9	
PERSONS BELOW POVERTY.	251	12.3%	382	16.9%	131	52.2	4.6
T5. HOUSEHOLDS..........	778	100.0%	910	100.0%	132	17.0	
FAMILY HOUSEHOLDS.....	552	71.0%	654	71.9%	102	18.5	0.9
WITH 2+ WORKERS......	361	46.4%	421	46.3%	60	16.6	-0.1
MARRIED COUPLES......	491	63.1%	526	57.8%	35	7.1	-5.3
WITH OWN CHILDREN...	266	34.2%	266	29.2%	0	0.0	-5.0
FEMALE HEAD, NO HUSB.	52	6.7%	107	11.8%	55	105.8	5.1
W. OWN CHILDREN.....	44	5.7%	95	10.4%	51	115.9	4.8
1-PERSON HOUSEHOLDS....	171	22.0%	224	24.6%	53	31.0	2.6
AVG. PERSONS PER HH....	2.6		2.5		-0.1	-5.1	
T6. EDUCATION, POP 25 +.	832	100.0%	1,172	100.0%	340	40.9	
HIGH SCHOOL DIPLOMA...	340	40.9%	340	29.0%	0	0.0	-11.9
COLLEGE DEG. (4+ YRS).	99	11.9%	192	16.4%	93	93.9	4.5
T7. CIVILIAN LABOR FORCE	659	100.0%	931	100.0%	272	41.3	
FEMALE................	377	57.2%	498	53.5%	121	32.1	-3.7
EMPLOYED.............	589	89.4%	827	88.8%	238	40.4	-0.5
MANAGERIAL, PROF. OCC.	112	17.0%	165	17.7%	53	47.3	0.7
SERVICE OCCUPATIONS...	148	22.5%	232	24.9%	84	56.8	2.5
T8. HOUSING UNITS.......	905	100.0%	1,080	100.0%	175	19.3	
OCCUPIED.............	782	86.4%	876	81.1%	94	12.0	-5.3
OWNER OCCUPIED.......	342	43.7%	402	45.9%	60	17.5	2.2
AVERAGE VALUE.......	$55,034		$52,759		-2,276	-4.1	
RENTER OCCUPIED......	440	56.3%	474	54.1%	34	7.7	-2.2
MEDIAN CONTRACT RENT	$300		$336		36	12.1	
SINGLE-FAMILY.........	496	54.8%	544	50.4%	48	9.7	-4.4
MOBILE HOMES..........	269	29.7%	266	24.6%	-3	-1.1	-5.1

Missouri State Census Data Center: Basic Demographic Trend Report
Missouri Places
AREA: Warrensburg city GEOCODE:29-4445 MO

VARIABLE	1980 VALUE	1980 PCT	1990 VALUE	1990 PCT	CHANGE AMOUNT	CHANGE PCT	CHG IN %
T1. TOTAL PERSONS.......	13,807	100.0%	15,244	100.0%	1,437	10.4	
LIVING IN FAMILIES....	6,794	49.2%	7,721	50.6%	927	13.6	1.4
IN GROUP QUARTERS.....	4,438	32.1%	4,033	26.5%	-405	-9.1	-5.7
IN RURAL AREAS........	0	0.0%	0	0.0%	0		0.0
T2. RACE / HISPANIC							
WHITE.................	12,665	91.7%	13,592	89.2%	927	7.3	-2.6
AFRICAN-AMERICAN......	854	6.2%	1,187	7.8%	333	39.0	1.6
ASIAN & PAC. ISLANDER.	199	1.4%	321	2.1%	122	61.3	0.7
AM. INDIAN, ESK. ALEUT	47	0.3%	99	0.6%	52	110.6	0.3
HISPANIC (ANY RACE)...	159	1.2%	231	1.5%	72	45.3	0.4
T3. PERSONS BY AGE							
UNDER 5...............	588	4.3%	690	4.5%	102	17.3	0.3
5-17..................	1,292	9.4%	1,587	10.4%	295	22.8	1.1
18-24.................	6,697	48.5%	6,597	43.3%	-100	-1.5	-5.2
25-44.................	2,399	17.4%	3,238	21.2%	839	35.0	3.9
45-64.................	1,516	11.0%	1,666	10.9%	150	9.9	-0.1
65 AND OVER...........	1,315	9.5%	1,466	9.6%	151	11.5	0.1
UNDER 18 (0-17)........	1,880	13.6%	2,277	14.9%	397	21.1	1.3
40 AND OVER...........	3,202	23.2%	3,696	24.2%	494	15.4	1.1
MEDIAN AGE............	21.8		22.6		0.8	3.8	
T4. INCOME & POVERTY							
MEDIAN HOUSEHLD INCOME	$20,035		$19,672		-363	-1.8	
MEDIAN FAMILY INCOME..	$28,370		$28,917		547	1.9	
PER CAPITA INCOME.....	$8,863		$9,490		627	7.1	
PERSONS BELOW POVERTY.	1,790	19.1%	2,908	25.9%	1,118	62.5	6.8
T5. HOUSEHOLDS..........	4,096	100.0%	4,985	100.0%	889	21.7	
FAMILY HOUSEHOLDS.....	2,290	55.9%	2,654	53.2%	364	15.9	-2.7
WITH 2+ WORKERS......	1,445	35.3%	1,649	33.1%	204	14.1	-2.2
MARRIED COUPLES......	1,976	48.2%	2,188	43.9%	212	10.7	-4.4
WITH OWN CHILDREN...	847	20.7%	971	19.5%	124	14.6	-1.2
FEMALE HEAD, NO HUSB.	255	6.2%	387	7.8%	132	51.8	1.5
W. OWN CHILDREN.....	143	3.5%	275	5.5%	132	92.3	2.0
1-PERSON HOUSEHOLDS....	1,265	30.9%	1,493	29.9%	228	18.0	-0.9
AVG. PERSONS PER HH....	2.3		2.2		-0.0	-1.7	
T6. EDUCATION, POP 25 +.	5,230	100.0%	6,370	100.0%	1,140	21.8	
HIGH SCHOOL DIPLOMA...	1,335	25.5%	1,344	21.1%	9	0.7	-4.4
COLLEGE DEG. (4+ YRS).	1,738	33.2%	2,238	35.1%	500	28.8	1.9
T7. CIVILIAN LABOR FORCE	6,215	100.0%	7,269	100.0%	1,054	17.0	
FEMALE................	3,045	49.0%	3,585	49.3%	540	17.7	0.3
EMPLOYED..............	5,776	92.9%	6,655	91.6%	879	15.2	-1.4
MANAGERIAL, PROF. OCC.	1,447	23.3%	1,936	26.6%	489	33.8	3.4
SERVICE OCCUPATIONS...	1,294	20.8%	1,216	16.7%	-78	-6.0	-4.1
T8. HOUSING UNITS.......	4,508	100.0%	5,460	100.0%	952	21.1	
OCCUPIED..............	4,100	90.9%	5,002	91.6%	902	22.0	0.7
OWNER OCCUPIED.......	2,046	49.9%	2,117	42.3%	71	3.5	-7.6
AVERAGE VALUE.......	$66,750		$66,204		-547	-0.8	
RENTER OCCUPIED......	2,054	50.1%	2,885	57.7%	831	40.5	7.6
MEDIAN CONTRACT RENT	$308		$350		42	13.8	
SINGLE-FAMILY.........	2,599	57.7%	2,908	53.3%	309	11.9	-4.4
MOBILE HOMES..........	363	8.1%	331	6.1%	-32	-8.8	-2.0

Missouri State Census Data Center: Basic Demographic Trend Report
Missouri Places

AREA: Kansas City city GEOCODE:29-2220 MO

VARIABLE	1980 VALUE	1980 PCT	1990 VALUE	1990 PCT	CHANGE AMOUNT	CHANGE PCT	CHG IN %
T1. TOTAL PERSONS.......	448,154	100.0%	435,141	100.0%	-13,013	-2.9	
LIVING IN FAMILIES....	366,726	81.8%	346,853	79.7%	-19,873	-5.4	-2.1
IN GROUP QUARTERS.....	8,273	1.8%	8,983	2.1%	710	8.6	0.2
IN RURAL AREAS........	2,087	0.5%	1,630	0.4%	-457	-21.9	-0.1
T2. RACE / HISPANIC							
WHITE.................	313,835	70.0%	290,898	66.9%	-22,937	-7.3	-3.2
AFRICAN-AMERICAN......	122,336	27.3%	128,843	29.6%	6,507	5.3	2.3
ASIAN & PAC. ISLANDER.	3,591	0.8%	4,903	1.1%	1,312	36.5	0.3
AM. INDIAN, ESK. ALEUT	2,115	0.5%	2,240	0.5%	125	5.9	0.0
HISPANIC (ANY RACE)...	14,643	3.3%	16,819	3.9%	2,176	14.9	0.6
T3. PERSONS BY AGE							
UNDER 5...............	31,891	7.1%	33,436	7.7%	1,545	4.8	0.6
5-17..................	86,771	19.4%	74,213	17.1%	-12,558	-14.5	-2.3
18-24..................	60,195	13.4%	42,521	9.8%	-17,674	-29.4	-3.7
25-44..................	123,751	27.6%	148,667	34.2%	24,916	20.1	6.6
45-64..................	90,482	20.2%	79,999	18.4%	-10,483	-11.6	-1.8
65 AND OVER............	55,064	12.3%	56,305	12.9%	1,241	2.3	0.7
UNDER 18 (0-17)........	118,662	26.5%	107,649	24.7%	-11,013	-9.3	-1.7
40 AND OVER............	168,540	37.6%	164,946	37.9%	-3,594	-2.1	0.3
MEDIAN AGE............	30.3		32.9		2.6	8.5	
T4. INCOME & POVERTY							
MEDIAN HOUSEHLD INCOME	$27,087		$26,713		-374	-1.4	
MEDIAN FAMILY INCOME..	$34,218		$32,969		-1,249	-3.7	
PER CAPITA INCOME.....	$12,776		$13,799		1,023	8.0	
PERSONS BELOW POVERTY.	57,965	13.2%	65,381	15.3%	7,416	12.8	2.2
T5. HOUSEHOLDS..........	175,501	100.0%	177,157	100.0%	1,656	0.9	
FAMILY HOUSEHOLDS.....	113,081	64.4%	110,206	62.2%	-2,875	-2.5	-2.2
WITH 2+ WORKERS......	63,856	36.4%	63,652	35.9%	-204	-0.3	-0.5
MARRIED COUPLES......	86,578	49.3%	77,942	44.0%	-8,636	-10.0	-5.3
WITH OWN CHILDREN...	39,822	22.7%	33,698	19.0%	-6,124	-15.4	-3.7
FEMALE HEAD, NO HUSB.	21,891	12.5%	26,668	15.1%	4,777	21.8	2.6
W. OWN CHILDREN.....	13,511	7.7%	15,818	8.9%	2,307	17.1	1.2
1-PERSON HOUSEHOLDS....	53,829	30.7%	56,737	32.0%	2,908	5.4	1.4
AVG. PERSONS PER HH....	2.5		2.4		-0.1	-4.0	
T6. EDUCATION, POP 25 +.	269,297	100.0%	284,971	100.0%	15,674	5.8	
HIGH SCHOOL DIPLOMA...	96,306	35.8%	85,936	30.2%	-10,370	-10.8	-5.6
COLLEGE DEG. (4+ YRS).	44,658	16.6%	62,829	22.0%	18,171	40.7	5.5
T7. CIVILIAN LABOR FORCE	225,451	100.0%	228,377	100.0%	2,926	1.3	
FEMALE................	104,385	46.3%	110,755	48.5%	6,370	6.1	2.2
EMPLOYED..............	210,754	93.5%	211,817	92.7%	1,063	0.5	-0.7
MANAGERIAL, PROF. OCC.	47,876	21.2%	56,218	24.6%	8,342	17.4	3.4
SERVICE OCCUPATIONS...	32,560	14.4%	32,018	14.0%	-542	-1.7	-0.4
T8. HOUSING UNITS.......	191,800	100.0%	201,773	100.0%	9,973	5.2	
OCCUPIED..............	175,196	91.3%	177,601	88.0%	2,405	1.4	-3.3
OWNER OCCUPIED........	101,452	57.9%	101,108	56.9%	-344	-0.3	-1.0
AVERAGE VALUE.......	$63,949		$65,598		1,649	2.6	
RENTER OCCUPIED......	73,744	42.1%	76,493	43.1%	2,749	3.7	1.0
MEDIAN CONTRACT RENT	$341		$404		63	18.5	
SINGLE-FAMILY.........	121,358	63.3%	127,753	63.3%	6,395	5.3	0.0
MOBILE HOMES..........	1,821	0.9%	2,437	1.2%	616	33.8	0.3

Appendix I – Regulatory Documentation

0248074A	W	RR 1	CRANE	D	547				3	25	24	84
0233556A	W	RT 1	CRANE	D	452				3	25	24	84
0139286A	W	RR 1	CRANE	D	505				3	25	24	105
0098203A	W	RT 1	CRANE		410			NW	3	25	24	106
0094105A	W	RT 2 BOX 90B	CRANE		430		SE	NW	3	25	24	85
0079364A	W	P.O. BOX 5	CRANE		430		SW	NE	3	25	24	126
0017812A	W	RT 2	CRANE		490		SW	NE	3	25	24	84
0211516A	W	RT 3 BOX 89B	CRANE	D	512	SE	NE	SE	4	25	24	84

40	310
40	140
45	190
30	185
20	190
40	190
30	190
50	180

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 509th BOMB WING (ACC)
WHITEMAN AIR FORCE BASE, MISSOURI

MAY 1 5 1997

Mr Kendall W. Nugent, PE
Environmental Flight Chief
660 10th Street Ste 211
Whiteman AFB MO 65305-5055

Mr Lyle O. Crocker
MDNR Division of Environmental Quality
P.O. Box 176
Jefferson City MO 65102-0176

RE: RCRA NOV #4443

Dear Mr. Crocker

Whiteman AFB is dedicated to protecting the environment and working to expeditiously correct any actual and potential environmental problems. On 1 May 1997, Whiteman AFB MO, received Notice of Violation (NOV) #4443 that noted six Unsatisfactory Features. This resulted from an investigation of our Installation Restoration Program (IRP) Site FT-02 conducted on 19 February 1997 by the Hazardous Waste Program of the Missouri Department of Natural Resources (MDNR).

The following information summarizes the six alleged violations from the citation/NOV and provides the Air Force's response.

1. Failure to update the facility's notification of regulated waste activity form when generator information changed.

Whiteman AFB does not have any written records to demonstrate that solvents (such as trichloroethylene (TCE)) were disposed of at Fire Training Pit (IRP Site FT-02) during its operations. Since TCE is a non-flammable substance, it is also highly unlikely that TCE was used intentionally during fire training operations. Due to a lack of concrete information, we can only conclude that what Mr Phelps was quoted as saying at the 19 February meeting was apparently misunderstood. Prior to the removal of the clay barrier at the north end of the excavation site and the suspected release of the TCE from under the taxiway, the only indication of the presence of TCE in the soil at FT-02 was a trace (0.16 milligram per kilogram) detected in the soil in 1993.

During the excavation of the soil at FT-02, the Air Force's contractor (Jacobs Engineering Group, Inc.) conducted extensive sampling to determine if the soil should be classified as a RCRA characteristic hazardous waste. The contractor collected both waste pile samples for TCLP, VOCs, SVOCs and metals, as well as confirmatory sampling from the bottom and side-walls of the excavation. When sampling indicated that the level of VOCs, SVOCs and metals in the soil was less than the RCRA TCLP standard, it was concluded that the soil was not a characteristic hazardous waste.

As a result, none of the soil transported and disposed of at Ellis-Scott Landfill was classified as a characteristic hazardous waste. Therefore, Whiteman AFB did not believe it was necessary to update the facility's notification of regulated waste activity.

2. Failure to determine if the wastes are hazardous.

During the excavation of the soil at FT-02, the contractor made the proper waste determination through extensive sampling and investigation of past history as described in the previous response. The contractor conducted the sampling effort to determine if the soil should be classified as a characteristic hazardous waste. The contractor applied professional judgment and conducted laboratory analyses per the approved workplan to characterize the soil. The sample results demonstrated that the level of the TCE in the soil was less than the RCRA TCLP standard. Therefore, it was concluded that the soil was not a characteristic RCRA hazardous waste.

3. Failure to use a licensed hazardous waste transporter for shipments of hazardous waste.

Since the soil was not a characteristic hazardous waste, a licensed hazardous waste transporter was not required to ship the soil. Nonetheless, the contractor did employ a licensed hazardous waste transporter (Miles Environmental, Inc.) to transport the soil from Whiteman AFB to the Ellis-Scott Landfill (Atch 1).

4. Failure to use an authorized hazardous waste disposal facility for the disposal of hazardous waste.

The soil was not a characteristic hazardous waste and the soil did not require disposal in an authorized hazardous waste disposal facility. Based upon concentrations of Total Petroleum Hydrocarbons, Miles Environmental, Inc, transported the soil to a "special" waste landfill -- the Ellis-Scott Landfill.

5. Operation as a disposal facility without a permit or interim status.

There is no written record that provides evidence that TCE was ever used in the fire training pit. Nor is there a written record that TCE was ever disposed of as a waste at that site. Therefore, FT-02 is not considered a disposal site.

6. Failure to use the manifest system to record shipments of hazardous waste.

Since Whiteman AFB knew that the soil was not a characteristic hazardous waste, there was no requirement to manifest the soil as a hazardous waste. The material was characterized and manifested as special waste (Atch 2) as required by the state of Missouri.

Your 28 April 1997 letter requests that we provide the following information for eleven additional concerns. We have also provided comments on your Report of Site Investigation.

1. Whiteman must review its Notification of Regulated Waste Activity form to reflect any changes in waste generation type and amount arising from activities associated with FT-02. If changes are warranted, Whiteman must submit an amended Notification of Regulated Waste Activity form reflecting current waste types and amounts.

There has been no change in waste generation type at FT-02. Considering all available information, Whiteman AFB previously concluded, and continues to conclude, that the soil removed from FT-02 is not a characteristic hazardous waste. Because of the non-hazardous classification, there is no need to submit an amended Notification of Regulated Waste Activity form.

2. Submit characterization of the soil from FT-02, along with the proper US Department of Transportation shipping description, which will be entered on manifests for future disposal of contaminated material from FT-02.

The current characterization of the soil is enclosed as Atch 3.

Whiteman AFB has always conducted its hazardous waste activities in accordance with appropriate regulations. All future activities at FT-02 will be conducted in accordance with work plans submitted to the Federal Facilities Section of MDNR for review. Any shipment of hazardous waste from Whiteman AFB and FT-02 will be disposed of in accordance with all applicable hazardous waste regulations.

3. Submit written certification that future shipments of hazardous waste from FT-02 will be made using a licensed hazardous waste transporter.

Shipments of hazardous waste from the base historically have been accomplished using a licensed hazardous waste transporter. Since the soils from FT-02 were not classified as a characteristic hazardous waste, a licensed hazardous waste transporter was not required. Nonetheless, the contractor did employ a licensed hazardous waste transporter to transport the soil from Whiteman AFB to the Ellis-Scott Landfill.

Whiteman AFB has always conducted its hazardous waste activities in accordance with appropriate regulations. All future activities at FT-02 will be conducted in accordance with work plans submitted to the Federal Facilities Section of MDNR for review. Any shipment of hazardous waste from Whiteman AFB and FT-02 will be disposed of in accordance with all applicable hazardous waste regulations.

4. Submit written certification that future shipments of hazardous waste from FT-02 will be sent to an authorized hazardous waste treatment, storage, or disposal facility.

Hazardous waste from the base historically has been sent to an authorized hazardous waste treatment, storage, or disposal facility. Since the soils from FT-02 were not classified as a characteristic hazardous waste, disposal at an authorized hazardous waste treatment, storage, or disposal facility was not required.

Whiteman AFB has always conducted its hazardous waste activities in accordance with appropriate regulations. All future activities at FT-02 will be conducted in accordance with work plans submitted to the Federal Facilities Section of MDNR for review. Any shipment of hazardous waste from Whiteman AFB and FT-02 will be disposed of in accordance with all applicable hazardous waste regulations.

5. Please submit your written plan for investigating and identifying the source(s) of contamination in the FT-02 area. In addition, include plans for remediation as well as a schedule for implementation of these actions.

Jacobs Engineering has conducted additional Direct Push Technology (DPT) sampling at FT-02 to try to locate the source of the TCE that flowed into the excavation site once the clay at the north end of FT-02 was removed. The DPT investigation has located pockets of TCE under the taxiway but the original source of that TCE is not known.

Whiteman AFB has requested FY98 funding from Air Combat Command to conduct a bioventing remediation project next fiscal year. When funds are approved and available, the contractor will develop a workplan that will include a pre-design characterization for the installation and sampling of the bioventing system or other applicable treatment system. Whiteman AFB or its contractors will submit this workplan to the Federal Facilities section of MDNR for appropriate review and comment.

6. Submit written certification that all future shipments of hazardous waste from the site will be accomplished using hazardous waste manifest.

Hazardous waste from the base historically has been shipped using a hazardous waste manifest. The soils from FT-02 were not classified as a characteristic hazardous waste.

Whiteman AFB has always conducted its hazardous waste activities in accordance with appropriate regulations. All future activities will be conducted in accordance with work plans submitted to the Federal Facilities Section of MDNR for review. Any shipment of hazardous waste from Whiteman AFB and FT-02 will be disposed of in accordance with all applicable hazardous waste regulations.

7. Submit a copy of the analyses, field notes, and sample collection procedures for the sample which you collected to characterize the wastes for disposal at Ellis-Scott Landfill.

A copy of the analyses, field notes and sample collection procedures for samples collected by the Air Force and its contractor to characterize FT-02 wastes are included in Atch 3.

8. Send copies of all analyses and profiles for samples of material collected from the FT-02 area along with diagrams showing where the samples were collected. For each sample, include the purpose for which the sample was collected.

All copies of analyses and profiles for samples of material collected from the FT-02 area, along with diagrams showing where the samples were collected, are included in Atch 4. The purpose of each sample was to characterize the soil as a hazardous or non-hazardous waste.

9. Provide information and/or an explanation for the presence of TCE and PCE in the pit area, including all origins of the material.

Current DPT sampling indicates that TCE flowed into the pit from beneath the taxiway after the clay soil/barrier at the north end of the FT-02 excavation was removed. Whiteman AFB does not know the origin of the TCE or PCE under the taxiway.

The Environmental Flight contacted the base Fire Department for reference material concerning fire training pit operations, as well as information concerning log sheets that would list the type of material burned during training operations. They have reported that between 1988 and the time that the site was closed (1992-1993), three burns were conducted. Fuel trucks delivered a total of 1,000 gallons of JP-4 to FT-02 for these exercises. As far as the Fire Department knows, there are no written records more than a few years old that detail the use of the fire training area. Again, Whiteman AFB has no written information indicating that individuals intentionally dumped/burned either TCE or PCE at the FT-02. In addition, the non-flammable nature of TCE and PCE would make their use for fire training very unlikely.

10. Provide any information available about where and when soil from the FT-02 area were disposed in the past.

The following remediation/demolition/removal activities have occurred at FT-02 (see map at Atch 5):

Removal of 12,500 gallon Underground Storage Tank (UST):

This tank was thought to be installed in late 1988-early 1989 and was located somewhere between Pit #2 and the oil/water separator and its removal was completed and a closure document (ESP File No. LU3685) submitted to MDNR on 21 April 1993. MDNR requested no further investigation in their response on 11 May 1993.

Six hundred and eighty (680) cubic yards of soil was excavated from around the tank during its removal. After the tank removal, the soil was tested for BTEX, it was used to fill the excavated pit at the completion of the project.

Removal of 6,385 gallon Underground Storage Tank (UST):

This tank was installed in late 1988-early 1989 and was located north of the oil/water separator and removal was completed in June 1993. The fiberglass tank was intended to collect both water and Aqueous Film Forming Foam (AFFF) from the oil/water separator while the oil flowed into an internal collection container. Mechanical problems with the oil/water separator hampered the use of the AFFF tank and there is no record to indicate that this tank was ever used. Since the purpose of the tank was to collect only AFFF, no closure report was ever submitted to MDNR.

One hundred and forty (140) cubic yards of soil was excavated from around the tank during its removal. After the tank removal, the soil was tested for BTEX and was used to fill the excavated pit at the completion of the project.

Removal of Aboveground Storage Tanks (ASTs):

Two ASTs (between 500-1,000 gallons each) that supplied fuel/oil to the pits for training fires were removed from the FT-02 area sometime in the early 1990s. There is no record of the removal of the tanks as the tanks were above ground (so a closure report was not required), nor is there a record of any soil removal.

Demolition of Facility 99:

Individuals' recollect that Facility 99 was removed in 1993 but the work was not accomplished through the Installation Restoration Program. There is no record of soil being removed from this area. The Fire Department used the facility until 1989 or 1990 when they discontinued their use due to structural cracks in the building. They also state that they used only wet straw in the facility to create smoke, although some oil could have been applied to the straw as an accelerator.

11. Please provide the actual date of soil shipment from FT-02, as there is a discrepancy on Ellis-Scott Landfill's summary. Was one of the dates of shipment December 22, 1996, as indicated on the first page shipment summary sheet, or December 23, 1996, as indicated on page 8 of the summary?

Soil was delivered to Ellis-Scott Landfill from 19 December 1996 through 10 January 1997. There is no record of soil being delivered to Ellis-Scott Landfill on Sunday, 23 December 1996.

12. Comments to the Report of Site Investigation, 19 February 1997:

a. Although the Report of Site Investigation lists Capt Steve Kuennen (AFCEE) in attendance at this meeting, he was not present.

b. We regret that the copies of all analyses and profiles for the sampled soil were not forwarded to MDNR in response to your 13 February request. When the contractor submitted this information to Whiteman AFB, we understood that the contractor was submitting it to MDNR as well. That information is included as Atch 3.

c. The soil excavation at FT-02 and its removal from Whiteman AFB were already completed by 30 January 1997 when sampling results confirmed that TCE had flowed into the north end of the excavation site from beneath the taxiway.

d. The Report of Site Investigation incorrectly reported that the removal of the concrete at Pit #2 occurred between 1986 and 1988. This pit was operational from 1988 through 1991-1992, and the contractor removed the concrete last year at the start of the site remediation project. If this investigation was referring to Facility 99, that structure was not demolished until the 1992-1993 timeframe.

Whiteman AFB continues its environmental remediation and clean-up of the Installation Restoration Program sites on Air Force property under the Defense Environmental Restoration Program. In doing so, Whiteman AFB's program continues to meet the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act, as well as the

Comprehensive Environmental Response, Compensation, and Liability Act, as well as the substantive requirements of RCRA. All attempts are made to ensure protection of human health and the environment while acting in a technically prudent manner.

It is our position that your reliance on the "mixture rule" is not appropriate. The TCE was not "added" to the soil.

Whiteman AFB wishes to set-up an appointment with your office, at your convenience, to discuss and resolve any concerns not completely answered in this letter. Our point of contacts for this meeting are Mr Marvin Eaves or Mr John Phelps at (816) 687-6263 or 7415. If you have any questions, please call me at (816) 687-6347 or our environmental attorney, Maj David McCray at (816) 687-6809.

Sincerely

KENDALL W. NUGENT, P.E., GS-13

Attachments:
1. Certification of Licensed Hazardous Waste Transporter for Miles Environmental, Inc.
2. Characterization and Special Waste Manifest for soils removed from FT-02
3. Current characterization of soil, as well as a copy of the analyses, field notes, and sample collection procedures for samples collected by Jacobs Engineering
4. Copies of analysis and profiles for samples of material (other than soil) collected from the FT-02
5. Current map of FT-02 with location of USTs and ASTs

STATE OF MISSOURI
Bob Holden, Governor • Stephen M. Mahfood, Director
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
P.O. Box 176 Jefferson City, MO 65102-0176

September 28, 2001

RECEIVED
OCT 01 2001

Kara Taylor
BE&K/Terranext
13202 West 98th Street
Lenexa, KS 66215

Dear Ms. Taylor,

During our recent phone conversation, you posed three questions regarding closure and completion of landfills 11 and 12 at Whiteman Air Force Base. Those questions involved the Department of Natural Resources' agreement to closure of the landfills, further action that might be needed to receive the department's agreement to closure, and restrictions to building on old landfills. The department does not agree with closure of those areas at this time for the reasons listed below.

Landfill 11

The Decision/Closure Document (D/CD) dated November 1999, by Jacobs Engineering Group, does not address the issue of phenols, as requested by Glenn Golson in communication to John Phelps dated June 1, 1995. Phenols had been detected in the Phase II Stage 1 RI/FS report. Mr. Golson requested further investigation of phenols in the Phase II Stage 2 study, and inclusion of the site in the base groundwater monitoring plan. Phenols were not addressed in the Phase II Stage 2 report.

Table 3 of the D/CD summarizes results of groundwater monitoring from November 1996 to November 1997. Were all wells sampled for all analytes? If so, results are not shown in the table. Only results from the November 1996 sampling are shown for MW1 and MW2.

The D/CD showed analyses for manganese, lead, 1,2-dichloroethane, nitrobenzene, and TPH at greater than CALM limits. What action is planned to remediate the site for these materials?

Monitoring wells at LF-11 were not included in the base-wide groundwater sampling conducted in 1998. Why were these wells dropped from the sampling program when there were exceedances of acceptable limits in November 1997?

Why weren't all heavy metals included in the groundwater monitoring from a former landfill?

During the Phase II Stage I investigation, total petroleum hydrocarbons (TPH) were found at levels exceeding regulatory limits. Why was TPH not analyzed for during the Stage II investigation?

The groundwater section of the report states groundwater in the shallow water-bearing zone is considered non-potable. What is the source for this statement? A salt water/fresh water interface occurs west of Whiteman Air Force Base. The base lies within the fresh water area where groundwater is considered potable.

The D/CD recommends no further action based on no receptors and no pathway. Receptors and a pathway will both be on-site, if the National Guard builds a flight center there. The department does not agree with that recommendation.

Landfill 12
The D/CD dated November 1999, prepared by Jacobs Engineering Group, sites previous sampling and investigation events. During the Phase II, Stage 1 Remedial Investigation/Feasibility Study lead was found in surface soil in excess of the department's CALM guidance.

During a 1997 direct push technology (DPT) investigation, bis (2-ethylhexyl) phthalate was found in groundwater in excess of CALM guidance. There was no stated source or suspected cause of the contamination. Further investigation into the source is warranted.

Tables 4 and 5, results from the 1997 DPT investigation for soil and groundwater data, appear to be above CALM document levels for a number of analytes. The tables did not have units associated with analysis results. For this review, parts per million were assumed (milligrams per kilogram for soil screening data, and milligrams per liter for groundwater data).

The groundwater section of the report states groundwater in the shallow water-bearing zone is considered non-potable. What is the source for this statement? A salt water/fresh water interface occurs west of Whiteman Air Force Base. The base lies within the fresh water area where groundwater is considered potable.

Why were no groundwater monitoring wells installed at this site?

The D/CD report states only routine refuse is believed to have been discarded in this landfill, which may have operated sometime in the 1940s and 1950s. Routine refuse during this period may have included many constituents that would be considered hazardous waste today. It is not safe to conclude that deposition of routine waste during the landfill's operation would not have any negative effect at the present time.

The D/CD recommends no further action based on no receptors and no pathway. Receptors and a pathway will both be on-site, if the National Guard builds a flight center there. The department does not agree with that recommendation.

Building Restrictions on Waste Disposal Areas
The state's Solid Waste Management Regulations at 10 CSR 80-2.030(3) require permission before excavating, disrupting, or removing any deposited material from any active or discontinued solid waste disposal area. The department's Solid Waste Management Program's position is this will be required if waste will even potentially be disturbed. You may discuss this regulation with Scott Waltrip of the Solid Waste Management Program. His phone number is 573-751-5401.

The department will need to receive responses to these comments before considering Landfills 11 and 12 for closure. If you have any questions about this matter, please contact me at 573-751-6796.

Sincerely,

HAZARDOUS WASTE PROGRAM

Jim Thaxter

Jim Thaxter
Project Manager

JT:dd

c: Marvin Eaves, Whiteman AFB, IRP Project Manager
Scott Waltrip, Solid Waste Management Program

Appendix J – Interview Records

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From: Jim Thaxtor
Company: MDNR
Telephone: 573-751-6796
Fax:

BE&K/Terranext Staff: Kara M. Taylor KMT
Title: Geologist I
Date: 8/8/01
Time: 1415

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: FT-02, LF-11, LF-12

COMMENTS: Only 3 areas of concern in that area of the base that we would be interested in.

- MDNR hasn't physically sampled anything - only knowledge of site activities is based off of reports submitted by Whiteman AFB.
- Knows that FT-02 was a fire training area where pet. products were set on fire to train the on-base airmen.
- Whiteman AFB initially (still does) want to request a NFA letter as they believe that they have address the original areas of concern @ FT-02. The TCE that was encountered @ the excavation is believed by some to be from another source other than FT-02.
- Some people believe that the TCE was used to wash planes. TCE is not a flammable material & may not have been used @ FT-02 - there is a question about the actual source.
- Doesn't suspect pet. products or other haz. wastes (illegal dumping) but there may be - he really doesn't know much about them.
- Been working on this project for ~1½ yrs. Will looks some info up & call me back.

Kara M. Taylor

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From:	Marvin Eaves	**BE&K/Terranext Staff:**	Kara M. Taylor KMT
Company:	Whiteman AFB	**Title:**	Geologist I
Telephone:	660-687-6263	**Date:**	8/9/01
Fax:	660-687-5164	**Time:**	1110

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: questionnaire & permits

COMMENTS:

- The entire base has at least one Air Permit & NPDES permit.
- Not sure about Haz. Waste Permit as they have a 90-day facility where haz. mat'ls & wastes are not stored for more than 90-days before they are shipped elsewhere.
- Will fill out the questionnaire.
- Will send the LF-11 & LF-12 NFA documents.

Kara M. Taylor

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From: Marvin Eaves
Company: Whiteman AFB
Telephone: 660-687-6263
Fax: 660-687-5164

BE&K/Terranext Staff: Kara M. Taylor KMT
Title: Geologist I
Date: 8/20/01
Time: 1345

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: site info.

COMMENTS:

- Property restrictions - none have been established. Do not know if any will be, but if they are they would probably be similar to those @ Richards Gabour Airport. The site would be zoned for industrial use not residential.
- Incinerators - none currently on our site or in the past. There are 1 or 2 on Whiteman AFB but not near the site.
- Transfer Stations - none currently or historically on the site. Not aware of any @ Whiteman AFB either.
- Radioactive waste - only 2 historical sites, not on our property, or near our property, that were identified as an Environmental Remediation Property & both have been "cleaned up."
- Septic Tanks - none currently or historically on the site. Whiteman AFB has ~~had~~ had septic tanks in the past, but all have been removed & replaced w/ pumping stations. They are not near the site.

Kara M. Taylor

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From: Jim Thaxton
Company: MDNR
Telephone: 573-751-6796
Fax:

BE&K/Terranext Staff: Kara M. Taylor KMT
Title: Geologist I
Date: 9/13/01
Time: 0900

PROJECT: Whiteman EBS
PROJECT NUMBER: 17102205
SUBJECT: NFA requests

COMMENTS: Will send a letter w/ the information below:

Jim told me:

LF-11: The MDNR reviewed the 1991 report (remedial investigation) submitted by Whiteman. The investigation identified phenols in the area. The MDNR submitted a letter to Whiteman stating that LF-11 should be included in the 1996 gw monitoring. Jim couldn't find a report for 1996, but found a 1999 report for 1998 gw monitoring (the most recent event he could find). The 1999 report didn't include LF-11. Needs to know why the LF-11 wasn't included, what the most recent event is & what the results were, & if wells exist for LF-11. (Have they been closed?) Also, have sampling events included phenols ever?
- The Dec. 1999 report had iron, manganese, 1,2-DCE, & nitrobenzene conc. all above MDNR CALM limits for soil & TPH conc. ranged from 90-549 (CALM limit is 500) for soil. Also had g.w. conc. exceeding CALM limits. Need more investigation for soil & water.

LF-12: MDNR wrote a letter to Whiteman in June 1995 agreeing w/ NFA as long as it is included in gw monitoring. The NFA request for LF-12 sent to MDNR indicated levels of oil & grease & lead above CALM levels. Needs to be investigated further - may be result of runoff from FT-02?

Restrictions for bldgs: Spoke w/ Scott Waltrip of the Solid Waste Mgmt. Under statue 80-2.030(3) - Need permission to excavate, disrupt, or remove any deposited material from any active or discontinued

~~ACTION:~~ solid waste disposal.

Also, the "general waste" reported in the landfills may have been defined differently than it is today - could have included various types of materials that we consider hazardous today.

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From: Marvin Eaves
Company: Whiteman AFB
Telephone: 660-687-6263
Fax: 660-687-5164

BE&K/Terranext Staff: Kara M. Taylor KMT
Title: Geologist I
Date: 9/13/01
Time: 1015

PROJECT: Whiteman AFB
PROJECT NUMBER: 17102205
SUBJECT: questionnaire & other info.

COMMENTS:

Has completed part of the questionnaire - w/ current national events, Whiteman AFB has shifted to heightened alert & environmental issues are secondary. Will try to complete it & send it w/ the most recent gw mon. event report (that he recently received).

The well located on our property that Ross & I observed is most likely a monitoring well for LF-11, but he doesn't know for sure. The mon. report may be more helpful.

The peroxide injection that was scheduled for this year is postponed & doesn't affect our site.

Have made several attempts to contact Marvin in the last couple of weeks. Most recently - left voicemail on Mon. or Tues. Sept. 10th or 11th. Prior to that, called a couple of times each week & left voicemails occassionally.

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From: Marvin Eaves
Company: Whiteman AFB
Telephone: 660-687-6263
Fax:

BE&K/Terranext Staff: Kara M. Taylor KMT
Title: Geologist I
Date: 9/24/01
Time: 0940

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: g.w. mon. report & questionnaire

COMMENTS: Have not mailed them yet. Should be able to get to it today.

Kara M. Taylor

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From:	Jim Thaxtor	BE&K/Terranext Staff:	Kara M. Taylor KMT
Company:	MDNR	Title:	Geologist I
Telephone:	573-751-6796	Date:	9/24/01
Fax:		Time:	0945

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: letter about NFA

COMMENTS: Wrote the letter last week. Had to get it approved. Will hopefully be able to get it in the mail today.

Kara M. Taylor

ACTION:

BE&K/Terranext

TELEPHONE CONVERSATION RECORD

To/From:	Marvin Eaves	**BE&K/Terranext Staff:**	Kara M. Taylor KMT
Company:	Whiteman AFB	**Title:**	Geologist II
Telephone:	660-687-6263	**Date:**	01/17/02
Fax:		**Time:**	

PROJECT: Whiteman AFB EBS
PROJECT NUMBER: 17102205
SUBJECT: well & utility info.

COMMENTS:

- Well house - the well is ~1000' deep & supplies water to Whiteman AFB.
- The LF11 monitoring wells were abandoned in April 1998 by Jacobs Engineering.
- Water main extends west from the well house. Service lines are also present from the main to the contractor's trailers, to the best of his knowledge.
- No electric conduits present, or sewer lines.
- Waste water treatment facility is not located w/in the confines of Whiteman AFB. Located west of the base, east of the state park.

ACTION:

Appendix K – FOIA Requests and Responses

BE&K/TerraNext 13202 West 98th Street Lenexa, Kansas 66215

August 9, 2001

BE&K/Terranext Project No. 17102205

Ms. Mary Lyon
Policy Coordination Section
Missouri Department of Conservation
P. O. Box 180
Jefferson City, Missouri 65102

RE: NEPA Information Request

Dear Ms. Lyon:

BE&K/Terranext is performing an Environmental Baseline Study (EBS), which encompasses a NEPA investigation, for Whiteman Air Force Base (AFB) located south of Knob Noster, Missouri. The Whiteman AFB is located south of Missouri Highway 50 along Missouri Highway 23 as shown on the map (Burtville Topographic Map) enclosed with this letter. The area circled is the site on which our EBS is focused.

The legal description of the site is portions of Sections 3 & 4, Township 45 North, Range 24 West, Johnson County, Missouri.

This letter is a request for NEPA information regarding the potential presence of the following special resources within the WSTA property, or more specifically the 5 acres of the Whiteman AFB, if information is available on such a small area.

Threatened and Endangered Species;

Wetlands and Erosional areas;

Conservation Areas, Wilderness Areas, and Wildlife Preserves;

Developed and Undeveloped Floodplains/Wild and Scenic Rivers;

Scientific Significance or Religious Indian Properties;

National Natural Landmarks;

Developed and Undeveloped Properties within a Sole-Source Aquifer;

Historic Significance; and

Telephone: 913 894•4000 Facsimile: 913 894•5983 www.bektnxt.com

Recreational Areas.

BE&K/Terranext understands that the typical turnaround time for this type of request is usually 2 to 3 weeks; however, BE&K/Terranext is requesting receipt of this information by on or before August 17, 2001.

Thank you in advance for you cooperation.

Sincerely,
BE&K/Terranext

Kara M. Taylor

Kara M. Taylor
Geologist I

Attachment (1)

2205

MISSOURI DEPARTMENT OF CONSERVATION

Headquarters
2901 West Truman Boulevard, P.O. Box 180, Jefferson City, Missouri 65102-0180
Telephone: 573/751-4115 ▲ Missouri Relay Center: 1-800-735-2966 (TDD)

JERRY M. CONLEY, Director

RECEIVED
AUG 24 2001

August 21, 2001

Ms. Kara M. Taylor
BE&K/Terranext
13202 West 98th Street
Lenexa, KS 66215

Dear Ms. Taylor :

Re: Environmental Baseline Study
Whiteman Air Force Base
BE&K/Terranext Project No. 17102205

Thank you for your letter of August 9, 2001, regarding species of conservation concern within the proposed project area.

A review of our records shows that public lands, sensitive species or communities are known to exist on or near the above referenced site. Details are provided in the enclosed Heritage Database report which reflects information we currently have in our database. Please be advised this is **not a site clearance letter**. Rather, this letter provides an indication of whether or not public lands and sensitive resources are known to be (or are likely to be) located close to the proposed project.

Incorporating information from our Heritage Database into project plans is an important step that can help reduce unnecessary impacts to Missouri's sensitive natural resources. However, the Heritage Database is only one reference which should be used to evaluate potential adverse impacts. Other types of information, such as wetland and soils maps and on-site inspections or surveys, should be considered. Reviewing current landscape and habitat information and species biological characteristics would additionally ensure that species of conservation concern are appropriately identified and addressed.

Thank you for the opportunity to review and comment.

Sincerely,

Mary Lyon

MARY LYON
POLICY ANALYST

ML:dcl

Enclosure

BE&K/TERRANEXT
13202 WEST 98TH STREET
LENEXA, KS 66215

ENVIRONMENTAL BASELINE STUDY
WHITEMAN AIR FORCE BASE
BE&K/TERRANEXT PROJECT NO. 17102205

The following species and/or natural communities are known to occur on or in the vicinity of the project site:

Scientific Name	Common Name	Federal Status	State Status	State Rank	Size/ Acres	Township/ Range	Sec.	Ownership
RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG			S3		045N024W	04	U.S. AIR FORCE

FEDERAL STATUS - The federal status is derived from the provisions of the federal Endangered Species Act, which is administered by the U.S. Fish and Wildlife Service. The Endangered Species Act provides federal protection for plants and animals listed as Endangered or Threatened. E = Endangered, T = Threatened, C = Candidate, PE = Proposed Endangered for Federal listing.

STATE STATUS (E) -The state status is determined by the Department of Conservation under constitutional authority. Rule 3CSR10-4.111Endangered Species of the *Wildlife Code of Missouri* and certain state statutes apply to state Endangered species.

STATE RANK - A numeric rank of relative endangerment based primarily on the number of occurrences of the species within the state of Missouri. S1 = Critically imperiled in the state, S2 = Imperiled in the state, S3 = Rare and uncommon in the state.

Eastern collared lizard populations, natural communities and geologic features are recognized as sensitive biological resources and may also appear on this report.

BE&K/Terranext 13202 West 98th Street Lenexa, Kansas 66215

July 11, 2001

BE&K/Terranext Project No. 17102205

Ms. Karen A. Flournoy, Director
Office of External Programs
Freedom of Information Officer
EPA – Region VII
901 North 5th Street
Kansas City, KS 66101

Fax: 913-551-7066

RE: Request for Information

Dear Ms. Flournoy:

This letter is to request information for the following site under the Freedom of Information Act.

Whiteman Air Force Base
Intersections of Missouri Highway 50 and Missouri Highway 23
Whiteman AFB, Knob Noster, Missouri 65305

Thank you in advance for you cooperation.

Sincerely,
BE&K/Terranext

Kara M. Taylor

Kara M. Taylor
Geologist I

Telephone: 913 894•4000 Facsimile: 913 894•5983 www.bektnxt.com

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

JUL 11 2001

RECEIVED
JUL 24 2001

Kara Taylor
Geologist I
BE&K/Terranext
13202 West 98th Street
Lenexa, Kansas 66215

Dear Ms. Taylor:

Freedom of Information Act Request
Number 07-RIN-00604-01

Thank you for your request dated July 11, 2001, asking for information related to the Whiteman Air Force Base, Missouri Highways 50 and 23, Whiteman AFB, Knobnoster, Missouri 65305 (Project Number 17102205).

Your request was received by this office on July 12, 2001, and assigned Request Identification Number 07-RIN-00604-01.

The Agency has 20 working days to respond to your request except when circumstances exist which require an extension of time. If you have any questions about the status, please contact our office and cite the RIN for identification purposes.

Sincerely,

Karen A. Flournoy

Karen A. Flournoy, Director
Office of External Programs
Freedom of Information Officer

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

RECEIVED
SEP 04 2001

AUG 30 2001

Kara M. Taylor
Geologist I
BE&K/Terranext
13202 West 98th Street
Lenexa, Kansas 66215

Dear Ms. Taylor:

Re: Freedom of Information Act Request
Number 07-RIN-00604-01

This is in response to the above-mentioned request for information related to the Whiteman Air Force Base located in Knob Noster, Missouri 65305.

I understand that you recently reviewed the RCRA files at the Region 7 office and selected file to be copied.

Any questions about these records should be directed to Lisa Haugen, RCRA Enforcement and State Programs Branch at 913-551-7877.

The fees incurred in processing your request were less than $25.00; therefore, there is no charge.

Sincerely,

Karen A. Flournoy

Karen A. Flournoy, Director
Office of External Programs
Freedom of Information Officer

Enclosure

WHITEMAN AFB
PERMIT APPLICATION
FOR
HAZARDOUS WASTE MANAGEMENT
ACTIVITIES

AUGUST 1993

For EPA Regional Use Only	EPA United States Environmental Protection Agency Washington, DC 20460	For State Use Only
Date Received Month Day Year	# Hazardous Waste Permit Application Part A *(Read the Instructions before starting)*	

I. ID Number(s)

A. EPA ID Number	B. Secondary ID Number *(If applicable)*
M 0 8 5 7 1 9 2 4 5 4 9	

II. Name of Facility

WHITEMAN AIR FORCE BASE

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street

Street *(continued)*

T 4 6 N R 4 2 W

City or Town	State	ZIP Code
WHITEMAN AFB	MO	65305 -

County Code *(If known)*	County Name
	JOHNSON

B. Land Type *(enter code)*	C. Geographic Location LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*	D. Facility Existence Date Month Day Year
F	38 44 030	093 33 030	08 06 1942

IV. Facility Mailing Address

Street or P.O. Box

930 ARNOLD AVE, SUITE 101

City or Town	State	ZIP Code
WHITEMAN AFB	MO	65305 -

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(last)*	*(first)*
BROCKMEIER	JAMES

Job Title	Phone Number *(area code and number)*
HAZ WST MGR	816-687-6266

VI. Facility Contact Address *(See instructions)*

A. Contact Address Location	Mailing	B. Street or P.O. Box
X		

City or Town	State	ZIP Code
		-

EPA I.D. Number (enter from page 1): M O 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1):

VII. Operator Information (see instructions)

Name of Operator: D R M S

Street or P.O. Box: 5 0 0 W 1 2 T H S T R E E T

City or Town: O G D E N

State: U T

ZIP Code: 8 4 4 0 7 - 5 0 0 1

Phone Number (area code and number): 8 0 1 - 3 9 9 - 7 8 3 3

B. Operator Type: F

C. Change of Operator Indicator: Yes X No

Date Changed: Month 0 7 Day 0 1 Year 9 3

VIII. Facility Owner (see instructions)

A. Name of Facility's Legal Owner: U N I T E D S T A T E S A I R F O R C E

Street or P.O. Box: 5 0 9 S G / C C

City or Town: W H I T E M A N A F B

State: M O

ZIP Code: 6 5 3 0 5 -

Phone Number (area code and number): 8 1 6 - 6 8 7 - 3 0 0 8

B. Owner Type: F

C. Change of Owner Indicator: Yes X No

Date Changed: Month 0 7 Day 0 1 Year 9 3

IX. SIC Codes (4-digit, in order of significance)

Primary		Secondary	
9 7 1 1	(description) National Security	7 6 9 9	(description) General Maint & Repair
Secondary		**Secondary**	
3 7 2 4	(description) Acft, Missiles, Cooling	7 5 3 9	(description) Auto Repair & Maintenance

X. Other Environmental Permits (see instructions)

A. Permit Type (enter code)	B. Permit Number	C. Description
R	M O 8 5 7 1 9 2 4 5 4 9	RCRA EPA ID
N	M O - 0 0 2 9 3 7 8	NPDES

EPA I.D. Number (enter from page 1)

M	0	8	5	7	1	9	2	4	5	4	9

Secondary ID Number (enter from page 1)

XI. Nature of Business (provide a brief description)

Whiteman AFB has the mission of protecting the National Security through support of a Minuteman II Missile Wing, B-2 bomber wing and coming A-10 Air National Guard. Industrial operations performed at the base include Maintenance, Operation and Upgrade of the Base facilities and Weapons Systems. The base supports a working population of approximately 4000 including housing units, hospital, school, utilities and central steam plant.

XII. Process – Codes and Design Capacities

A. **PROCESS CODE** – *Enter the code from the list of process codes below that best describes each process to be used at the facility. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided in Item XIII.*

B. **PROCESS DESIGN CAPACITY** – *For each code entered in column A, enter the capacity of the process.*

1. **AMOUNT** – *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process unit.*
2. **UNIT OF MEASURE** – *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. **PROCESS TOTAL NUMBER OF UNITS** – *Enter the total number of units used with the corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	DISPOSAL:	
D79	INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY
D80	LANDFILL	ACRE-FEET OR HECTARE-METER
D81	LAND APPLICATION	ACRES OR HECTARES
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS
	STORAGE:	
S01	CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS
S02	TANK	GALLONS OR LITERS
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS
	TREATMENT:	
T01	TANK	GALLONS PER DAY OR LITERS PER DAY
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR
T04	OTHER TREATMENT (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.)	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
GALLONS PER HOUR	E
GALLONS PER DAY	U
LITERS	L
LITERS PER HOUR	H
LITERS PER DAY	V
SHORT TONS PER HOUR	D
METRIC TONS PER HOUR	W
SHORT TONS PER DAY	N
METRIC TONS PER DAY	S
POUNDS PER HOUR	J
KILOGRAMS PER HOUR	R
CUBIC YARDS	Y
CUBIC METERS	C
ACRES	B
ACRE-FEET	A
HECTARES	Q
HECTARE-METER	F
BTU's PER HOUR	K

EPA I.D. Number (enter from page 1): M O 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1):

XII. Process - Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

Line Number		A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	C. PROCESS TOTAL NUMBER OF UNITS			FOR OFFICIAL USE ONLY
X	1	S	0	2	600	G	0	0	2	
X	2	T	0	3	20	E	0	0	1	
	1	S	0	1	7	J	0	0	1	
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
1	0									
1	1									
1	2									

NOTE: If you need to list more than 12 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for additional treatment processes in item XIII.

XIII. Additional Treatment Processes (follow instructions from Item XII)

Line Number (enter numbers in sequence with Item XII)		A. PROCESS CODE			B. TREATMENT PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	C. PROCESS TOTAL NUMBER OF UNITS			D. DESCRIPTION OF PROCESS
		T	0	4						None
		T	0	4						
		T	0	4						
		T	0	4						

EPA I.D. Number (enter from page 1)												Secondary ID Number (enter from page 1)
M	O	8	5	7	1	9	2	4	5	4	9	

XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. ESTIMATED ANNUAL QUANTITY - *For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C. UNIT OF MEASURE - *For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that processes that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of Item XIV-D(1).*
3. *Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).*

2. PROCESS DESCRIPTION : *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).*

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. *Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		A. EPA HAZARD WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS (1) PROCESS CODES (enter)									D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
X	1	K	0	5	4	900	P	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
X	4	D	0	0	2												Included With Above

EPA I.D. Number (enter from page 1): M 0 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1)

XIV. Description of Hazardous Wastes (continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)	D. Processes (2) Process Description (If a code is not entered in D(1))
1	D001	10350	P	S01	
2	D001	5	P	S01	
3	D003				included with above
4	D001	175	P	S01	
5	D007				included with above
6	D001	12	P	S01	
7	D007				included with above
8	D008				included with above
9	D035				included with above
10	D001	225	P	S01	
11	D018				included with above
12	D001	39	P	S01	
13	D035				included with above
14	D001	9	P	S01	
15	U002				included with above
16	D001	12	P	S01	
17	U032				included with above
18	D001	295	P	S01	
19	U154				included with above
20	D001	29	P	S01	
21	D002				included with above
22	D001	240	P	S01	
23	D007				included with above
24	D008				included with above
25	D001	560	P	S01	
26	D007				included with above
27	D008				included with above
28	D035				included with above
29	D001	410	P	S01	
30	D007				included with above
31	D008				included with above
32	F003				included with above
33	F005				included with above

EPA I.D. Number (enter from page 1): M 0 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1)

XIV. Description of Hazardous Wastes (continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)	D. Processes (2) Process Description (if a code is not entered in D(1))
1	D001	30	P	S01	
2	D007				included with above
3	D035				included with above
4	D001	454	P	S01	
5	D007				included with above
6	D035				included with above
7	F005				included with above
8	D001	37	P	S01	
9	D008				included with above
10	D001	1125	P	S01	
11	D008				included with above
12	D018				included with above
13	D001	55	P	S01	
14	D008				included with above
15	D035				included with above
16	D001	26	P	S01	
17	D008				included witn above
18	D035				included with above
19	F005				included with above
20	D001	1305	P	S01	
21	D018				included with above
22	D001	8	P	S01	
23	D018				included with above
24	D035				included with above
25	D001	144	P	S01	
26	D035				included with above
27	F005				included with above
28	D001	470	P	S01	
29	D011				included with above
30	D001	25	P	S01	
31	F001				included with above
32	D001	42	P	S01	
33	F005				included with above

EPA I.D. Number (enter from page 1): M o 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1):

XIV. Description of Hazardous Wastes (continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes (1) Process Codes (enter)	D. Processes (2) Process Description (if a code is not entered in D(1))
1	D002	792	P	S01	
2	D002	143	P	S01	
3	D006				included with above
4	D002	170	P	S01	
5	D008				included with above
6	D003	108	P	S01	
7	D005	417	P	S01	
8	D006				included with above
9	D007				included with above
10	D008				included with above
11	D006	300	P	S01	
12	D007	2079	P	S01	
13	D007	1350	P	S01	
14	D008				included with above
15	D008	320	P	S01	
16	D031				included with above
17	F003				included with above
18	D008	440	P	S01	
19	D018				included with above
20	D035				included with above
21	D098				included with above
22	D009	55	P	S01	
23	D013	11	P	S01	
24	U129				included with above
25	D018	1185	P	S01	
26	D098				included with above
27	D018	320	P	S01	
28	F003				included with above
29	D035	185	P	S01	
30	F001				included with above
31	F003				included with above
32					
33					

EPA I.D. Number (enter from page 1): M 0 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1):

XIV. Description of Hazardous Wastes (continued)

Line Number	A. EPA Hazardous Waste No. (enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (enter code)	D. Processes: (1) Process Codes (enter)	D. Processes: (2) Process Description (If a code is not entered in D(1))
1	D098	400	P	S01	
2	F001				included with above
3	P042	6	P	S01	
4	U188	18	P	S01	
5	U226	1680	P	S01	
6					
7					
8					
9					
10					
11					
12					
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33					

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Form Approved OMB No. 158-S80004

3 RCRA

EPA

U. [ENV]IRONMENTAL PROTECTION AGENCY

HAZAR[D]OUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

S													T/A	C
F	M	0	8	5	7	1	9	2	4	5	4	9		1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

C	YR.	MO.	DAY
8	7 9	0 7	0 1

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR.	MO.	DAY

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[X] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code*(s)* in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

S		T/A	C
C	DUP		1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G	
X-2	T 0 3	20	E	
1	S 0 1	2750	G	
2				
3				
4				
5				
6				
7				
8				
9				
10				

...ed from page 2.
...: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1): W M 0 8 5 7 1 9 2 4 5 4 9 | T/A | C: 1

FOR OFFICIAL USE ONLY: W DUP | T/A | C: 2 | DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D 0 0 1	2300	P	S 0 1				paint solvents, thinners
2	D 0 0 2	500	P	S 0 1				potassium hydroxide, sulfuric aci
3	F 0 0 5	3215	P	S 0 1				toluene and methyl ethyl ketone sold for recycling
4	D 0 0 7	3000	P	S 0 1				sodium chromate
5								
6								
7								
8								
9								
10								
11								
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26								

EPA Form 3510-3 (6-80)

CONTINUE ON REVERSE

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

Continued from the front.

V. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)	T/A C
M0857192454 9	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail).*

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground—level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail).*

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
38 44 030	093 33 030

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. (area code & no.)
United States Air Force	816-687-3701

3. STREET OR P.O. BOX	C	4. CITY OR TOWN	5. ST.	6. ZIP CODE
351 CSG/CC	G	Whiteman AFB	MO	65305

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
JAY W. KELLEY, Colonel, USAF Commander, 351 Cmbt. Spt. Gp.	Jay W Kelley	23 Dec 82

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
N. HOUCHEN DPDO Whiteman	[illegible signature]	20 Dec 82

CONTINUE ON PAGE 5

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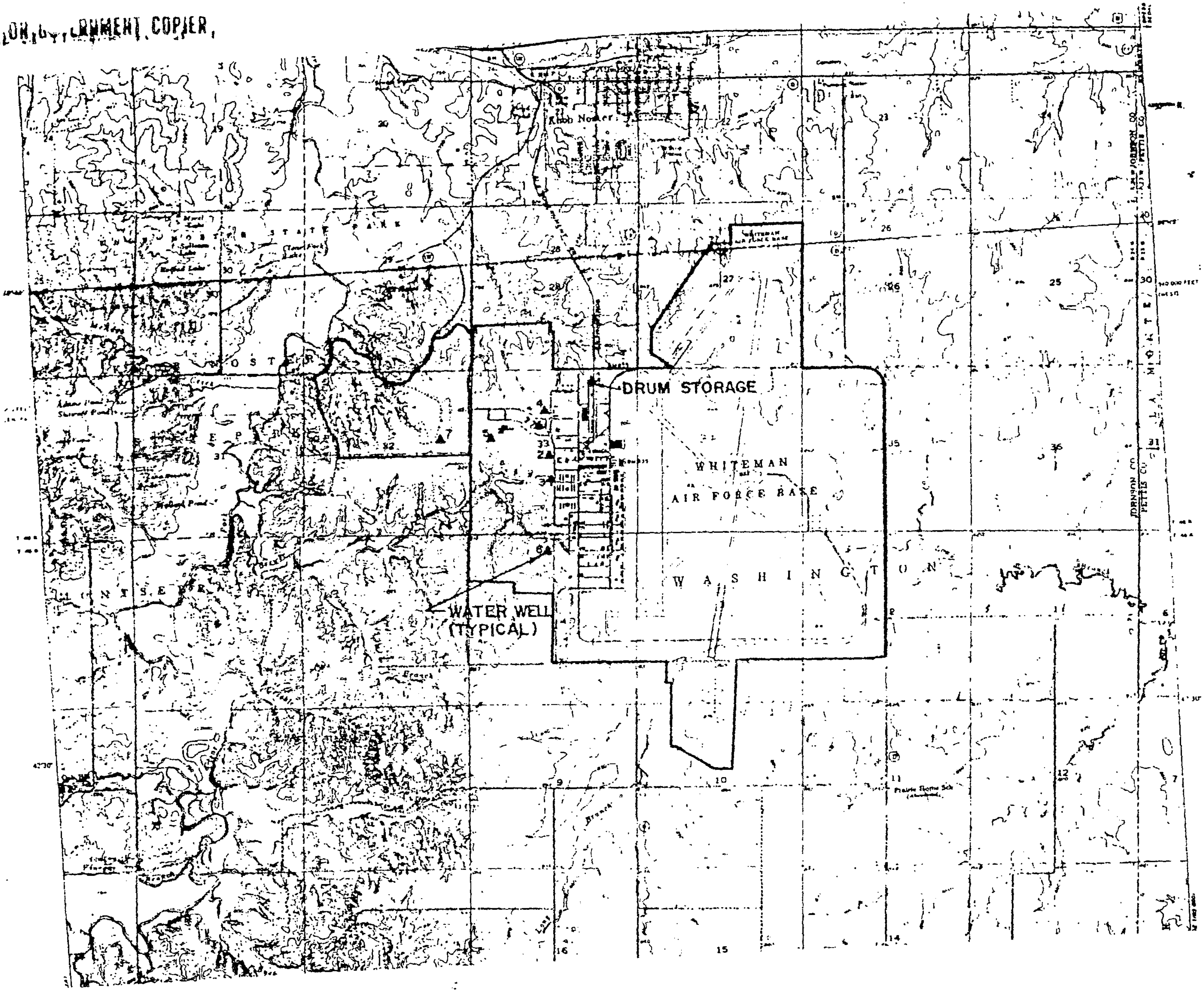

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **EPA HAZARDOUS WASTE NUMBER** — Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** — For each **listed waste** entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each **characteristic** or **toxic contaminant** entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate **all** the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				*included with above*

 CONTINUE ON PAGE 3

INSTALLATION RESTORATION PROGRAM

PHASE I - RECORDS SEARCH

WHITEMAN AFB, MISSOURI

PREPARED FOR

UNITED STATES AIR FORCE
STRATEGIC AIR COMMAND
Deputy Chief of Staff
Engineering and Services
Offutt AFB, Nebraska 68113

MARCH 1984

ES ENGINEERING-SCIENCE

NOTICE

This report has been prepared for the United States Air Force by Engineering-Science for the purpose of aiding in the Air Force Installation Restoration Program. It is not an endorsement of any product. The views expressed herein are those of the contractor and do not necessarily reflect the official views of the publishing agency, the United States Air Force, nor the Department of Defense.

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Cameron Station
Alexandria, Virginia 22314

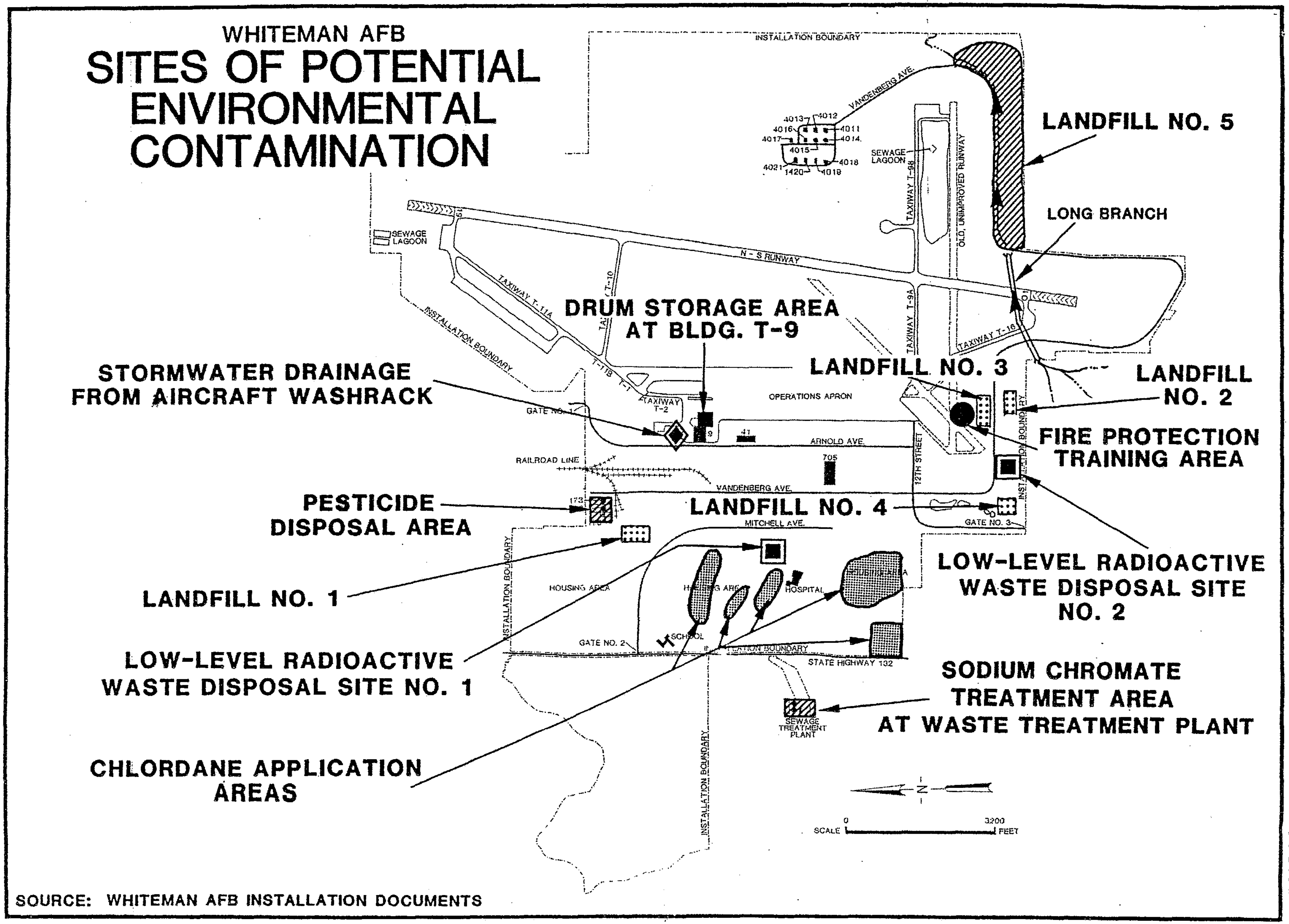
WHITEMAN AFB
SITES OF POTENTIAL ENVIRONMENTAL CONTAMINATION
LANDFILL NO. 5
LONG BRANCH
DRUM STORAGE AREA AT BLDG. T-9
STORMWATER DRAINAGE FROM AIRCRAFT WASHRACK
LANDFILL NO. 3
LANDFILL NO. 2
FIRE PROTECTION TRAINING AREA
PESTICIDE DISPOSAL AREA
LANDFILL NO. 4
LOW-LEVEL RADIOACTIVE WASTE DISPOSAL SITE NO. 2
LANDFILL NO. 1
LOW-LEVEL RADIOACTIVE WASTE DISPOSAL SITE NO. 1
SODIUM CHROMATE TREATMENT AREA AT WASTE TREATMENT PLANT
CHLORDANE APPLICATION AREAS
INSTALLATION BOUNDARY
VANDENBERG AVE.
SEWAGE LAGOON
N - S RUNWAY
TAXIWAY T-9B
OLD, UNIMPROVED RUNWAY
TAXIWAY T-11A
TAXIWAY T-9A
TAXIWAY T-16
OPERATIONS APRON
GATE NO. 1
ARNOLD AVE.
RAILROAD LINE
12TH STREET
MITCHELL AVE.
GATE NO. 3
HOUSING AREA
HOSPITAL
SCHOOL
GATE NO. 2
STATE HIGHWAY 132
SEWAGE TREATMENT PLANT
SCALE 0 3200 FEET
SOURCE: WHITEMAN AFB INSTALLATION DOCUMENTS

FIGURE 1

TABLE 1
SITES EVALUATED USING THE
HAZARD ASSESSMENT RATING METHODOLOGY
WHITEMAN AIR FORCE BASE

Rank	Site	Operating Period	Final HARM Score
1	Chlordane Application Areas	1980 - present	65
2	Fire Protection Training Area	1940's - present	63
3	Landfill No. 5	1972 - 1977	62
4	Excess Pesticide Disposal Area	1950's - present	59
5	Sodium Chromate Treatment Area At Waste Treatment Plant	1980 - 1981	56
6	Drum Storage Area At Bldg. T-9	1960's - present	51
7	Storm Water Drainage From Aircraft Wash Rack	1950's - present	46
8	Landfill No. 1	1940's	42
9	Low-Level Radioactive Waste Disposal Area No. 1	1952 - 1957	41
10	Low-Level Radioactive Waste Disposal Area No. 2	1957 - 1959	36
11	Landfill No. 2	1950's	35
12	Landfill No. 3	late 1940's - mid 1950's	34
13	Landfill No. 4	1957 or 1958	34

FORM 3 RCRA

U.S. ENVIRONMENTAL PROTECTION AGENCY
HAZARDOUS WASTE PERMIT APPLICATION
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F M 0 8 5 7 1 9 2 4 5 4 9

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

C 8 — YR. 79 MO. 07 DAY 01 — FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR. __ MO. __ DAY __ — FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[X] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. **PROCESS CODE** — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. **PROCESS DESIGN CAPACITY** — For each code entered in column A enter the capacity of the process.
1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C — DUP — T/A C: 1

LINE NUMBER	A. PROCESS CODE (from list above)	B. 1. AMOUNT (specify)	B. 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. 1. AMOUNT	B. 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	5500	G		7				
2					8				
3					9				
4					10				

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

GSA No. 0246-EPA-OT

EPA I.D. Number (enter from page 1): M 0 8 5 7 1 9 2 4 5 4 9

Secondary ID Number (enter from page 1):

XIV. Description of Hazardous Waste (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 6.

Line Number	Additional Process Codes (enter)

XV. Map

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature | Date Signed: 27 Aug 93

Name and Official Title (type or print): Larry W. Odom, Col, USAF, Commander, 509th Support Group

Operator Signature | Date Signed: 25 Aug '93

Name and Official Title (type or print): Col Albert Tinianow, Deputy Commander, DRMS-Operations West

XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)

MEL CARNAHAN
Governor

DAVID A. SHORR
Director

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
P.O. Box 176 Jefferson City, MO 65102

314/751-3176

HAZARDOUS WASTE MANAGEMENT FACILITY APPLICATION FORM

1. Name of Operator Col Albert Tinianow - DRMS-DW

Address 500W 12th Str. Phone (801) 399-7833

City Ogden State UT Zip Code 84407

Ownership Status [X] Federal [ ] State [ ] Private [ ] Public [ ] Other [ ] ______

Name of Land Owner Larry W. Odom, Col, USAF, Commander, 509th Support Group

Address 509th Support Group Phone 816 / 687 / 3008

City Whiteman AFB State MO Zip Code 65305

Name of Owner (other) ______

Address ______ Phone ___/___/___

City ______ State ______ Zip Code ______

2. Name of Facility Whiteman AFB

Address 509th Support Group Phone 816 / 687 / 3008

City Whiteman AFB State MO Zip Code 65305

Location of Facility: Nearest City or Town Knob Noster County Johnson

______ 1/4 ______ 1/4 ______ 1/4, Section ______

Township T46N, Range R42W, No. of Acres 4856

Latitude 38 44 030, Longitude 093 33 030

OFFICIAL USE ONLY
EPA FACILITY I.D. NO. ______

Confidentiality Requested ___/___/___
Confidentiality Granted ___/___/___
Date of Public Notice ___/___/___

Revised 3/11/88

Recycled paper

3. Type of Hazardous Waste Facility (Check Appropriate Box or Boxes)

[X] Container [ ] Tank [ ] Waste Pile [ ] Incinerator

[ ] Surface Impoundment [ ] Landfill [ ] Land Treatment [ ] Treatment

Attach forms for type(s) of hazardous waste facility checked above.

4. Is this a Post-Closure permit application? [ ] YES [X] NO

5. Is this facility to serve more than one generator? [ ] YES [X] NO

6. Will this facility handle more than one type of waste? [X] YES [ ] NO

All applications for a hazardous waste management facility permit must include the following information:

	As Required By
General and Specific Information Requirements	10 CSR 25-7.270(2)(B) and 40 CFR 270 Subpart B
Compliance with General Facility Standards	10 CSR 25-7.264(2)(B) and 40 CFR 264 Subpart B
Preparedness and Prevention	10 CSR 25-7.264(2)(C) and 40 CFR 264 Subpart C
Contingency Plan and Emergency Procedures Plan	10 CSR 25-7.264(2)(D) and 40 CFR 264 Subpart D
Compliance with Manifest, Recordkeeping, and Reporting Requirements	10 CSR 25-7.264(2)(E) and 40 CFR 264 Subpart E
Ground Water Protection	10 CSR 25-7.264(2)(F) and 40 CFR 264 Subpart F
Closure and Post-Closure Plans	10 CSR 25-7.264(2)(G) and 40 CFR 264 Subpart G
Compliance with the Financial Requirements	10 CSR 25-7.264(2)(H) and 40 CFR 264 Subpart H
Health Profile	10 CSR 25-7.264(2)(P)
Permit Application Fee	10 CSR 25-7.270(2)(B)7. and 12.010 (3)
Mailing Labels for Adjacent Land Owners	10 CSR 25-7.270(2)(B)9.A.
Names and Addresses of Elected Officials	10 CSR 25-7.270(2)(B)9.B.
Name and Address for the Closest Public Library	10 CSR 25-7.270(2)(B)9.C.
Missouri Application Form with Certifications	Section 260.395.7(1) RSMo.
Justification for Requests for Confidentiality	Section 260.430 RSMo.

CONTAINERS

1. Will the storage facility be operated under an Air Quality permit? ☐ YES ☒ NO

2. Will the storage facility be operated under an NPDES permit? ☐ YES ☒ NO

3. An application for hazardous waste containers must include the following information:

	As Required By
A. General Rules Applicable to All Facilities	10 CSR 25-7.270(2)(B)
B. Storage Facility (Containers and Tanks)	10 CSR 25-7.264(2)(I) and 40 CFR 264 Subpart I

4. Applicant's Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Operator Signature ______ Date 25 AUG 93

Land Owner Signature ______ Date 27 AUG 93

Owner (other) Signature ______ Date ______

5. Engineer's Statement

I have approved all engineering plans and reports contained in this permit application. It is my understanding that the engineering plans and reports have been prepared to comply with the Missouri Hazardous Waste Management Law and all applicable standards, rules, and regulations for hazardous waste storage facilities. It is also my understanding that this facility has been designed to ensure protection of humans, and the environment.

Registered Professional Engineer Submitting Plans

(affix seal)

Name Marvin T. Eaves

Consulting Firm ______

Address 930 Arnold Ave, Suite 101

City Whiteman Air Force Base State MO Zip 65305-502

Registration No. E-18343

Date 30 Aug 93 Phone (816)687-6263

Signature ______ P.E.

VII. SIC CODES (4-digit, in order of priority)

	Code	(specify)
A. FIRST	3724	Aircraft, missiles, cooling systems
B. SECOND	7699	General Main. & repair, N.O.S.
C. THIRD	7539	Auto repair, maintenance
D. FOURTH	9711	National Defense

VIII. OPERATOR INFORMATION

A. NAME: MULTIPLE-SEE ATTACHED EPA FORMS 3510-3

B. Is the name listed in Item VIII-A also the owner? ☐ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F = FEDERAL, S = STATE, P = PRIVATE, M = PUBLIC (other than federal or state), O = OTHER (specify)

F (specify)

D. PHONE (area code & no.)

E. STREET OR P.O. BOX

F. CITY OR TOWN: WHITEMAN AIRFORCE BASE

G. STATE: MO

H. ZIP CODE: 65305

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)	N	MO-0029378
B. UIC (Underground Injection of Fluids)	U	
C. RCRA (Hazardous Wastes)	R	
D. PSD (Air Emissions from Proposed Sources)	P	
E. OTHER (specify)		(specify)
E. OTHER (specify)		(specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Department of Defense Operational Facility including:
Vehicle maintenance
Helicopter operations, maintenance (4 helicopters)
Missile operations, maintenance

Supply, maintain and support an Air Force Base with a working population of 3843 including: 992 housing units, central steam plant (nat. gas powered), utilities (nat. gas and electric is purchased)

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)
Jay W. Kelley, Colonel, USAF
Commander, 351 Combat Support Group

B. SIGNATURE
Jay W Kelley

C. DATE SIGNED
23 Dec 82

COMMENTS FOR OFFICIAL USE ONLY

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INSTALLATION RESTORATION PROGRAM
PHASE II - CONFIRMATION/QUANTIFICATION
STAGE 1

DRAFT FINAL REPORT

FOR

WHITEMAN AIR FORCE BASE
KNOB NOSTER, MISSOURI

May 6, 1986

Prepared by:

ECOLOGY AND ENVIRONMENT, INC.
195 Sugg Road, Buffalo, New York 14225

USAF CONTRACT NO.: F 33615-83-D-4003, DELIVERY ORDER NO.: 0008

CONTRACTOR CONTRACT NO.: F 33615-83-D-4003, DELIVERY ORDER NO.: 0008

USAFOEHL TECHNICAL PROGRAM MANAGER

2LT GARY L. WOODRUM
Technical Services Division (TS)

Prepared for:

USAF OCCUPATIONAL & ENVIRONMENTAL HEALTH LABORATORY (USAFOEHL)
Technical Services Division (TS)
Brooks Air Force Base, Texas 78235-5501

addition to chlordane, these samples were analyzed for lead, oil, and grease, pesticides and herbicides, and volatile organic compounds.

Localized areas containing elevated levels of chlordane were found in each of the five application areas (see Figure 4-1). A background sample (sample no. 26) taken in an area thought to be free of chlordane applications showed no level above the detection limit of 0.08 mg/kg (see Table 4-1). The highest values of chlordane were recorded in the Summit Circle area (350 mg/kg); Marshall Drive and Post Drive area (52 mg/kg); the western half of the Barksdale Lane area (38 mg/kg); and the Carlswell area (17 mg/kg). The remaining samples contained levels ranging from 9.2 mg/kg to below detection limits. Only one second-column confirmation was deemed necessary according to the Statement of Work. Sample 28 required confirmation for d-BHC. The result was negative. Lead values found in the samples from Brewer Branch Creek were within background levels. Except for a chlordane value of 0.13 mg/kg in sample no. 27, the creek samples were free of chlordane, pesticide, herbicide, volatile organics, and oil and grease contamination. Laboratory results are presented in Tables 4-1, 4-2, 4-3, and 4-4.

4.1.2 Fire Protection Training Area (FPTA)

Twenty-eight soil samples (25 from five 5-foot deep boreholes and three grab samples from drainage pathways) were taken at the FPTA. Figure 4-2 shows the sampling locations, which were located to enable characterization of the perimeter of the training pit. Samples were analyzed for lead, chromium, phenols, oil and grease, and volatile organic compounds.

Borings 3, 4, and 5 were located directly east of the FPTA, in a broad low area where surface water from areas to the east collects. Boring 5 contained 1.2 mg/kg phenols at a depth of 3 to 4 feet (sample no. 78). No volatile organic compounds or oil and grease were detected in any of the samples. The values for lead and chromium were within background limits (15 ug/kg and 70 mg/kg, respectively), except for a lead value (39.4 mg/kg) from the Boring 5, 0 to 1 foot sample. Two oil/ water separators control drainage from the FPTA pit and discharge water into nearby drainage pathways while retaining any unburned fuel in the separators. Separator performance appears to be

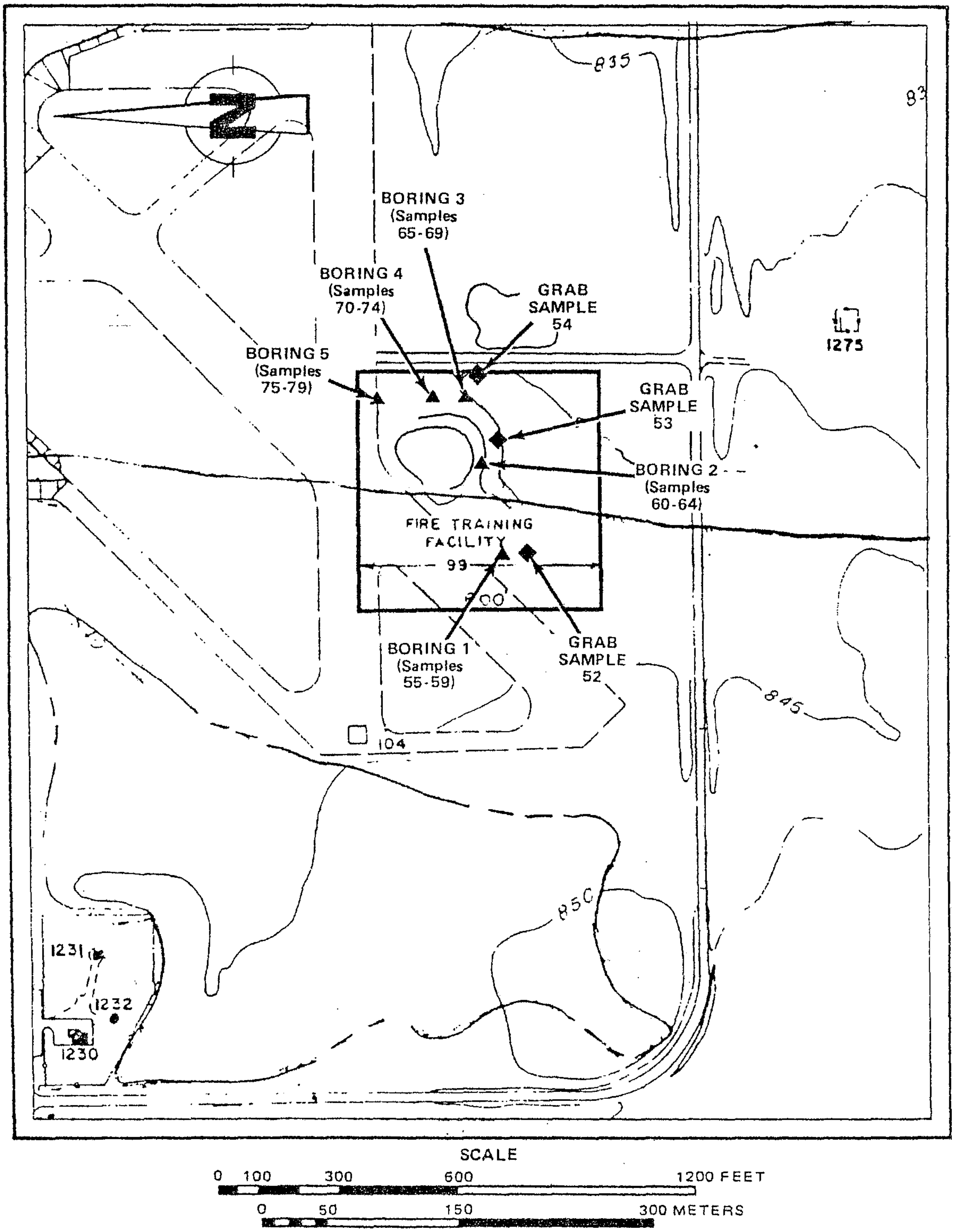

Figure 4–2 FIRE PROTECTION TRAINING AREA (FPTA) SAMPLING LOCATIONS

adequate, based on analyses of downstream samples from drainage pathways. Three soil samples from the drainage pathways contained no volatile organic compounds, oil and grease, or or phenols. Concentrations of chromium and lead were within background levels for soil types present at the base. Results of the laboratory analyses are presented in Tables 4-5, 4-6, and 4-7.

4.1.3 Landfill 5

Landfill 5 is identified in the Phase I report as the area south of Vandenburg Road and Long Branch Creek in the southeastern corner of the base. The site is reported to consist of a number of trenches used between 1970 and 1977. A 1972 aerial photo (see Table 3-2) shows a single open trench in the west corner of the study area. No other photos were found that showed any of the other trenches in operation. The 1977 and 1984 photos show disturbed area only in the western half of the Landfill 5 area as outlined in the Phase I report. Based on this information, the preliminary magnetometer survey was limited to the western half of the site.

The magnetometer survey was designed to locate general trench areas so the boreholes could be placed to permit monitoring for contamination from the trenches. Field conditions of heavy undergrowth limited the magnetometer survey to a 50-foot wide corridor. This corridor was designed to skirt the north side of the suspected trench areas. The magnetometer was able to locate three major magnetic areas and several minor areas, one of which correlated to the 1972 trench. The preliminary magnetometer survey revealed suspected trench areas, but did not define the trenches. The boreholes were placed in locations near the suspected trench areas and between the suspected trench areas and Long Branch Creek.

Fifty-three soil samples, including 48 borehole samples from six borings, and five benthic sediment samples were taken at Landfill 5 (Figure 4-3 shows sampling and borehole locations). The samples were analyzed for lead, chromium, phenols, oil and grease, and volatile organic compounds. Lead and chromium values were found to be within the normal ranges of these metals in similar soils. Phenols were detected in 9 of 16 samples from Borings 4 and 5. Boring 4 showed phenols from depths of 4 to 14 feet, with the highest value (1.32

in the landfill area, in this case, lead and chromium. This scenario supposes that the yard dump has been leaking leachates into the north-flowing creeks for many years.

No phenols were detected in any of the boring samples. However, oil and grease levels, ranging from 97 mg/kg to 310 mg/kg, were found. No volatile organic contamination was detected. Tables 4-28, 4-29, and 4-30 present laboratory results from this landfill.

4.1.9 Low-Level Radioactive Waste Disposal Area 1

The Phase II, Stage 1, investigation was unable to locate the low-level radioactive waste disposal area supposed to be located on North Barksdale Road (Refer to page 5-5 of Phase I report). A preliminary geophysical survey was performed on one likely area, but no geophysical anomalies were found that would justify drilling a borehole.

4.1.10 Low-Level Radioactive Waste Disposal Area 2

A 20-foot borehole was drilled outside Rad Area 2, 30 feet from the fence, to the north. Rad Area 2 is shown in Figure 4-8. The drill cuttings were monitored for radioactivity with a Rad-Mini instrument, and the probe was then lowered into the borehole. No elevated alpha, beta, or gamma radioactivity was found. This disposal area is clearly identifiable and secured with a fence.

4.1.11 Landfill 2

According to the Phase I report, Landfill 2 was operated for a very short time during the 1950s. Historical aerial photos indicate disposal activity occurred after 1957. The 1965 aerial photo shows a trench along the south boundary of the base in this area. Based on the date of operation, the south boundary trench could not be Landfill 2 as described in the Phase I report. The Landfill 2 area also contains a hardfill area, which appears on 1984 photos, but not on any earlier photos.

Preliminary geophysical surveys were performed over the area (see Figure 4-8). Geophysical survey results for the hardfill area were inconclusive because of interference from metal in the hardfill. However, the preliminary survey revealed two east-west linear areas of

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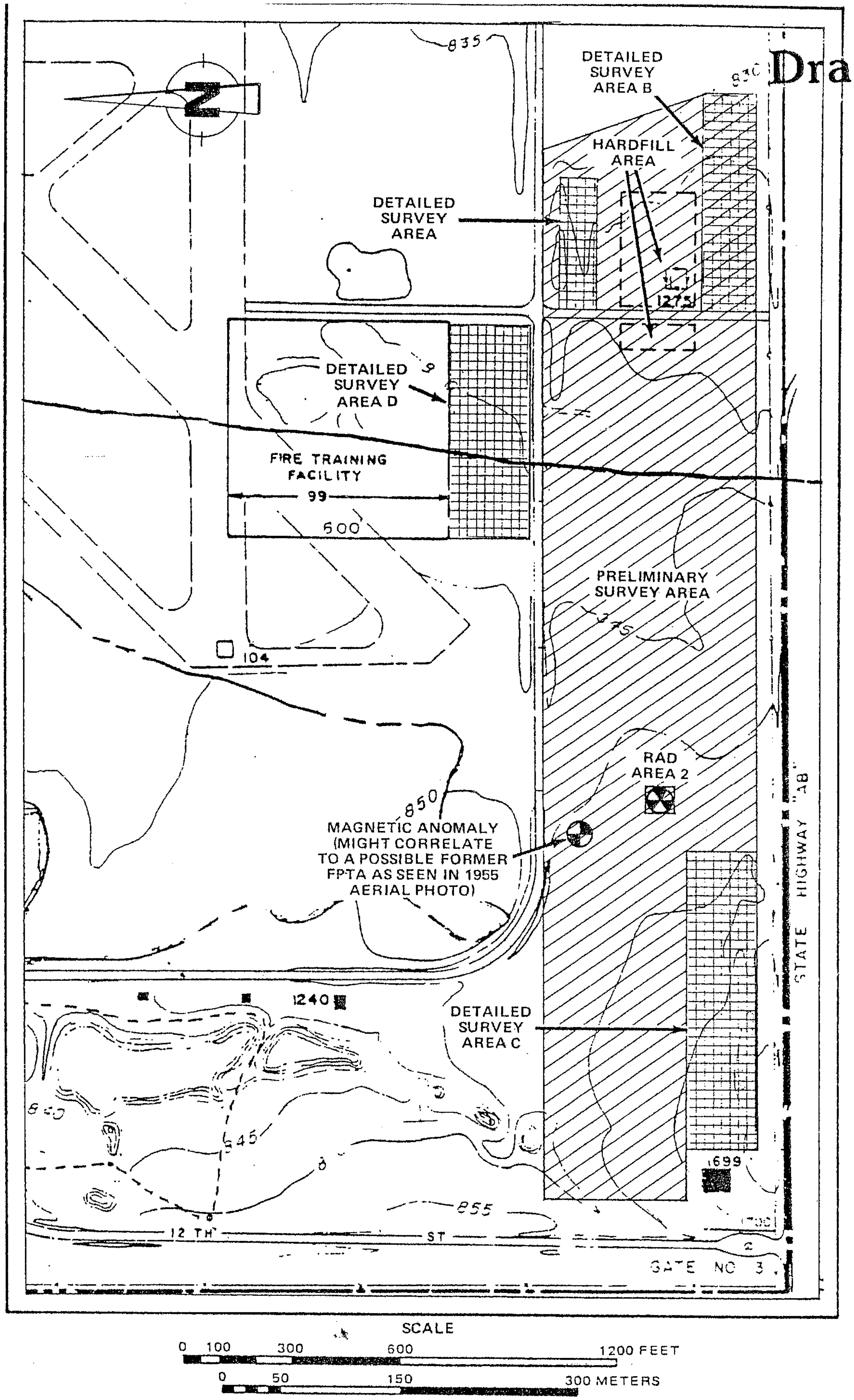


Figure 4–8 PRELIMINARY AND DETAILED GEOPHYSICAL SURVEY AREAS

anomalies, one north and one south of the hardfill area. The south anomaly corresponded to the trench seen on the 1965 photo.

Detailed geophysical surveys were performed over the two anomalous areas. Geophysical contours for these areas are shown on Figure 4-9 (north area; Area A) and Figure 4-10 (south area; Area B). Based on the location of the trenches as determined by the aerial photos and geophysics, four 16-foot boreholes were drilled and 30 of 32 allocated soil samples were taken (see Figure 4-11 for sample locations). Two samples were not taken due to the presence of hardfill at certain prescribed sampling depths. The samples were analyzed for lead, chromium, phenols, oil and grease, and volatile organics. Borings 2 and 4 were found to contain low levels of phenols. Boring 2 was located south of the south trench, and Boring 4 was located east of the north trench. Boring 1 was the only borehole that intersected groundwater. Oil and grease was detected at values ranging from 51 to 1,400 mg/kg in borings 2, 3, and 4 which were sited based on the geophysical data that delineated two trenches in the areas. Boring 1 was a downgradient sampling point. The concentrations of oil and grease were highest at the depths of 4 to 10 feet below ground surface. These depths would correlate to depths of trenches excavated in a normal trench-and-fill operation. This indicates that the trenches are releasing oil and grease into the adjacent sediments. The analytical results are presented in Tables 4-31, 4-32, and 4-33. Figure 4-12 shows the two identified trenches and the original Phase 1 survey areas for Landfill 2.

4.1.12 Landfill 3

According to the Phase I report, Landfill 3 is located south of the FPTA and north of Vandenberg Avenue (see Figure 4-12). None of the aerial photos indicated any landfill activity in this area. Preliminary and detailed geophysical surveys were performed in this area (Detailed Survey Area D on Figure 4-8), but neither survey revealed any trenches.

To confirm that a landfill was not located in the study area, a single 16-foot borehole was drilled in a slight depression area of the site, and eight soil samples were taken (see Figure 4-11 for sampling location). The boring penetrated only natural undisturbed sediments.

The samples were analyzed for lead, chromium, phenols, oil and grease, and volatile organics. An oil and grease level of 6,660 mg/kg and a lead level of 815 mg/kg were found in the surface (0 to 2 feet) of the boring. These levels are probably attributable to surface runoff from the FPTA which frequently ponds in the area where the borehole was drilled. No volatile organics or phenols were detected in the samples. Tables 4-34, 4-35, and 4-36 present the laboratory results from these samples.

Three of the boreholes allocated to the Landfill 3 study were drilled in the Landfill 4 study area, where a second trench was delineated during the field investigation. Since the precise locations of the landfills in the southeast corner of the base were not known with certainty, the borehole and sample allocations in the Statement of Work were adjusted to best permit characterization of the actual field occurrence of identified landfills or trenches.

4.1.13 Landfill 4

According to the Phase I report, Landfill 4 is located in the extreme southwest corner of the base, northeast of Windsor Gate (see Figure 4-12). None of the aerial photos showed any landfill activity in this area. A land-based photo from 1957 showed activities which may correlate to the operation of Landfill 4. The field investigation identified a 5-foot high ridge running along the south boundary of the base in a north-south orientation. Landfill material was observed along a disturbed area east of the ridge. A minor depression was noted running northwest from the western edge of the ridge. The preliminary geophysical survey was expanded from the Phase I Landfill 4 area to include the high ridge area. On the basis of observations and the preliminary geophysical results, a detailed geophysical survey was performed over the high ridge area and the area of the minor depression running northwest from the ridge (Detailed Survey Area C on Figure 4-8). Figure 4-13 shows Area C geophysical contours. Field observations and the geophysical results indicated a long trench corresponding to the high ridge and continuing east of the high ridge, and a short trench in the depression northwest of the long trench.

A total of seven 16-foot soil borings were installed at selected locations in this area as indicated by the geophysics. As previously contained PCBs. This could explain the identification of Arochlor 1254 at the outfall pipe that drains this area.

The volatile halocarbons tetrachloroethene and 1,1,2,2-tetrachloroethene are considered by EPA to be "possible human carcinogens." There is extensive toxicological literature on the effects of lead in man. Lead affects a wide variety of organ systems across a wide range of exposure levels indexed by blood lead levels (micrograms per deciliter or ug/dl). At high levels, lead induces severe neurotoxic and gastrointestinal effects. Toward lower levels of exposure, lead produces less severe but important signs of impairment in normal physiological functioning (e.g., peripheral nerve dysfunction, reduced hemoglobin function). Increasingly, newer research is demonstrating significant effects at blood lead levels (below 30 ug/dl) previously regarded as safe. For adults, these effects include elevations in blood pressure. For children, who are particularly susceptible to the effects of lead, they include significant cognitive (IQ decrement) and behavioral effects. Chromium is an essential element in the human body, however, chromium over-exposure may cause dermal sensitization. In addition, hexavalent chromium has been identified as an inhalation carcinogen based upon limited animal data and extensive epidemiological studies of workers exposed to chromates. Lead and chromium are also known to bioaccumulate in the food chain.

The Aircraft Wash Rack is reported to now be equipped with an oil/water separator that discharges to a sanitary sewer. However, the occurrence of these compounds at the drain outfalls indicates that earlier base operations have not contained these contaminants.

4.2.8 Landfill 1

The Phase II, Stage 1, findings reveal that this landfill is unlike the other landfills in that material was apparently spread over a broad area and not buried in discrete trenches; the perimeter of the area is not defined. Seeps observed during the field investigation indicate that the landfill may be leaching contaminants. Based on the available data, no immediate health hazards can be identified for this site. Potential problems associated with this site if it is found to be contaminated include exposure to a greater number of people than any other site except for the chlordane application areas,

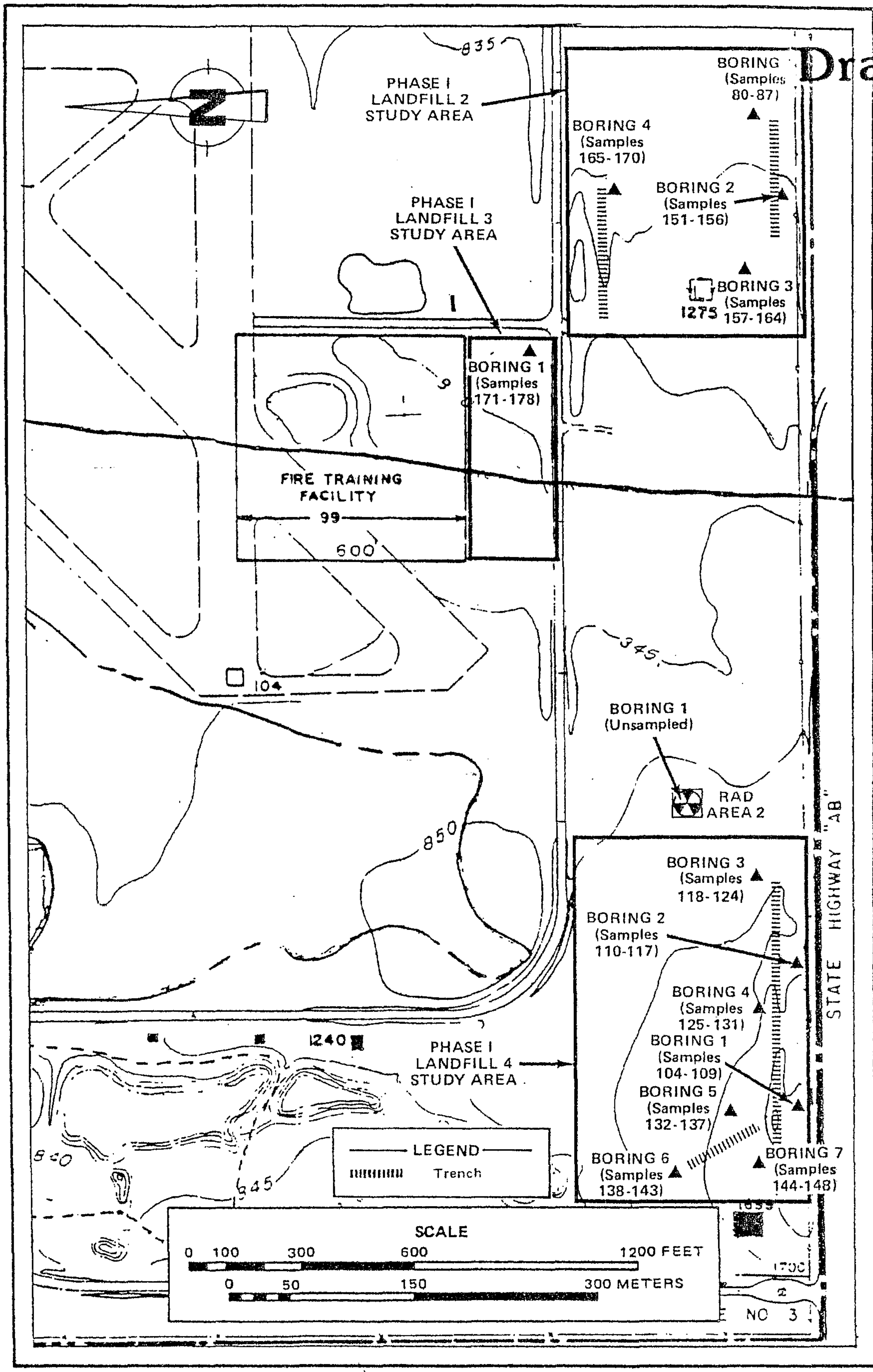


Figure 4–11 LOW-LEVEL RADIOACTIVE WASTE DISPOSAL AREA 2 AND LANDFILL 2, 3, AND 4 SAMPLING LOCATIONS

contamination of creek and surface waters which leave the base, and the potential of contaminating the base water supply system.

4.2.9 Low-Level Radioactive Waste Disposal Area 1

Although Rad Area 1 could not be located, the radiation hazard from this area is believed to be minor, as only low-level radioactive material was buried in it, and the material was reportedly removed to Rad Area 2.

4.2.10 Low-Level Radioactive Waste Disposal Area 2

Based on the Phase II, Stage 1, testing for radioactivity, the area presents little radiation hazard in its present condition.

4.2.11 Landfill 2

4.2.11.1 Old Landfill 2 Area

A review of sampling results showed oil and grease contamination in subsurface soils down to 16 feet in Borings 2, 3, and 4 from this area. The extent of contamination is unknown; however, individual samples from each of the boreholes show the highest concentrations of oil and grease at the 4- to 10-foot depth. These depths would correlate to depths of a normal trench-and-fill operation and indicate that the trench identified in the field is probably leaching oil and grease into the adjacent sediments. These concentrations ranged from approximately 600 mg/kg to 1,400 mg/kg. No health hazards are apparent.

4.2.11.2 Landfill 2

The Landfill 2 trench has now been located southeast of Landfill 4. Based on sampling results, the phenols found in the borings around this trench may be evidence of a leachate plume migrating north and downgradient from the trench area. Based on the hydrogeology of this area, leachate may enter the impoundments located just north of the site. Surface runoff from the area also drains to the impoundments. The impoundments drain into Brewer Branch Creek, which then flows off-base.

The impoundments make up one of the recreational areas of the base, and so present a potential source of exposure to humans using them. Potential health risks cannot be quantified at this time.

4.2.12 Landfill 3

No landfill was identified in the area outlined as Landfill 3 in the Phase I report and no soil contamination was detected in the subsurface soils. No hazard is believed to exist from this site.

4.2.13 Landfill 4

Landfill 4 is located close to the Landfill 2 trench and therefore presents the same contamination potential. Both surface drainage and leachate migration from this area are directed to the impoundments located just north of the landfill.

4.2.14 Underground Fuel Storage Tanks Area

No contamination was detected at the underground fuel storage tanks at Building S-92, except for oil and grease, which ranged from below detection limits to 310 mg/kg. The levels are consistent with the fuel transfer operations performed in this area. The three boreholes and 15 soil samples showed no volatile organics or phenols above background levels.

UNCONTROL) HAZARDOUS WASTE SITE INVESTIG ION

PRELIMINARY ASSESSMENT

JOHNSON COUNTY, MISSOURI

August 9, 1984

~~File~~

MO8571924549

FACILITY: Whiteman Air Force Base
351 SMW/CC
Whiteman Air Force Base, Missouri 65305

INVESTIGATOR: Steven A. Johnson, Environmental Specialist
Waste Management Section
Kansas City Regional Office
Missouri Department of Natural Resources

DATE INVESTIGATION INITIATED: July 16, 1984

DATE INVESTIGATION COMPLETED: July 26, 1984

BACKGROUND OF INVESTIGATION:

This site was placed on the formal list of locations to be investigated in FY 83-84. Designation and identification of the sites were gained through submittal of CERCLA 103 by the Air Force.

Whiteman Air Force Base is a federally-owned facility that began operations in 1942 as a training site for paratroopers and glider tactics. It has since evolved from a transition field to a SAC Base to its current designation as the operations base of the 351st Strategic Missle Wing of the United States Air Force.

Currently, thirteen (13) confirmed or potential uncontrolled hazardous material areas have been identified. Of these, six (6) have been found to hold sufficient potential to warrant further investigation (refer to IRP, March 1984). This report is submitted as summary and ancillary review of the IRP Report and site status inspection pending further investigation.

According to available reports, logs and testimony, the sites that have been identified, were utilized during the facility's operative life for application and disposal of a variety of flammable, ignitable, toxic and radioactive substances. The greater base area is described as Section 33, T 46 N, R 24 W, Johnson County, Missouri.

PERSONS INTERVIEWED: Mr. Charles Becker
Wastewater Plant Supervisor
Whiteman Air Force Base

Mr. Howard McGuire, P.E.
Chief of Environment & Contract Planning
Whiteman Air Force Base

Capt. Don Michael Bradford
Deputy Chief; USAF Environmental Planning Division
Department of the Air Force
Air Force Regional Civil Engineer
Central Region (AFESC)
1114 Commerce Street
Dallas, Texas 75242

BRIEF SUMMARY OF INFORMATION OBTAINED:

The majority of all obtainable information is quantified and summarized in the Installation Restoration Program (IRP) Report issued by Engineering-Science (E-S) and the USDOD. Based upon available file data and site observations, there appears to be ample foundation for pursuit of secondary evaluation/remediation measures. Documented instances of surface soil and water contamination on the base have prompted routine monitoring of at least one surface runoff stream and area soil conditions. Six (6) previous disposal sites have been identified for follow-on investigation and possible remediation. Subsequent file reviews and an overview inspection conducted on July 19, 1984 tend to support the observations noted in the Phase I, IRP Report with some variations.

According to the base engineering planners, Phase II Part I of the IRP has been initiated with emphasis being placed on obtaining data concerning possible contamination levels, parameters and migration of contaminants off-site. The presence of surface contaminants has been confirmed in prior monitoring activities, particularly in the areas involving chlordane/Dursban application, pesticide disposal and fire training burn areas.

WASTE CHARACTERISTICS:

According to current files and reports, a considerable number of diverse wastes were either spilled, leaked, applied or disposed of on base property and are detailed in the attached IRP Report. Wastes representing virtually every hazard category have been either confirmed or alleged to be present in surface streams and soils in localized areas. The most probable sources or potential contaminant migration appear to be from the burn pit areas, associated oil/water phase separators and Landfill #5. These areas have either confirmed or reported quantities of ignitable and/or corrosive liquid wastes either in site or drummed and buried. Compounds alleged include cleaning solvents, MEK, ethylene glycol, waste fuels and engine oil.

Pesticide application and disposal areas examined to date have indicated detectable levels of certain chemicals including chlordane, malathion, Dursban and Pramitol 25 E. Detected compounds entail moderate to acute toxicity and moderate to high persistence and bioaccumulativity. When applied, the majority of the chemicals listed were in aqueous solution. Most are highly soluble in water.

INVESTIGATION NARRATIVE:

Basically, the account given in the IRP Report presents a fairly accurate description of site characteristics in most respects. The purpose of this narrative will be to expound upon some items presented in the report and provide additional data for evaluation purposes. Demographic and hydrogeologic findings are presented in the IRP Report.

Initially, the fire training (burn pit) areas are the most readily visible sources of potential contamination. The area consists of two (2) burn pits with associated phase separators. At the time of the overview inspection both open separators were visibly leaking through the berms. No discharge was observed from the outflow pipe but a continual stream of oily liquid was observed originating at both impoundments. It was apparent that some fraction of the oil phase does discharge through the outflow due to the existence of considerable staining of the area. Detectable fuel odor and staining were present in the drainage ditch for a distance of approximately 100 yards. This office was notified on July 20, 1984 that work had begun on removing the leaking separators and constructing lines, concrete separators in their place that are to be more efficient in phase operation. In addition, protective berms are to be constructed around the burn pits along with inverted drains to prevent surface run-on and reduce the fluid load delivered to the separators and subsequent discharge. Plans are being made to excavate, backfill and revegetate contaminated areas.

The Summit Circle area located in the extreme southwest corner of the base housing complex appears to have the greatest potential for residual concentrations of the pesticide chlordane and Dursban. This area was reported to be the site of an incident that occurred December 1983 involving surface discharge of dilute pesticide. Official accounts stated that a contractor had been hired to perform sub-surface injection of the pesticide chlordane around fourteen of the base housing units. Each unit, which holds two dwellings, is equipped with a sub-surface peripheral draine system to prevent basement leakage. This drain system is linked to a central sump in each unit. As the pesticide solution was injected around the buildings it was collected in the perforated pipe drains where it then flowed into the sump. As the sump filled with the solution an automatic pump was activated which discharged the chemical into a central storm drain. This drain empties to a small surface ditch located on the north-central edge of the circle drive. Flow from this area is to Brewer Branch. According to reports, the discharge was in sufficient concentration to appear milky in color. Burlap bags filled with activated carbon were placed in the flow channels in an effort to adsorb the chemicals from the discharge. Base personnel were informed of the situation and instructed to avoid contact with these areas. Reportedly, children of base personnel were observed playing in and around the discharge points during the incident.

Base Health Officers and Environmental Engineering Department set up an analytical sampling program to determine the severity and extent of contamination from this and other application areas. Nine (9) downstream points were designated for monitoring on a monthly schedule (see Attachment I). Significant quantities persisted for an estimated sixty (60) days before levels dropped to current concentrations. Presently the range had been established at 14-19 PPB in the soil fraction and 1-2 PPB (1.6 PPM maximum) in the effluent water.

Reportedly the surface discharge from all other treated units (areas) contains pesticide residue below detectable levels. Those housing areas were included as potentially contaminated areas since they had been treated at one time or another. This inclusion was considered to be precautionary since the pesticide application program has been ongoing since 1980.

It was reported that background water samples taken upstream from the contaminated areas have, on occasion, held detectable levels of chlordane and other pesticide residue though the reason(s) for these sporadic occurances is not known.

The rinse area for pesticide containers and equipment presently shows no visible signs of excess contamination either on or around the concreted pads. Reportedly there have been infrequent instances of vegetative stress on the northern slopes of this facility particularly during use of the herbicide Tramitol. However, it appears that the grated drains empty to a storm sewer which discharges north into a drainage ditch serving Clear Fork Creek. Routine monitoring of this migration path was not reported.

The sodium chromate treatment area is comprised of a small storage (10' X 20') on a concrete pad. The area around the building sits adjacent to a small ditch that drains to Brewer Branch. No visible evidence of surface contamination was found.

Landfill No. 5, located on the southeast corner of the base, seems to hold the greater potential for waste migration of the listed landfills. The IRP Report (attached) states that "Visible drums were removed for off base disposal after 1981". However, the barrels removed were reportedly empty. Past and present base employees estimated 30-50 drums to be present in the landfill. These wastes are, to date, unidentified. No evidence of surficial contamination was observed on the landfill site. Other former landfill sites and hardfill locations do not appear to possess any significant potential.

All other disposal areas listed in the IRP Report were found to be as described.

CONCLUSIONS AND RECOMMENDATIONS:

Based upon observations of the identified areas and corresponding geological considerations, six (6) sites on the base would appear to warrant further investigation. They are as follows:

1) Landfill No. 5 - Sufficient probability exists to include this area in a comprehensive monitoring and evaluation plan. Based upon the contentions that this site lies in an area which may serve as a recharge zone for surficial aquifers and the adjoining Long Branch Stream, and the implied present of unknown quantities of ignitable and toxic wastes, additional information is needed.

2) The Fire Protection Training Area poses a potential risk based upon visual observations and length of service on the base. A variety of ignitable and possibly toxic waste elements have been deposited on and around the area which is subject to surface run-off. Incidental contamination of upper level soil strata may be encountered.

3) Sodium Chromate Treatment Area - Due to the small quantities of waste handled at this site and the lack of reported or visible contamination, this area does not appear to warrant priority action. However, the reactive and toxic characteristics of the waste do call for some determination of the quantity present.

4) Drum Storage Area (T-9) - This area shows evidence of peripheral infiltration of oils and lubricating fluids into surrounding soils. No visible run-off or surface pooling was evidence.

5) Excess Pesticide Disposal Area and Rinse Bays - The rinse bays appear to present the greatest potential for migration of contaminants since the area discharges to a subsurface drainage system. Though there have been instances of vegetation loss on the northern slopes of this area, no signs of abnormal stress were noted during the inspection. The migration potential for the excess pesticide disposal area (POL) appears to be low due to level topography, expance of the site and present of clayey soils. Both sites do however drain in the same direction allowing for possible quantification of contaminants downstream from implied discharge zones.

6) The chlordane application areas appear to hold low potential for significant contamination with the exception of the area around Summit Circle Drive mentioned previously. On-going monitoring of surface discharge and soil grab sampling would seem to indicate that all but a few isolated areas would warrant only marginal concern. However, the relative stability and inherent toxicity of the identified contaminants do provide impetus for tertiary examination.

Recommendations for further evaluation of the respective areas tend to echo those listed in Table 6 - 1 of the attached IRP Report. Phase II, Part I evaluation studies are currently in progress and appear to address revelant parameters and methods. However, it is felt that primary sampling and analysis of surface water discharge paths be performed in two areas not included in the plan. Due to the characteristic buoyancy and retention of oils and hydrocarbons in the burn area, it is recommended that periodic sampling of surface discharge from the burn areas be undertaken during periods of surficial soil saturation and/or incidental flow. Such actions are also contingent upon the extent of infiltration to be determined by soil borings.

Second, some attention should be given to identifying the characteristics of surface run-off from the pesticide disposal and wash areas. Infrequent spills, routine discharge and the potential for lateral migration from the POL storage area indicate that a quantitative assessment of discharge from these areas should be performed. Sampling should be performed during periods of low to moderate flow with parameters including pH, TOC, TOH and phenols.

REPORT BY:

Steve A. Johnson
Steve A. Johnson
Environmental Specialist

APPROVED BY:

Roma P. Jenkins
Roma P. Jenkins
Environmental Engineer

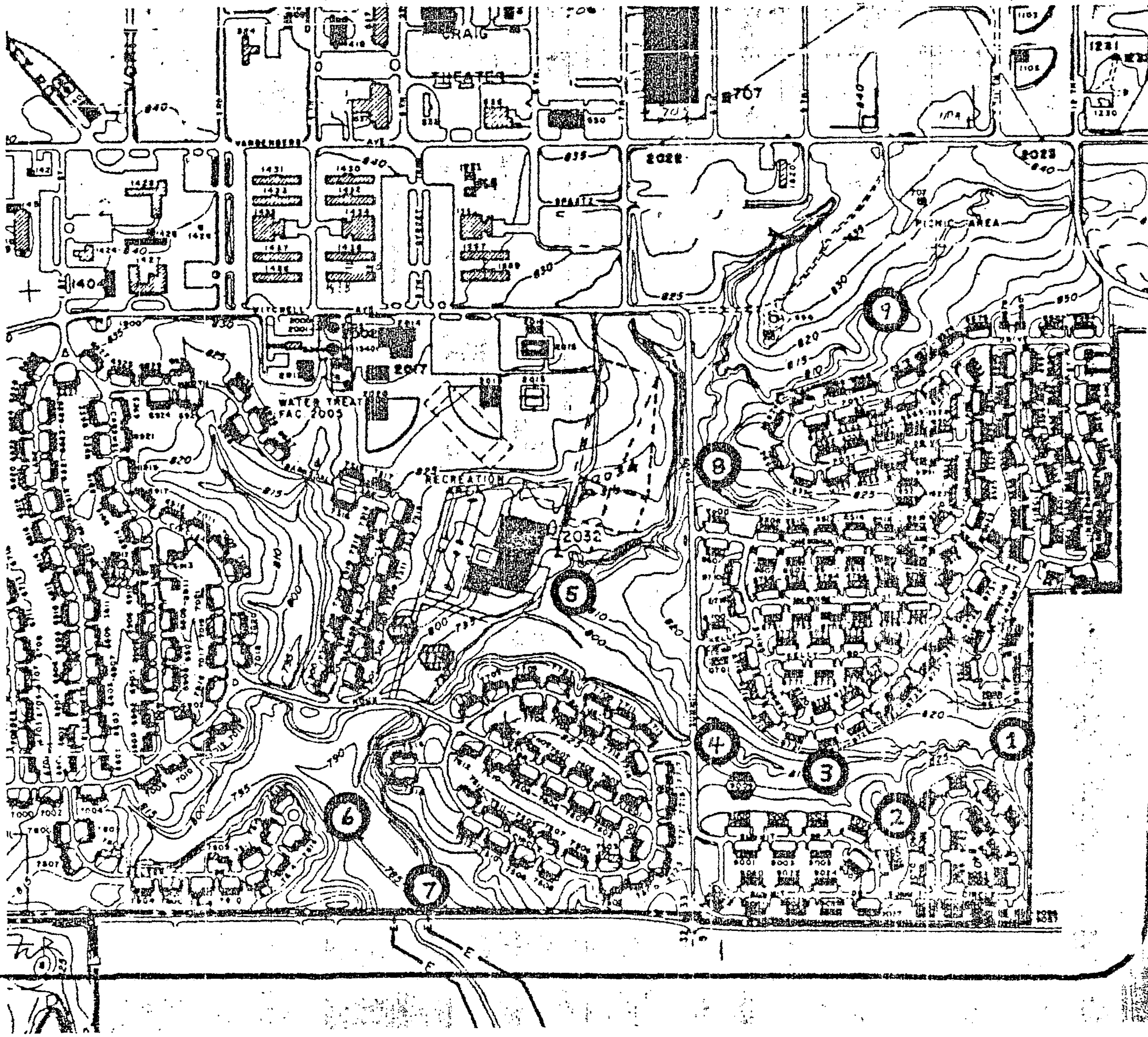
APPROVED BY:

James R. McConathy
James R. McConathy

SAJ/mb

N

CHLORDANE / DURSBAN



FIELD TESTS

1 C:______
H:______
D:______

2 C:______
H:______
D:______

3 C:______
H:______
D:______

4 C:______
H:______
D:______

5 C:______
H:______
D:______

6 C:______
H:______
D:______

7 C:______
H:______
D:______

8 C:______
H:______
D:______

9 C:______
H:______ D:______

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): WHITEMAN AIR FORCE BASE

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 351 ST LSG-DEEV

03 CITY: WHITEMAN AFB

04 STATE: MO | 05 ZIP CODE: 65305 | 06 COUNTY: JOHNSON | 07 COUNTY CODE: 101 | 08 CONG DIST: 4

ACF 1-24

09 COORDINATES LATITUDE: 38 44 03.0 LONGITUDE: 93 33 03.0

10 DIRECTIONS TO SITE (Starting from nearest public road): U.S 50 HIGHWAY TO HIGHWAY J; SOUTH ON J HIGHWAY @ 1.2 MILES TO THE BASE ENTRANCE ON THE LEFT.

III. RESPONSIBLE PARTIES

01 OWNER (If known): US. DEPT. OF DEFENSE

02 STREET (Business, mailing, residential):

03 CITY: WASHINGTON, D.C.

04 STATE: | 05 ZIP CODE: | 06 TELEPHONE NUMBER: ( )

07 OPERATOR (If known and different from owner): US AIR FORCE - WHITEMAN AFB

08 STREET (Business, mailing, residential): 351 SMW/CC

09 CITY: WHITEMAN AFB

10 STATE: MO | 11 ZIP CODE: 65305 | 12 TELEPHONE NUMBER: (816) 687-1110

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☑ B. FEDERAL: USDOD - DEPT OF AIR FORCE (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: ______ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: __/__/__ MONTH DAY YEAR ☑ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION ☐ YES ☐ NO DATE 9 1 83 7/19/84 MONTH DAY YEAR

BY (Check all that apply) ☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☒ D. OTHER CONTRACTOR ☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: ______ (Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one) ☑ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION 1941 1984 BEGINNING YEAR ENDING YEAR ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
- CHLORDANE RESIDUAL
- VARIOUS PESTICIDES (CHLORINATED)
- FLUID SOLVENT WASTES (HALOGENATED AND NON-HALOGENATED)
- NON-VOLATILE COMBUSTIBLE RESIDUES
- FLAMMABLE WASTE FUELS
- CHROMATE (HEXAVALENT)
- WASTE OIL AND LUBE FLUIDS

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
SIX SITES LOCATED ON THE BASE HAVE BEEN DETERMINED TO POSE POTENTIAL HAZARDS TO SURFICIAL SOILS, SURFACE WATER DISCHARGES AND (TO A LESSER DEGREE) SHALLOW SERVICE AQUIFERS IN THE IMMEDIATE AREAS OF THE CHLORDANE APPLICATION AREAS, LANDFILL NO. FIVE AND THE PESTICIDE DISPOSAL AREA.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☑ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: HOWARD McGUIRE ENVIRONMENTAL PLANNING OFFICER | 02 OF (Agency/Organization): AIR FORCE LSG-DEEV (WHITEMAN) | 03 TELEPHONE NUMBER: (816) 687-3006

04 PERSON RESPONSIBLE FOR ASSESSMENT: STEVE A. JOHNSON | 05 AGENCY: MDNR | 06 ORGANIZATION: KCRO | 07 TELEPHONE NUMBER: (816) 274-6675 | 08 DATE: 7/19/84 MONTH DAY YEAR

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☑ C. SLUDGE
- ☐ D. OTHER ________ *(Specify)*
- ☐ E. SLURRY
- ☑ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE *(Measures of waste quantities must be independent)*

TONS ________

CUBIC YARDS ________

NO. OF DRUMS ________

03 WASTE CHARACTERISTICS *(Check all that apply)*

- ☑ A. TOXIC
- ☑ B. CORROSIVE
- ☑ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☑ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☑ G. FLAMMABLE
- ☑ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	50	GAL	OIL SEPERATORS
OLW	OILY WASTE	60-80	CU·YDS·	CONTAMIN·SOIL – BURN AREA; BLDG 7-7
SOL	SOLVENTS	REFER TO WAFB		0-30 BBLS; LF No 5
PSD	PESTICIDES	IRP REPORT MARCH '84		
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	—		
BAS	BASES	—		
MES	HEAVY METALS	$NaCrO_4$	< 3 gal	INCIDENTAL SPILLAGE @ TREATMENT AREA

IV. HAZARDOUS SUBSTANCES *(See Appendix for most frequently cited CAS Numbers)*

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	REFER IRP FINDINGS				

V. FEEDSTOCKS *(See Appendix for CAS Numbers)*

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

USAF; PHASE I INSTALLATION RESTORATION PROGRAM REPORT; MARCH 1984

ENVIR. PLANNING OFFICER; LSG-DEEV Howard McGuire

BASE RECORDS

ON-SITE INSP. 7/19/84

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: 7/19/84 AROUND & 10/10/80) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

SIGNS OF VEGETATIVE STRESS NOTED ALONG EDGES OF DITCH CHANNEL DRAINING FIRE TRAINING AREA; SPORADIC INCIDENTS OF DENUDED SOIL ALONG PERIPHERY OF PESTICIDE RINSE AREA.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

LOW LEVELS OF PESTICIDES; UNCONFIRMED

01 ☑ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: 7/19/84) ☑ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: <5

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: ?) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

POSSIBLE REGISTERED COMPLAINTS OF OIL RESIDUES DOWNSTREAM FROM LONG BRANCH DISCHARGE (UNCONFIRMED)

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: 12/83 4/83) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

- RINSE WATER FROM PESTICIDE RINSE PADS (ROUTINE)
- DISCHARGED EFFLUENT FROM CHLORDANE/DURSBAN APPL. AREAS (SW BASE) - STORM DRAINS

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

NONE OBSERVED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

PESTICIDE EQUIPMENT/CONTAINER RINSE PAD SW OF POL STORAGE AREA AND ASSOCIATED STORAGE FACILITY SUBJECT TO RUN-ON FROM MINIMUM 25 YEAR PRECIP. EVENTS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ______

IV. COMMENTS

SEE REPORT NARRATIVE & RECOMMENDATIONS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

USAF - PHASE I; INSTALLATION RESTORATION PROGRAM REPORT (1984)

ENVIRONMENTAL PLANNING OFFICER - 351ST LSG - DEEV;

EPA NOTIFICATION RECORDS

ON-SITE INSPECTION

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: N/A — 04 NARRATIVE DESCRIPTION

NONE OBSERVED TO DATE

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 12/83) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: < 100 — 04 NARRATIVE DESCRIPTION

SPECIFIC OCCASSION INVOLVED UNPLANNED SUMP & DISCHARGE OF CHLORDANE/DURSBAN PESTICIDES ~~FROM~~ BASE HOUSING AREA TO BREWER CREEK (CLEAR CREEK) DRAINAGE BASIN. ACTIVATED CARBON USED TO ADSORB & CONCENTRATE; SOME PADS STILL IN PLACE.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: ROUTINE) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~~N/A~~ — 04 NARRATIVE DESCRIPTION

EOD (MUNITIONS BURNING) AREA WAS CITED AS POSSIBLE SOURCE OF OCCASIONAL INCIDENTS

N/A

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

N/A

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: 12/83) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <10 ~~0-125~~ — 04 NARRATIVE DESCRIPTION

CHILDREN OF BASE PERSONNEL OBSERVED IN CONTAMINATED CHLORDANE DISCHARGE AREA ON TWO ~~[illegible]~~ OCCASIONS. EXTENT OF EXPOSURE UNKNOWN. DISCHARGE WATER FLOWS TO BREWER CREEK THROUGH HOUSING AREAS OF BASE PERSONNEL.

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: @ 125 (Acres) — 04 NARRATIVE DESCRIPTION

MOSTLY OIL/GREASE/SOLVENT CONTAMINATION OF BURN AREAS AND DRUM STORAGE ALONG PERIMETER OF STORAGE YARD OF BLDG. T-9; POTENTIAL RESIDUE PRESENT IN PESTICIDE APPLICATION AREAS AND DRAINAGE CHANNELS FROM THESE AREAS AND FIRE TRAINING PITS.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ______ — 04 NARRATIVE DESCRIPTION

NONE OBSERVED

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

N/O

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: ______) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

N/O

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 351ST COMBAT SUPPORT GROUP (SAC)
WHITEMAN AIR FORCE BASE, MISSOURI 65305

SAJ

DEPARTMENT OF NATURAL RESOURCES
Div of Environmental Quality
Kansas City Regional Office

APR 2 - 1985

WPCP PDWSP FILE # APCP SWMP H.R. CLER.

EPLY TO
TTN OF: DEEV (Lt Harris, 3006)

1 APR 1985

IBJECT: Fire Training Procedures Missouri Department of Natural Resources Ltr 7 Feb 85

TO: Ms Sandra Carroll
P.O. Box 1368
Jefferson City MO. 65102

1. Attached for your review and comments is a copy of Whiteman's Fire Training Supplement. The Training Supplement implements procedures to ensure that fire training exercises are conducted in an environmentally sound manner (see Atch 1).

2. Until the facilities are built to implement the Fire Training Supplement all Training Exercises have been stopped. The fuel/water separators will be pumped dry and replaced with a retention tank.

3. Attached for review and comments by Mr Ken Purvis is a copy of the Defense Property Disposal Office's updated HWG-1A Forms (see Atch 2).

4. As of this date, Whiteman AFB has been unable to obtain a sample of the residue from the Explosive Ordnance Disposal (EOD) Site. This is due to decreased generation of unexploded ordnance and hence decreased burning at the EOD Site. Whiteman AFB is currently burning only semi-annually. Whiteman does not expect to burn at the site for three to four months from this date. We request your patience in allowing Whiteman in securing a sample.

5. Per our 12 Mar 85 letter, we are continuing to work the remaining suspenses. If you have any additional questions or concerns, feel free to contact Lt William Harris at (816) 687-3006.

Harold R Bailey

HAROLD R. BAILEY, P.E.
Deputy Base Civil Engineer

2 Atch
1. Fire Training Supplement
2. Updated HWG-1A Forms

cc: US EPA Region VII
HQ SAC/DEPVQ

FIRE TRAINING PLAN

1. Purpose:

This plan provides a procedure for conducting Fire Training Exercises in an environmentally sound manner. The plan will be used as a supplement to the Fire Department's current fire training procedures.

2. Overview:

The Fire Department currently is conducting fire training exercises four times a month. The majority of these exercises use pure fuel from the Base Fuels Management Branch. The other fuel comes from organizations on base. The Fire Department uses water and aqueous film-forming foam (AFFF) to extinguish the fires on base.

3. Material Analysis Plan:

a. Strategy: The general strategy for compliance with the material analysis regulations has been developed, using the regulatory requirements of both EPA RCRA regulations (40 CFR 264), and the Missouri Department of Natural Resources Hazardous Waste Management Law (10 CSR 25-4), as strict guidelines.

b. When a source of fuel, other than the Base Fuels Management Branch, becomes available to the Fire Department the following procedures shall be used to ensure that no Hazardous Waste is disposed of in the Fire Training Area.

(1) A semi-annual chemical analysis will be taken on each potentially contaminated fuel source.

(2) Information will be collected from the supplier to identify any contamination in the material.

4. Training Activity Procedures: The following steps shall be taken in this order to ensure that no fuel will enter the environment.

a. The valve to the retention tank will be closed.

b. Apply 1000-1500 gallons of water at the training area to saturate the ground and prevent absorption of fuel into the ground.

c. Apply 300-800 gallons of fuel on top of the water.

d. Light the fuel and conduct the fire training exercise in accordance with AFR 92-1.

e. After completion of exercise the valve to the retention tank shall be opened to allow the fuel/water mixture to drain into the retention tank. The fuel/water mixture will be kept in the retention tank a minimum of 24 hours to allow the separation of the fuel and water. The fuel will be pumped into 55 gal drums for reuse or disposal. The water will be pumped into the environment.

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: July 16, 2001 11:23 AM

User Selection Criteria

Location:	MISSOURI		
Handler Name:		**Handler ID:**	MO8571924549
City:		**County Code:**	
State District:		**Location Zip:**	
Determined Date:	From: 10/1/1980 To: 7/16/2001		
Sort Order:	Region, State, Handler Name		
Display Code Description:	YES		

Results

Data meeting the criteria you selected follows.

Total Pages: 11

Report Description

This report presents available information from the Resource Conservation and Recovery Act Information System (RCRAInfo) about compliance evaluations, violations, and enforcement actions meeting the criteria supplied by the user. Evaluations showing no violations does not always indicate that no violations were determined. Violation without enforcement actions does not always mean no enforcement action will be issued. In order to avoid releasing enforcement sensitive information to the public the following information is not shown on the report: pending violations at a facility are not shown unless the violation has been addressed by either a warning letter or a more formal enforcement action taken by EPA or the State, pending judicial referrals, criminal referrals, and State to EPA referrals.

Report Information

Name:	CMEFOIA.RDF
Developed by:	EPA Headquarters, Office of Enforcement and Compliance Assurance
Deployed:	May 2001
Last Updated:	May 14, 2001
Contact:	rcrainfo.help@epa.gov

Report run on: July 16, 2001 11:23 AM

509 CES CEV **MO8571924549**

Location: 660 10TH ST STE 211
WHITEMAN AFB KNOB NOSTER, MO 65305-5074
County Name / Code: JOHNSON / MO101

Mailing: 660 10TH ST STE 211
WHITEMAN AFB KNOB NOSTER, MO 65305-5074
State District: 01

Universes Subjinsp: ---S- PCWrkld: ClosWrkld: ---S- PermC/PC:---S- PermWrkld: SubjCA: X CAWrkld: X
LQG: X SQG: CESQG: Transporter: SNC: BOYSNC:

GGR Violation Act Loc: MO Class: 1 Priority: Determined: 04/02/1997 Scheduled Compliance: 05/13/1997 Actual RTC: 05/24/1997 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/19/1997	SPL	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/28/1997	120	WRITTEN INFORMAL	State		

GPT Violation Act Loc: MO Class: 1 Priority: Determined: 02/20/1997 Scheduled Compliance: 04/16/1997 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/20/1997	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/17/1997	120	WRITTEN INFORMAL	State		

GGR Violation Act Loc: MO Class: 1 Priority: Determined: 05/05/1995 Scheduled Compliance: 07/03/1995 Actual RTC: 06/29/1995 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	05/05/1995	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	06/16/1995	120	WRITTEN INFORMAL	State		

GOR Violation Act Loc: MO Class: 2 Priority: Determined: 03/02/1994 Scheduled Compliance: 05/22/1994 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/02/1994	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/22/1994	120	WRITTEN INFORMAL	State		

GOR Violation Act Loc: MO Class: 2 Priority: Determined: 03/02/1994 Scheduled Compliance: 05/22/1994 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/02/1994	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/22/1994	120	WRITTEN INFORMAL	State		

GOR Violation Act Loc: MO Class: 2 Priority: Determined: 03/02/1994 Scheduled Compliance: 05/22/1994 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/02/1994	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/22/1994	120	WRITTEN INFORMAL	State		

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

GPT Violation Act Loc: MO Class: 2 Priority: Determined: 03/02/1994 Scheduled Compliance: 05/22/1994 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/02/1994	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/22/1994	120	WRITTEN INFORMAL	State		

GPT Violation Act Loc: MO Class: 2 Priority: Determined: 03/02/1994 Scheduled Compliance: 05/22/1994 Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/02/1994	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	04/22/1994	120	WRITTEN INFORMAL	State		

GPT Violation Act Loc: MO Class: 1 Priority: Determined: 02/08/1993 Scheduled Compliance: 04/02/1993 Actual RTC: 03/29/1993 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/08/1993	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/02/1993	120	WRITTEN INFORMAL	State		

GGR Violation Act Loc: MO Class: 1 Priority: Determined: 02/08/1993 Scheduled Compliance: 04/02/1993 Actual RTC: 03/29/1993 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/08/1993	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/02/1993	120	WRITTEN INFORMAL	State		

GOR Violation Act Loc: MO Class: 2 Priority: Determined: 02/08/1993 Scheduled Compliance: 04/02/1993 Actual RTC: 03/29/1993 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/08/1993	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/02/1993	120	WRITTEN INFORMAL	State		

GOR Violation Act Loc: MO Class: 2 Priority: Determined: 02/08/1993 Scheduled Compliance: 04/02/1993 Actual RTC: 03/29/1993 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/08/1993	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/02/1993	120	WRITTEN INFORMAL	State		

GPT Violation Act Loc: MO Class: 2 Priority: Determined: 02/08/1993 Scheduled Compliance: 04/02/1993 Actual RTC: 03/29/1993 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/08/1993	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/02/1993	120	WRITTEN INFORMAL	State		

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

DGS Violation Act Loc: MO Class: 1 Priority: Determined: 11/13/1991 Scheduled Compliance: 11/29/1991 Actual RTC: 11/29/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	11/13/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	11/14/1991	120	WRITTEN INFORMAL	State		

DGS Violation Act Loc: MO Class: 2 Priority: Determined: 11/13/1991 Scheduled Compliance: 11/29/1991 Actual RTC: 11/29/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	11/13/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	11/14/1991	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 1 Priority: 9 Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	$27,960	$27,960
MO	01/25/1991	120	WRITTEN INFORMAL	State		

DCL Violation Act Loc: MO Class: 2 Priority: Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	Penalty Information Printed above	
MO	01/25/1991	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	Penalty Information Printed above	
MO	01/25/1991	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	Penalty Information Printed above	
MO	01/25/1991	120	WRITTEN INFORMAL	State		

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

GLB Violation Act Loc: MO Class: 2 Priority: Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	Penalty Information Printed above	
MO	01/25/1991	120	WRITTEN INFORMAL	State		

DLB Violation Act Loc: MO Class: 2 Priority: Determined: 01/25/1991 Scheduled Compliance: 02/14/1991 Actual RTC: 02/14/1991 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	01/25/1991	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	05/01/1992	550	CIVIL ACTION FOR MONETARY PEN/	State	Penalty Information Printed above	
MO	01/25/1991	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 03/07/1990 Scheduled Compliance: 04/13/1990 Actual RTC: 05/15/1990 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/07/1990	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/07/1990	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 03/07/1990 Scheduled Compliance: 04/13/1990 Actual RTC: 05/15/1990 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/07/1990	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/07/1990	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 03/07/1990 Scheduled Compliance: 04/13/1990 Actual RTC: 05/15/1990 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/07/1990	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/07/1990	120	WRITTEN INFORMAL	State		

GLB Violation Act Loc: MO Class: 2 Priority: Determined: 03/07/1990 Scheduled Compliance: 04/13/1990 Actual RTC: 05/15/1990 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/07/1990	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/07/1990	120	WRITTEN INFORMAL	State		

DLB Violation Act Loc: MO Class: 2 Priority: Determined: 03/07/1990 Scheduled Compliance: 04/13/1990 Actual RTC: 05/15/1990 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/07/1990	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/07/1990	120	WRITTEN INFORMAL	State		

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 02/09/1989 Scheduled Compliance: 07/31/1989 Actual RTC: 12/19/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/09/1989	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	07/06/1989	120	WRITTEN INFORMAL	State		
MO	02/09/1989	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 02/09/1989 Scheduled Compliance: 07/31/1989 Actual RTC: 12/19/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/09/1989	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	07/06/1989	120	WRITTEN INFORMAL	State		

GLB Violation Act Loc: MO Class: 2 Priority: Determined: 02/09/1989 Scheduled Compliance: 07/31/1989 Actual RTC: 12/19/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/09/1989	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	07/06/1989	120	WRITTEN INFORMAL	State		
MO	02/09/1989	120	WRITTEN INFORMAL	State		

DLB Violation Act Loc: MO Class: 2 Priority: Determined: 02/09/1989 Scheduled Compliance: 07/31/1989 Actual RTC: 12/19/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/09/1989	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	07/06/1989	120	WRITTEN INFORMAL	State		
MO	02/09/1989	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 03/01/1988 Scheduled Compliance: 03/11/1988 Actual RTC: 02/24/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/01/1988	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/01/1988	120	WRITTEN INFORMAL	EPA		

GLB Violation Act Loc: MO Class: 2 Priority: Determined: 03/01/1988 Scheduled Compliance: 03/11/1988 Actual RTC: 02/24/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/01/1988	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/01/1988	120	WRITTEN INFORMAL	EPA		

* Note: Penalty amount may not reflect all violations cited.

Report run on: July 16, 2001 11:23 AM

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

DLB Violation Act Loc: MO Class: 2 Priority: Determined: 03/01/1988 Scheduled Compliance: 03/11/1988 Actual RTC: 02/24/1989 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/01/1988	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/01/1988	120	WRITTEN INFORMAL	EPA		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 02/02/1987 Scheduled Compliance: 02/17/1987 Actual RTC: 02/13/1987 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/02/1987	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	02/02/1987	120	WRITTEN INFORMAL	EPA		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 02/02/1987 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	02/02/1987	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	02/02/1987	120	WRITTEN INFORMAL	EPA		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 03/13/1986 Scheduled Compliance: 03/28/1986 Actual RTC: 03/22/1986 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	03/13/1986	CEI	EPA

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	03/13/1986	120	WRITTEN INFORMAL	EPA		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 10/29/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/29/1984	CEI	State

Act Loc	Enforcement Date	Type	Agency	Penalty Proposed *	Settled *
No Enforcements					

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 10/29/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/29/1984	CEI	State

Act Loc	Enforcement Date	Type	Agency	Penalty Proposed *	Settled *
No Enforcements					

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 10/29/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/29/1984	CEI	State

Act Loc	Enforcement Date	Type	Agency	Penalty Proposed *	Settled *
No Enforcements					

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 10/29/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/29/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
No Enforcements						

DCL Violation Act Loc: MO Class: 1 Priority: Determined: 10/10/1984 Scheduled Compliance: 03/27/1985 Actual RTC: 02/27/1985 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/10/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	02/07/1985	120	WRITTEN INFORMAL	State		
MO	01/24/1985	210	INITIAL 3008(A) COMPLIANCE ORDE	EPA		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 10/10/1984 Scheduled Compliance: 03/27/1985 Actual RTC: 02/27/1985 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/10/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	02/07/1985	120	WRITTEN INFORMAL	State		
MO	01/24/1985	210	INITIAL 3008(A) COMPLIANCE ORDE	EPA		

DOT Violation Act Loc: MO Class: 1 Priority: Determined: 10/10/1984 Scheduled Compliance: 06/01/1985 Actual RTC: 05/23/1985 Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/10/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
MO	02/07/1985	120	WRITTEN INFORMAL	State		
MO	02/04/1985	120	WRITTEN INFORMAL	State		
MO	01/24/1985	210	INITIAL 3008(A) COMPLIANCE ORDE	EPA		
MO	10/29/1984	120	WRITTEN INFORMAL	State		

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 10/10/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/10/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
No Enforcements						

DOT Violation Act Loc: MO Class: 2 Priority: Determined: 10/10/1984 Scheduled Compliance: Actual RTC: Type: Reg:

Act Loc	Evaluation Date	Type	Agency
MO	10/10/1984	CEI	State

Act Loc	Enforcement Date	Type		Agency	Penalty Proposed *	Settled *
No Enforcements						

* Note: Penalty amount may not reflect all violations cited.

509 CES CEV, MO8571924549, WHITEMAN AFB KNOB NOSTER, continue

Evaluations Detecting No Violations:

Act. Loc	Evaluation Date	Type	Agency
MO	03/16/1999	CEI	State
MO	05/12/1998	CEI	State
MO	11/14/1991	CEI	X-EPA
MO	04/15/1991	CSE	State
MO	01/25/1991	CEI	X-EPA
MO	03/07/1990	CEI	X-EPA
MO	12/19/1989	CSE	State
MO	02/09/1989	CEI	X-EPA
MO	03/01/1988	CEI	State

Total Number of Handlers: 1

*** End of Report ***

* Note: Penalty amount may not reflect all violations cited.

Description of codes used on the report:

Universes	Description Of Universes
Subjinjsp	Indicates that the facility is a treatment, storage or land disposal facility subject to any type of enforcement. Then specifies type facility (see LIBST below for further explanation).
PCWrkld	Indicates that the facility is a treatment, storage or land disposal facility which is part of the Post-Closure Workload universe. It is then specifies type of facility (see LIBST below for further explanation).
ClosWrkld	Indicates that the facility is a treatment, storage or land disposal facility which is part of the closure Workload universe. It is then specifies type of facility (see LIBST below for further explanation).
Perm/PC	Indicates that the facility is a treatment, storage or land disposal facility which is part of the Permitting/Closure/Post-Closure Progress universe. It is then specifies type of facility (see LIBST below for further explanation).
PermWrkld	Indicates that the facility is a treatment, storage or land disposal facility which is part of the Permit Workload universe. It is then specifies type of facility (see LIBST below for further explanation).
SubjCA	Indicates that the facility is subject to Corrective Action. ('X' indicates that the facility is in this universe).
CAWrkld	Indicates that the facility is part of the Corrective Action Workload universe. ('X' indicates that the facility is in this universe).
LQG	Indicates that the facility is a Large Quantity Generator. ('X' indicates that the facility is in this universe).
SQG	Indicates that the facility is a Small Quantity Generator. ('X' indicates that the facility is in this universe).
CESQG	Indicates that the facility is a Conditionally Exempt Small Quantity Generator. ('X' indicates that the facility is in this universe). Note: CESQGs are not nationally required to notify or obtain an EPA ID. Therfore, the absence of CESQG data for any given state or facility does not indicate a date quality problem.
Transporter	Indicates that the facility transports waste subject to RCRA regulations. ('X' indicates that the facility is in this universe).
SNC	Indicates that the facility is a Significant Non-Complier. ('X' indicates that the facility is in this universe).
BOYSNC	Indicates that the facility was a Significant Non-Complier at the beginning of the fiscal year: Oct 1- Sep 30. ('X' indicates that the facility is in this universe).

LIBST in the above universes indicates:

L	Land Disposal facility
I	Facility is an Incinerator
B	Facility is a Boiler or Industrial Furnace (BIF)
S	Storage facility
T	Treatment facility

Description of codes used on the report:

Coverage Area/Violation Type	Description
DCL	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
DGS	TSD-GENERAL STANDARDS
DLB	TSD-LAND BAN REQUIREMENTS
DOT	TSD-OTHER REQUIREMENTS (OVERSIGHT)
GGR	GENERATOR-GENERAL REQUIREMENTS
GLB	GENERATOR-LAND BAN REQUIREMENTS
GOR	GENERATOR-OTHER REQUIREMENTS
GPT	GENERATOR-PRE-TRANSPORT REQUIREMENTS

REG
Citation from the Federal or State regulations or statutes that specifies a violation or pending violation. These regulation numbers or citations can be found in the Code of Federal Regulations or in state regulation publications.

ACT LOC
Act Loc indicates the activity location where the evaluation/inspection was performed, the violation was discovered or the enforcement action was taken.

Evaluation Type	Type Description
CEI	COMPLIANCE EVALUATION INSPECTION ON-SITE
CSE	COMPLIANCE SCHEDULE EVALUATION
SPL	SAMPLING INSPECTION

Agency indicates the agency performing the evaluation or the enforcement action:	
X-EPA	EPA region performed the evaluation or enforcement action as part of their oversight function.
C-EPA	Contractor working for EPA conducted the evaluation.
C-State	Contractor working for State conducted the evaluation.
EPA	EPA performed the evaluation or enforcement action.
State	State performed the evaluation or enforcement action.

Enforcement Type	Enforcement Description
120	WRITTEN INFORMAL
210	INITIAL 3008(A) COMPLIANCE ORDER
550	CIVIL ACTION FOR MONETARY PENALTIES

FOIA Report of Non-Sensitive Compliance Monitoring and Enforcement Data

Report run on: July 16, 2001 11:25 AM

User Selection Criteria

Location:	MISSOURI		
Handler Name:		**Handler ID:**	MOD985803915
City:		**County Code:**	
State District:		**Location Zip:**	
Determined Date:	From: 10/1/1980 To: 7/16/2001		
Sort Order:	Region, State, Handler Name		
Display Code Description:	YES		

Results

No data found for the selection criteria you have chosen.

Total Pages: 3

Report Description

This report presents available information from the Resource Conservation and Recovery Act Information System (RCRAInfo) about compliance evaluations, violations, and enforcement actions meeting the criteria supplied by the user. Evaluations showing no violations does not always indicate that no violations were determined. Violation without enforcement actions does not always mean no enforcement action will be issued. In order to avoid releasing enforcement sensitive information to the public the following information is not shown on the report: pending violations at a facility are not shown unless the violation has been addressed by either a warning letter or a more formal enforcement action taken by EPA or the State, pending judicial referrals, criminal referrals, and State to EPA referrals.

Report Information

Name:	CMEFOIA.RDF
Developed by:	EPA Headquarters, Office of Enforcement and Compliance Assurance
Deployed:	May 2001
Last Updated:	May 14, 2001
Contact:	rcrainfo.help@epa.gov

Total Number of Handlers: 0

*** End of Report ***

* Note: Penalty amount may not reflect all violations cited.

FOIA #01-00604

RCRARep Handler List - 3 liner

Report run on: July 13, 2001 2:45 PM

ID/Location	Name/Address	Contact Information	Receipt Date	Regulated Activities	
MOD985803915	**HARDAWAY CO**	**HARRY GUSTAFSON**	**10/07/91-Not**	**SG**	
MO	TAXIWAY 16	PO BOX 5084 (301)551-9300			
	WHITEMAN AFB KNOB NOSTER, MO 65305	WHITEMAN AFB KNOB NOSTER, MO 65305			
MO8571924549	**509 CES CEV**	**JAMES D BROCKMEIER**	**01/05/96-Not**	**LG**	---S-
MO	660 10TH ST STE 211	660 10TH ST STE 211 (816)687-6266			
	WHITEMAN AFB KNOB NOSTER, MO 65305-	WHITEMAN AFB KNOB NOSTER, MO 65305-5074	11/30/80-PtA		

EPA Region VII
07/17/2001
Page # 1

Emergency Response and Removal Branch
Incident Notification Report

Case / NRC Number / Report Date	PRP / Location of Release / City, State Zip code (County)	Material 1 / Material 2	Quantity 1 / Quantity 2	Unit / Unit	Source of Release / Cause of Release / Waterway Affected
02085MAC1200	WHITEMAN AIRFORCE BASE	DIETHYLENE GLYCOL	49.00	P	F
279102	509 CES/CEV 930 ARNOLD AVE SUITE 101		0.00		F
02/08/1995	WHITEMAN AFB, MO 65305 JOHNSON				

Nature of Incident: AAAF SYSTEM RELEASE / FROZEN PIPE.

Response Action: SYSTEM ABBORTED; MATERIAL WAS FLUSHED INTO INDUSTRIAL WASTE DRAIN.

11095MAC1915	US AIR FORCE	JET FUEL (J+8)	15.00	G	F
			0.00		F
11/09/1995	WHITEMAN AFB, MO 65305- JOHNSON				

Nature of Incident: AIRCRAFT / A/C CRASHED.

Response Action: PLACED ABSORBENT BOOMS AROUND AIRCRAFT--NO RUNOFF INTO SURFACE WATER.

09206BJB1635	US AIR FORCE	OIL: DIESEL	1200.00	G	F
361806	WHITEMAN AFB/MINUTEMAN TWO LAUNCH CONTROL FACILITY		0.00		F
09/20/1996	WHITEMAN AFB, MO 65305 CEDAR				N/A

Nature of Incident: UST LINE BROKE WHILE EMPTYING TANK.

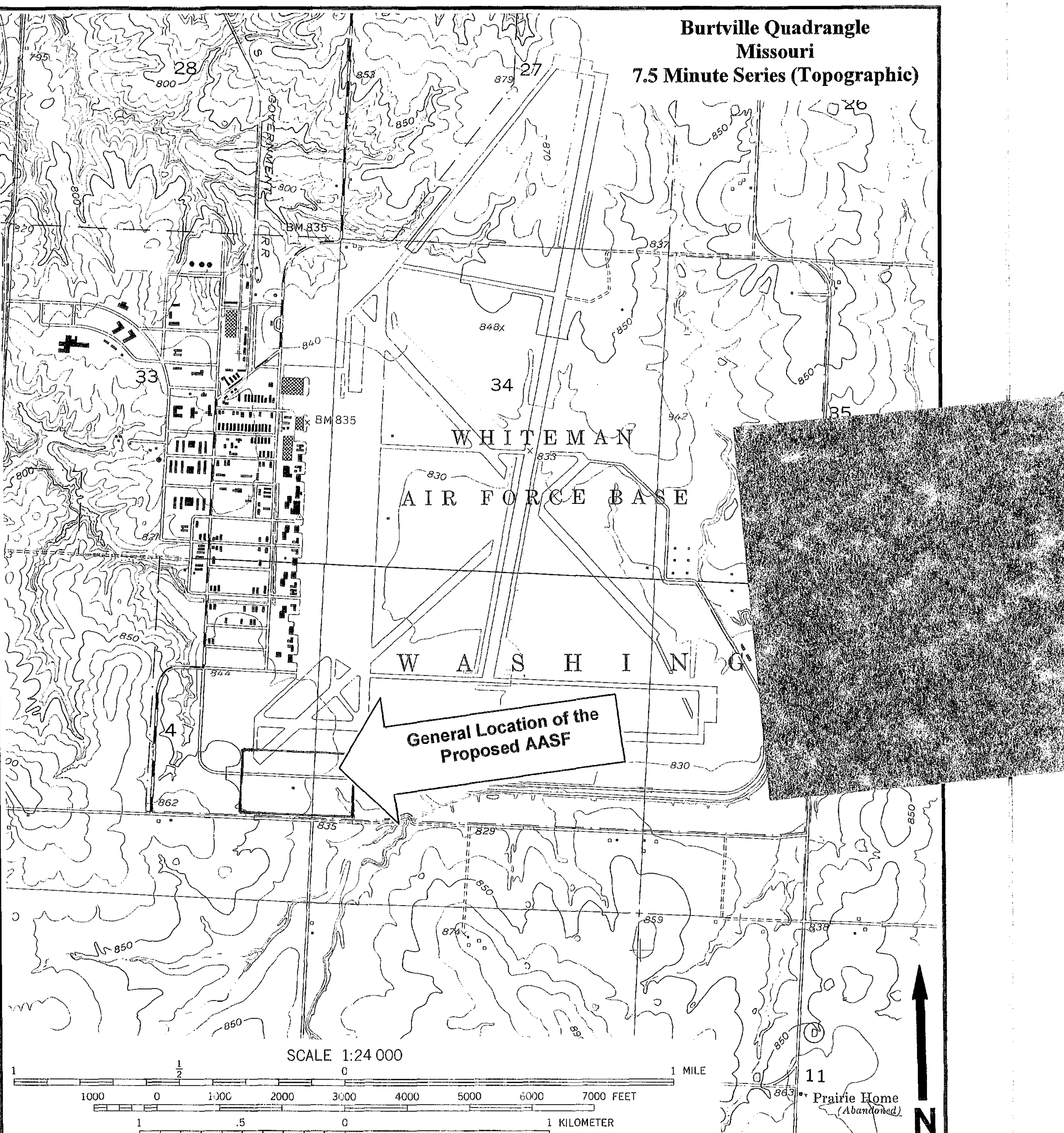
Response Action: CONTAINING SPILLED MATERIAL WITH TRENCHES/GROUNDWATER MONITORING WELLS WERE ALREADY IN PLACE/INSTALLED A NEW LINE TO EMPTY TANK.

04238JFK1012	WHITEMAN AIRFORCE BASE	JET FUEL: JP-8	500.00	G	F
433724	WHITEMAN AIRFORCE BASE BUILDING 1125 1STE 211		0.00		F
04/23/1998	WHITEMAN A.F., MO 65305 JOHNSON				STORM DRAIN>BREWER

Nature of Incident: HOLDING TANK OF OI-WATER SEPARATOR.

Response Action: FLOW STOPPED PRIOR TO LEAVING BASE/ SET UP DAM TO RECOVER FUEL/ BOOMS PLACED IN STREAM/ PUMPING OFF FUEL

PROJ.# 17102205	PAGE#	BE&K/TerraNext	FIGURE A STATE LOCATION MAP
SCALE: AS SHOWN	DRAWN BY: KMT		
FILE NO. 2205F1	DESIGNED BY:		ARMY AVIATION SUPPORT FACILITY WHITEMAN AIR FORCE BASE, MISSOURI
DATE: 05/04/01	APPROVED BY:		



PROJ.# 17102205	PAGE#	BE&K/TerraNext	FIGURE B TOPOGRAPHIC MAP
SCALE: AS SHOWN	DRAWN BY: KMT		
FILE NO. 2205F2	DESIGNED BY:		ARMY AVIATION SUPPORT FACILITY WHITEMAN AIR FORCE BASE, MISSOURI
DATE: 07/13/01	APPROVED BY:		

Figure E – Historic Expansion of Significant Structures

One structure is located at the site; however, records of historic expansion of this building were not identified; therefore, this map is not applicable.

Figure F – Location of Surface Water Drainage Divides

A surface water drainage divide could not be identified at the site; therefore, this map is not applicable.

Figure G – Hazardous Substances and Petroleum Storage

Refer to Figure D for the locations of hazardous storage and petroleum storage.

Figure H – Current and Former Tank Locations

Refer to Figure D for the locations of current and former tanks.

Figure I – Septic System, Oil/Water Separators

According to historical research and interviews conducted with knowledgeable officials, an oil/water separator is not located at the site; however, Whiteman AFB does have a septic system and a wastewater treatment plant. Neither the wastewater treatment plant nor the entire Whiteman AFB septic system is located at the site; therefore, this figure is not applicable.

Figure J – Figure Showing Contaminated and Uncontaminated Properties

Refer to Figure D for the locations of contaminated and uncontaminated properties.

Table A – Points-of-Contact

Proposed Army Aviation Support Facility (AASF)
Whiteman Air Force Base, Missouri

Name of Contact	*Agency*	*Address or Phone Number*
Ross Reed	MOARNG Environmental Office	573-638-9802
Marvin Eaves	Whiteman AFB Environmental Coordinator	660-687-6263
Jim Thaxtor	MDNR Project Manager	573-751-6796

Table B – Source of Table

Historical research and the visual reconnaissance have not identified sources of contamination on the site; therefore, this table is not applicable.

Table C – Pathway Table

Pathways for migration cannot be determined until a contaminant is identified. As specific contaminants were not identified during the visual reconnaissance, this table is not applicable.

Table D – Receptor Table

This table is not applicable. As specific contaminants were not identified during the visual reconnaissance, receptors for contamination migration cannot be determined.

Table E – Recommended Analyses for any Eventual Monitoring

This table is not applicable. As specific areas of contamination on the site were not identified during the visual reconnaissance, eventual monitoring for contamination can not be recommended.

Table F – On-Base Operational Buildings and Structures

This table is not necessary as numerous operational buildings are structures are located throughout Whiteman AFB; however only one well house is located on the property.

Table G – On-Base Housing Facilities

Numerous housing facilities are located throughout Whiteman AFB; however, housing facilities are not located at the site; therefore, this table is not applicable.

Table H – On-Base Recreational Buildings and Structures

Numerous recreational buildings and structures are located throughout Whiteman AFB; however, none are located at the site. Therefore, this table is not applicable.

Table I – UST Summary

A UST summary table for Whiteman AFB is included in Appendix D.

Table J – ACM Suspected Areas

ACM suspected areas were not identified at the site during the completion of this EBS; therefore, this table is not applicable.

Whiteman Air Force Base
Environmental Restoration Program

Final Record of Decision

for

Southwest Ramp Expansion Area
Sites FT-02, LF-11, LF-12, and SS-44

USAF Contract No. F41624-03-D-8595
Project No. YWHG2005-7020/7020A
Task Order 0220

Prepared for

Whiteman Air Force Base

Missouri

CH2MHILL

April 2005

Environmental Restoration Program
Remedial Investigation
for
Whiteman Air Force Base

Record of Decision
Sites FT-02, LF-11, LF-12, and SS-44

April 2005

Prepared for

509 CES/CEVR, Whiteman Air Force Base, Missouri
and
HQ ACC/CEVR, Langley Air Force Base, Virginia

Prepared by

CH2MHILL

727 North First Street, Suite 400
St. Louis, Missouri 63102

USAF Contract No. F41624-03-D-8595
Project No. YWHG2005-7020/7020A
Task Order 0220

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Acronyms and Abbreviations

AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
ARARs	Applicable or Relevant and Appropriate Requirements
BEHP	bis(2-ethylhexyl)phthalate
CALM	Cleanup Levels for Missouri
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	chemical of concern
COPC	chemical of potential concern
1,2-DCA	1,2-dichloroethane
1,2-DCE	1,2-dichloroethene
DPT	direct-push technology
ERP	Environmental Restoration Program
FPTA	Fire Protection Training Area
FS	Feasibility Study
ft/yr	feet per year
HHRA	Human Health Risk Assessment
HQ ACC/CEVR	Headquarters Air Combat Command, Environmental Restoration Office
IC	Institutional Control
LTM	long-term monitoring
μg/L	micrograms per liter
MCL	maximum contaminant level
MDNR	Missouri Department of Natural Resources
NCP	National Contingency Plan
O&M	operations and maintenance
RAB	Restoration Advisory Board
RAGS	Risk Assessment Guidance for Superfund
RAO	Remedial Action Objective
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
ROD	Record of Decision
SREA	Southwest Ramp Expansion Area
SVOC	semivolatile organic compound
TCE	trichloroethene
TPH	total petroleum hydrocarbon
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1. Declaration Summary

1.1 Site Name and Location

Whiteman Air Force Base (AFB) is located in Knob Noster, Johnson County, Missouri. The sites of this Record of Decision (ROD) overlap or are adjacent to an area referred to as the Southwest Ramp Expansion Area (SREA) and include the following sites:

- Site FT-02 (Fire Protection Training Area or FPTA)
- Site LF-11 (Landfill No. 2)
- Site LF-12 (Landfill No. 3)
- Site SS-44 (Trichloroethene [TCE] Spill Site)

1.2 Statement of Basis and Purpose

This ROD presents the selected remedies for the above four (4) Environmental Restoration Program (ERP) sites. The shallow groundwater at Sites FT-02 and LF-12 is contaminated with benzene at levels above the 5 micrograms/liter (μg/L) cleanup goal. The shallow groundwater at SS-44 is contaminated with trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE) at levels above the selected cleanup goals of 5 and 70 μg/L, respectively. Based on the remedial investigation and site-specific human health risk assessments these VOCs do not pose unacceptable human health risks for current and future industrial land use. Institutional control (IC) elements as described in Section 1.4 will be implemented to ensure that the site use remains industrial. No risk was identified for soils at the sites.

Although no unacceptable risks were identified at Site LF-11, the United States Air Force (Air Force) and the Missouri Department of Natural Resources (MDNR) believe that the presence of landfill waste in two trenches at Site LF-11 warrants the implementation of ICs in order to document the location of the waste material for future reference. Re-contouring of the existing landfill waste trench covers is also part of the remedy as described in Section 1.4.

The selected remedies were chosen in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). This decision is based on the Administrative Record files for the sites in question and complies with 40 Code of Federal Regulations (CFR), Part 300. The remedies were selected in consultation with the MDNR Department of Defense Unit; the United States Environmental Protection Agency (USEPA) Region VII has declined to actively participate.

The purpose of this ROD is to set forth the selected actions to remediate or mitigate the potential risks to human health and the environment posed by residually contaminated shallow groundwater at Sites FT-02, LF-12, and SS-44, and the presence of landfill waste trenches at Site LF-11.

1.3 Assessment of the Site

A Remedial Investigation (RI) was performed at each of the four (4) sites to determine the nature and extent of contamination (CH2M HILL 2003, 2004b). Detailed descriptions of the nature and extent of contamination at each of the sites are provided in Section 2.5.5. The results of the site-specific risk assessments conducted as part of the RI concluded that no unacceptable risks to human health or the environment exist from groundwater for the current and anticipated long-term restricted (industrial) land use for Sites FT-02, LF-12, and SS-44. Results from the RI risk assessments also concluded that no unacceptable risk to human health or the environment exist from surface and sub-surface soil for an unrestricted land use scenario at Sites FT-02, LF-12, and SS-44.

At Site LF-11, no unacceptable risks were identified under the current industrial land use scenario or the potential future unrestricted land use scenario for soil or groundwater. However, the Air Force and MDNR believe that the presence of landfill waste trenches warrants the implementation of ICs to document the location of the waste material for future reference. Since Site LF-11 poses no risk, a Feasibility Study (FS) was not required to screen potential remedial alternatives.

A FS was conducted for Sites FT-02, LF-12, and SS-44 to identify an appropriate remedial action to ensure that industrial land use is maintained. The FS recommended that institutional controls (ICs), supported by groundwater monitoring, be implemented to address risks associated with residual groundwater contamination. The ICs will prevent extraction and use of groundwater at the three (3) sites except for the incidental removal of groundwater during construction or routine base activities. Groundwater removed will be handled and disposed of in accordance with appropriate regulations.

The groundwater monitoring program will track changes in contaminant concentrations, allowing timely responses to changing site conditions. The groundwater monitoring program will continue to be implemented until benzene, TCE, and cis-1,2-DCE have decreased to levels below the remediation goals, or it is determined by all parties during the 5 year review that the concentrations have stabilized sufficiently that human health and the environment are protected and further monitoring is no longer needed.

The response actions selected in this ROD for Sites FT-02, LF-11, LF-12, and SS-44 are necessary to protect human health and the environment from contaminated groundwater and buried waste. The goal of these response actions is to ensure residual contaminant levels that are protective of an industrial land use that is expected to continue at the base for the foreseeable future.

1.4 Description of Selected Remedy

This ROD identifies the final actions for soil, groundwater, and waste material at Sites FT-02, LF-11, LF-12, and SS-44. The selected final remedies are described briefly below, with additional details presented in Section 2.

1.4.1 Sites FT-02, LF-12, and SS-44

The medium of concern at Sites FT-02, LF-12, and SS-44 is groundwater. The Selected Remedy for these sites is ICs supported by groundwater monitoring. The IC remedy is considered reasonable and feasible because no ongoing sources or releases of hazardous substances exist at the sites. The remedy protects human health and the environment by preventing extraction and use of groundwater at Sites FT-02, LF-12, and SS-44 except for the incidental removal of groundwater during construction or routine base activities. Groundwater removed will be handled and disposed of in accordance with appropriate regulations.

The selected remedy for each site was presented in the Proposed Plan for Sites FT-02, LF-11, LF-12, and SS-44 (CH2M HILL 2004a). The Proposed Plan was distributed to the community and a public availability session was held on May 5, 2004. The session was held to give citizens the opportunity to comment on the Proposed Plan. The Proposed Plan did not receive comments from the community.

The IC will be documented in the Base General Plan and will consist of the following:

- Groundwater shall not be extracted from within the IC boundary for use except for the incidental removal of groundwater during construction or routine base activities. Groundwater removed will be handled and disposed of in accordance with appropriate regulations.
- The area within the IC boundary shall not be used for residential purposes.
- Prior to performing construction activities at the sites, a waiver shall be obtained through the ERP Manager from Headquarters Air Combat Command, Environmental Restoration Office (HQ ACC/CEVR).
- Prior to installing utilities or other soil disturbance of any kind, the activity proponent shall obtain an Air Force Form 103, Digging Permit, from Civil Engineering or other appropriate office.

ICs shall not be modified, deleted, or terminated and land use inconsistent with the IC objectives, including land use that would change the underlying risk assessment exposure assumptions shall not be approved without obtaining regulatory concurrence.

These restrictions will be incorporated into real property documents necessary for transferring ownership from the United States, in the unlikely event that the United States sells or transfers the property. The real property document would include a discussion of the groundwater contamination.

The Air Force will produce a survey prepared by a professional land surveyor registered with the State of Missouri and submit to MDNR after approval of this ROD. The survey will contain the IC boundaries and conditions of the use restrictions, as described below.

The single IC boundary for Sites FT-02, LF-12, and SS-44 will encompass those portions of the three (3) sites where chemical concentrations in groundwater exceeded applicable remediation goals that are equivalent to MCLs. At Sites FT-02 and LF-12, the IC boundaries will be located a minimum of 80 feet downgradient of the locations where chemical concentrations exceeded remediation goals and 300 feet downgradient of similar contaminated locations at Site SS-44. The downgradient IC boundary position will provide a physical buffer for a minimum of 10 years before contaminated groundwater could potentially reach the IC boundary based on groundwater flow rates. These distances are based upon average groundwater flow rates, as presented in Section 2.5.2. This conservative estimate of the buffer does not consider retardation factors for contaminant migration (i.e., the contaminants will move slower than the groundwater due to adsorption) nor does it include effects of dispersion and degradation.

A groundwater monitoring program, to be documented in a Long-term Monitoring Plan developed in consultation with the MDNR, shall be implemented by the Air Force to support the ICs and allow systematic, periodic evaluation of site groundwater quality to help ensure that the established IC boundaries fully encompass the contaminant plumes and remain protective of human health and the environment. The monitoring program will also be used to evaluate trends in plume concentrations and the need for continued monitoring and ICs. The Air Force will conduct an annual inspection for the sites and submit a copy of the report generated annually to MDNR. Annual reporting requirements shall be the responsibility of the ERP Manager from HQ ACC/CEVR. The IC elements, as presented in Section 1.4.1, will be monitored by the Air Force to ensure necessary compliance and continued protection of human health and the environment.

In addition to monitoring, Five-Year Reviews of each site will be conducted in accordance with Section 121c of CERCLA. As part of the Five-Year Review, a five-year summary report will be produced that will compile the information contained in the annual groundwater monitoring reports or other reports generated for the sites, as appropriate. The ICs will be removed, with MDNR approval, if the concentrations of contaminants in groundwater are below the remediation goals for three (3) consecutive sampling events occurring at least three (3) months apart but no longer than two (2) years apart.

1.4.2 Site LF-11

The medium of concern at Site LF-11 is the landfill material buried within two (2) waste trenches. Implementation of ICs and recontouring of the existing landfill cover will be performed to address the potential of human exposure to landfill waste in trenches present at Site LF-11. Although not required, the Proposed Plan, as described in Section 1.4.1, also presented the remedy at Site LF-11 to the public.

Response actions included as part of the remedy at Site LF-11 include:

- Demonstration that the existing soil cover satisfies minimum protective cover thickness of 12-inches. Additional soil will be imported if necessary.
- Contouring of soil cover to promote positive surface water runoff and drainage and prevent ponding of water.
- Revegetation of final contoured surface.
- Identification and documentation of the waste trenches in the Base General Plan. The Air Force will produce a survey prepared by a professional land surveyor registered with the State of Missouri and submit to MDNR after approval of this ROD. The survey will contain the IC boundaries surrounding the waste trenches and conditions of the use restrictions, as described below.
- Prior to performing construction activities at the site, a waiver shall be obtained through the ERP Manager from Headquarters Air Combat Command, Environmental Restoration Office (HQ ACC/CEVR).
- Prior to installing utilities or other soil disturbance of any kind, the activity proponent shall obtain an Air Force Form 103, Digging Permit, from Civil Engineering or other appropriate office.
- Repair of damage to the protective soil cover resulting from land surface or subsurface activity. Repairs will be adequate to ensure the integrity of the protective soil cover and will be conducted immediately (within 30 days) following completion of the activities. Waste removed will be handled and disposed of in accordance with appropriate regulations.

ICs shall not be modified, deleted, or terminated and land use inconsistent with the IC objectives, shall not be approved without consulting with the MDNR.

The duration of ICs for Site LF-11,pertinent to potential exposure to wastes, will be unlimited as long as waste is present at the Site. In the event that the waste inhibits future base construction activities, the Air Force may remove the waste in consultation with MDNR.

1.5 Statutory Determinations

The selected remedies in this ROD are protective of human health and the environment, comply with Federal and State requirements that are applicable or relevant and appropriate to the remedial action, are cost-effective, and use permanent solutions and alternative treatment technologies to the maximum extent practical.

Because the selected remedy for Sites FT-02, LF-12, and SS-44 will result in contaminants remaining onsite at concentrations above levels that will allow for unlimited use and unrestricted exposures, a statutory review will be conducted within five (5) years after initiation of remedial action. The review will continue at a minimum frequency of once every five (5) years thereafter to ensure that the ICs (and the land use assumptions that the ICs are based on) are, and will remain, protective of human health and the environment by the remedial action being implemented.

1.6 ROD Data Certification Checklist

The following information is included in the Decision Summary section of this ROD. Additional information can be found in the Administrative Record for Whiteman AFB.

- Chemicals of concern (COCs) and their respective concentrations (Section 2.5)
- Baseline risk represented by the COCs (Section 2.7 and Section 2.8)
- Cleanup levels for COCs and the basis for these levels (Section 2.10)
- How source materials constituting principal threats are addressed (Section 2.13)
- Current and reasonably anticipated future land use assumptions, and current and potential future beneficial uses of groundwater, used in the baseline risk assessment and ROD (Section 2.6)
- Potential land and groundwater uses resulting from the selected remedy (Section 2.6)
- Estimated capital, annual operations and maintenance (O&M), and total present worth costs; discount rate; and the number of years over which the remedy cost estimates are projected (Section 2.11)
- Key factors that led to remedy selection (Section 2.12)

1.7 Authorizing Signatures

Robert Geller

ROBERT GELLER
Interim Director, Hazardous Waste Program
Missouri Department of Natural Resources

July 25, 2005
Date

Patrick A. Burns

PATRICK A. BURNS
Brigadier General, USAF
The Civil Engineer, Air Combat Command

10 May 05
Date

2. Decision Summary

This decision summary describes Sites FT-02, LF-11, LF-12, and SS-44 at Whiteman AFB. It also summarizes legal and public involvement issues, estimated site risks, remedial alternatives, the rationale for remedy selection, and how the selected remedy satisfies statutory and regulatory requirements.

2.1 Site Name, Location, and Description

Whiteman AFB is located in west central Missouri, in Johnson County, approximately two (2) miles south of Knob Noster (Figure 2-1). The base is approximately nine (9) miles east of Warrensburg, twenty-two (22) miles west of Sedalia, and seventy (70) miles southeast of Kansas City. Whiteman AFB is considering expanding the southern end of the flight line facilities, east of Arnold Avenue and north of Perimeter Road. The area to be expanded is known as the SREA (Figure 2-2). This portion of the base is relatively flat and located in an industrial area. A Missouri National Guard facility is proposed to be constructed at the SREA. The current and expected future land use of the SREA is industrial.

The following four (4) existing ERP sites included in this decision are described below and depicted in Figure 2-3:

Site FT-02, Fire Protection Training Area**—**Site FT-02 is located adjacent to an abandoned taxiway north of Perimeter Road and south of the operations end of the flight line. The site is flat and covered by grassy vegetation. Portions of Site FT-02 are located beneath the former taxiway.

Site LF-11, Landfill No. 2**—**Site LF-11 is located approximately 800 feet east of the intersection of Arnold Avenue and Perimeter Road and south of Perimeter Road. A vacant gravel parking area located on the northern part of the site was the former location of contractor project trailers. The remainder of the site is undeveloped and is overgrown by vegetation. A small drainage ditch conveys water from the north central part of the site along Perimeter Road to a culvert under the base perimeter fence, located in the southeast corner of the site, where it discharges to a surface drainage ditch.

Site LF-12, Landfill No. 3**—**Site LF-12 is located approximately 500 feet east of the intersection of Arnold Avenue and Perimeter Road, north of Perimeter Road and south of Site FT-02. The site is relatively flat and covered by grassy vegetation. A small drainage ditch runs along the eastern and southern boundaries of the site. A gravel road runs north of Perimeter Road and east of the site.

Site SS-44, TCE Spill Site**—**Site SS-44 is located north of Perimeter Road and south of the operations end of the flight line. Site SS-44 formerly was part of Site FT-02. It officially became an ERP site in June 2001 when TCE was detected in samples collected from accumulated groundwater in a burn pit excavation near the old runway/taxiway northeast of Site FT-02. Site SS-44 is flat lying and located around and under the old runway/taxiway and northeast of Site FT-02. The site is relatively flat and covered by dilapidated airfield pavement and grassy vegetation.

2.2 Site History and Enforcement Activities

Details regarding site histories and characterization and feasibility studies conducted at Sites FT-02, LF-12, and SS-44 are presented in the following sections. The Air Force and MDNR believe that the presence of landfill waste trenches at Site LF-11 warrants the implementation of ICs as a remedy. Since risk associated with Site LF-11 are acceptable under an unrestricted use scenario, a FS was not conducted for Site LF-11.

2.2.1 Site FT-02

Site FT-02 is a former FPTA that consisted of two former burn pits, two aboveground storage tanks used for fuel storage, a waste oil underground storage tank, two small unlined ponds, and an unlined pond with an associated oil/water separator used for fire training activities (Montgomery Watson 2001). In addition, Building 99, located northwest of the burn pits, was used for fire protection training exercises for non-aircraft situations. Operations began at the Site FT-02 related to the use of Burn Pit 1 in the mid-1960s. Burn Pit 2 was constructed after 1988 and fire training exercises ceased in 1992.

Sampling events at Site FT-02 identified lead, phenol, 1,1,1-trichloroethane, 1,2-dichloroethane (1,2-DCA), benzene, chloroform, total petroleum hydrocarbons (TPH), toluene, and xylene in soil (Engineering Science 1984, Ecology and Environment 1988, Black & Veatch 1991, Halliburton 1997). Chloroform, petroleum hydrocarbons, chlorinated hydrocarbons, and chromium were detected in groundwater samples.

Burn Pit 1 was excavated in 1996 and 1997 and confirmation samples were collected from the floor and sidewall of the excavation at each stage (Montgomery Watson 2001). Other site structures had been previously demolished and removed from the site. Confirmation samples indicated low levels of benzene and TCE remaining in soil. During excavation, samples of water from the pit indicated high levels of benzene and chlorinated hydrocarbons. A FS was performed in 2001 after the completion of excavation activities (Montgomery Watson 2001).

Site FT-02 has been included in the groundwater long-term monitoring (LTM) program at Whiteman AFB since 1996.

A summary of the nature and extent of contaminants at Site FT-02 is provided in Section 2.5.5.1 of this ROD. The results of the human health and ecological risk assessments are provided in Sections 2.7 and 2.8, respectively.

Based on risk results in the original Human Health Risk Assessment (HHRA), an updated risk assessment in the FS, additional risk evaluations were recommended for Site FT-02. The updated risk evaluation concluded that there is no risk to human health under the current and future land use setting.

2.2.2 Site LF-11

Site LF-11 was operated for about one (1) month during the 1950s (Engineering-Science 1984). It consisted of a hardfill area and two landfill waste trenches. Aerial photograph analysis identified a trench along the south boundary of the base in 1965 in the area of what is currently Site LF-11. The hardfill area first appeared in 1984 aerial photographs. Preliminary and detailed geophysical surveys performed at the site revealed two east-west linear anomalies: one north and one south of the hardfill area (Ecology and Environment 1988). The south anomaly corresponded to the trench observed on the 1965 photograph.

Investigations indicated that TPH was present in subsurface soil (Black & Veatch 1991). Iron, manganese, 1,2-DCA, and nitrobenzene were detected in groundwater at concentrations below the residential screening level.

In 2002, MDNR required further investigation to characterize the site to confirm the presence or absence of contamination observed during previous investigations conducted to support expansion of the flightline facilities. The investigation identified p-isopropyltoluene, benzo(a)anthracene, benzo(a)pyrene, chrysene, jet fuel, and TPH in soil (CH2M HILL 2004a). 1,2-DCA, nitrobenzene, bis(2-ethylhexyl)phthalate (BEHP), and manganese were detected in groundwater.

A summary of the nature and extent of contaminants at Site LF-11 is provided in Section 2.5.5.2 of this ROD. The results of the human health and ecological risk assessments are provided in Sections 2.7 and 2.8, respectively.

Though no risks were identified in the risk assessments under an unrestricted land use scenario, Whiteman AFB and MDNR believe that the presence of landfill waste trenches at Site LF-11 warrants the implementation of ICs and recontouring of the existing landfill cover to address the potential of human exposure to landfill waste in trenches present at Site LF-11.

2.2.3 Site LF-12

Air Force records indicated that Site LF-12 was operated as a landfill (identified as Landfill 3) for disposal of routine base refuse for less than one (1) year. Its period of use is known only to be between the late 1940s and mid-1950s. Site LF-12 was originally identified in a Phase I Records Search (Engineering-Science 1984).

No evidence of landfill activities was documented in aerial photographs (Ecology and Environment 1988). In addition, preliminary and detailed geophysical surveys did not identify evidence of landfill activities (i.e., waste trenches). Oil, grease, and lead were detected in a surface soil sample, but the occurrence of these constituents was attributed to runoff from the FPTA (Site FT-02) north of the site (Black & Veatch 1991). A small area of soil contaminated with lead was excavated in 2003 (CH2M HILL 2004b). Confirmation samples collected from the excavation confines demonstrated that lead levels were below 260 mg/kg residential soil screening level set forth in CALM.

Investigations in the 1990s indicated that VOCs and semivolatile organic compound (SVOCs) were present in the onsite analysis of soil and groundwater samples and the offsite analysis of groundwater samples (Jacobs Engineering 1999). However, analytical results of soil samples from recent investigations identified only m,p-xylene, o-xylene, and arsenic in soil and benzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylene, o-xylene, and lead in groundwater (CH2M HILL 2004b) at concentrations in excess of the residential screening levels. The VOCs were observed in an area east of the historic limits of Site LF-12 and were attributed to a surface spill along an access road.

A summary of the nature and extent of contaminants at Site LF-12 is provided in Section 2.5.5.3 of this ROD. The results of the human health and ecological risk assessments are provided in Sections 2.7 and 2.8, respectively.

Based on risks identified in the HHRA, a FS was recommended for Site LF-12. The FS recommended that the selected remedial alternative for groundwater at Site LF-12 consist of ICs with groundwater monitoring.

2.2.4 Site SS-44

Site SS-44 was identified during the excavation of Burn Pit 1 at Site FT-02. TCE was detected in soil and groundwater samples collected near the old runway/taxiway at the northeast corner of the excavation. TCE was found to be unrelated to Site FT-02.

Investigations at Site SS-44 identified 1,1-DCE, 1,2-dichloroethene (1,2-DCE), cis-1,2-DCE, TCE, vinyl chloride, and BEHP in groundwater (CH2M HILL 2003). BEHP was not identified as a COPC for the site since it was only detected in one well (FT02-MW006) during one sampling event (October 1999) and is a common laboratory contaminant.

A summary of the nature and extent of contaminants at Site SS-44 is provided in Section 2.5.5.4 of this ROD. The results of the human health and ecological risk assessments are provided in Sections 2.7 and 2.8, respectively.

Based on risks identified in the HHRA, a FS was recommended for Site SS-44. The FS recommended that the selected remedial alternative for groundwater at Site SS-44 consist of ICs with groundwater monitoring.

2.3 Community Participation

Regulations under CERCLA require public participation to occur before and at the completion of the ROD (e.g., 40 CFR § 300.430[f][3]; see also, *Community Relations Superfund: A Handbook* [USEPA 1992]). To meet these obligations, Air Force and MDNR regularly provide the community with information regarding the cleanup of sites at Whiteman AFB through periodic meetings of the Restoration Advisory Board (RAB). In addition, the Air Force provides a public Information Repository, meeting announcements, fact sheets, and public notices published in the local newspapers.

RAB meetings are held semi-annually, and the public is encouraged to attend. The location, date, and time of the meetings are published in the local newspapers. At these meetings, community members review and discuss progress of the ERP and are encouraged to provide the Air Force with their ideas and opinions regarding studies and cleanup options at the various ERP sites. Published ERP reports are made available to the public at the Information Repository located in Warrensburg, Missouri, at the Central Missouri State University Library Government Documents Room. The Whiteman AFB ERP Manager is responsible for maintaining the repositories and ensuring that documents are added to the information file as work continues at the site.

A public comment period for the Proposed Plan, which corresponds to this ROD began on April 13, 2004, and ended on May 13, 2004. The Proposed Plan was mailed directly to the Whiteman AFB RAB mailing list for public review. The Proposed Plan included information announcing the public comment period and associated public meeting. A public notice summarizing the Proposed Plan and announced the public comment period and associated public availability session, was also printed in local newspapers.

At the public availability session, which was held on May 5, 2004, no comments relating to the Proposed Plan were received from the audience.

2.4 Scope and Role of Response Action

The proposed remedies in this ROD will be the final actions for Sites FT-02, LF-11, LF-12, and SS-44. As such, the remedies addressed in this ROD constitute the final actions required at these sites to mitigate potential threats to human health and the environment posed by residual groundwater contamination at Sites FT-02, LF-12, and SS-44 and the presence of buried landfill waste at Site LF-11.

2.4.1 Sites FT-02, LF-12, SS-44

This ROD presents the final response action for Sites FT-02, LF-12, and SS-44 and addresses the risks to human health and the environment from groundwater contamination by imposing ICs to prohibit extraction and use of groundwater except for the incidental removal of groundwater during construction or routine base activities at these sites. Groundwater removed will be handled and disposed of in accordance with appropriate regulations. In addition, a groundwater monitoring program will be implemented by the Air Force, with MDNR review, to systematically evaluate groundwater quality at each site and to ensure that the IC boundaries fully encompass the areas of groundwater contamination and remain protective of human health and the environment. The groundwater monitoring program will also identify changes in contaminant concentrations or distribution and will be used to support a decision for expanding or terminating ICs. The ICs will ensure that groundwater at the sites cannot be extracted or used by potential future residents.

2.4.2 Site LF-11

Implementation of ICs and recontouring of the existing landfill cover will be performed at Site LF-11to minimize the potential of human exposure to landfill material located within the two waste trenches present at the site. Response actions included as part of the remedy at Site LF-11 are identification and documentation of the waste trenches and the IC boundaries surrounding the waste trenches in the Base General Plan and implementation of controls that manage surface water runoff to minimize erosion of the protective soil cover and minimize infiltration.

2.5 Site Characteristics

This section describes the pertinent physical characteristics of Whiteman AFB. This is followed by a summary of the nature and extent of contamination at each of the four (4) sites addressed by the ROD. Environmental sampling data from the site-specific RIs were used to evaluate the nature and extent of the contamination.

2.5.1 Geology

The regional geology generally consists of unconsolidated overburden underlain by bedrock. Unconsolidated overburden consists of thin alluvial deposits over loess and residual soils.

The alluvium consists of stratified deposits of sand, gravel, silty clay, and silty clay loam (Stohr et al. 1981). Beneath the alluvium are loess and residual soil deposits. Loess consists of wind-blown silt deposits, but the loess may be absent because of erosion or nondeposition. Residual soils consist of soil from in-place weathering and decomposition of bedrock. The residual soils are thickest on gentle slopes, and usually consist of clayey silt or sandy silty clay with occasional sand or gravel. Underlying the overburden is bedrock that consists of shale and sandstone units of the Lagonda Formation, Cherokee Group, Desmoinesian Series, and Pennsylvanian System.

2.5.2 Hydrogeology

Two (2) potentially significant aquifers and three (3) low-yielding groundwater bearing zones occur in the area of Whiteman AFB:

- A Quaternary-age unconsolidated overburden water-bearing unit consisting of alluvium, loess, and residual soil (low-yielding)
- Pennsylvanian-age, Cherokee Group shales, sandstones, and limestones (low-yielding)
- Mississippian-age limestones (low-yielding)
- Ordovician-age aquifers, specifically sandstones in Central Missouri (used for base water supply)
- Cambrian-age aquifers, specifically dolomite (used for base water supply)

Shallow groundwater within the unconsolidated overburden appear to be under semi-confined conditions within a sandy to gravelly clay at the soil/bedrock interface. This unit varies in thickness and does not appear to be continuous beneath the sites (as evidenced by its absence at Site LF-12). Groundwater flow beneath Sites FT-02, LF-11, and LF-12 is generally to the southeast. Groundwater flow beneath Site SS-44 is generally to the northeast, parallel with an elongated ridge of bedrock. Along the southeast flank of the bedrock ridge, groundwater flows both east and southeast.

Based on the hydraulic conductivity and groundwater gradient values presented in previous reports, the groundwater flow rate at Site FT-02 was estimated to be 0.8 foot per year (ft/yr) (Montgomery Watson 2001), and at Site SS-44 the rate was estimated to be 33 ft/yr (CH2M HILL 2003). The flow rates indicate that groundwater is flowing within the sandy to gravelly clay at the soil/bedrock interface. Based on field observations and its location relative to Site FT-02, the groundwater flow rate at Site LF-12 is likely to be similar to that at Site FT-02.

2.5.3 Surface Water

Whiteman AFB is drained by several small perennial streams and creeks that flow to either the Blackwater or Lamine rivers (Metcalf and Eddy 1991). Both rivers are part of the Missouri River drainage basin. Base streams are not classified by the MDNR for the protection of aquatic life (10 CSR 20-7.031), nor are they used as sources of potable water (Ecology and Environment 1988). Because of the low relief and poor infiltration capacity of the soils, intense rainfall commonly causes localized flooding in parts of the base.

Locally, no significant surface water bodies are located at the sites. A surface water drainage ditch that conveys runoff from Perimeter Road and a secondary road runs along the southern and eastern boundaries of Site LF-12. A small drainage ditch running along the northern boundary of Site LF-11 conveys runoff from the north central part of Site LF-11 and Perimeter Road to a drainage ditch on the eastern portion of the site. This drainage ditch flows through a culvert under the base perimeter fence located in the southeast corner of the site where it discharges storm water to an off-base surface water drainage ditch.

2.5.4 Nature and Extent of Contamination

This section presents a summary of the nature and extent of contamination at Sites FT-02, LF-11, LF-12, and SS-44. Chemicals that exceed risk-based screening levels and that are determined to be related to site activities through evaluation of the nature and extent of the observed concentrations are considered chemicals of potential concern (COPCs). A detailed risk assessment was performed of the COPCs to determine which chemicals do pose unacceptable risk to human health and the environment. These are referred to as COCs. Table 2-1 presents the COPCs identified at each site, the maximum concentration detected, and the associated risk.

2.5.4.1 Site FT-02

Soil was tested for VOCs, SVOCs, PAHs, and metals. These parameters were found to be at levels below the MDNR residential screening level (Montgomery Watson 2001). VOCs, SVOCs, and inorganics were detected in groundwater at Site FT-02. COPCs retained in the groundwater risk assessment included benzene, ethylbenzene, TCE, 1,2-DCA, and cis-1,2-DCE. Concentrations of benzene and ethylbenzene that exceed the residential screening levels have been limited to groundwater collected from monitoring well FT02-MW-05. Monitoring well FT02-MW-05 is located on the west central portion of the site, northwest of Burn Pit 2, as depicted in Figure 2-4. TCE, 1,2-DCA, and cis-1,2-DCE in groundwater are related to Site SS-44 which was carved out of Site FT-02 and designated as a stand-alone site after the original risk assessment was completed. TCE, 1,2-DCA, and cis-1,2-DCE have never been observed in well FT02-MW-05.

2.5.4.2 Site LF-11

VOCs, SVOCs, and TPH compounds were either observed within the landfill waste or in soil immediately adjacent to the waste in both landfill waste trenches. One (1) VOC (p-isopropyltoluene) and three (3) SVOCs (benzo[a]pyrene, benzo[a]anthracene, and chrysene) were identified as COPCs.

TABLE 2-1
Summary of Site Contaminants
Record of Decision—Sites FT-02, LF-11, LF-12, And SS-44

Site	Media	Chemical of Potential Concern	Current Screening Level (ppb)	Maximum Concentration Detected (ppb)	Construction Worker		Residential		
					Cancer Risk[a]	Hazard Quotient[b]	Cancer Risk[a]	Hazard Quotient – Child[b]	Hazard Quotient – Adult[b]
Site FT-02	Soil	None							
	Ground water	Benzene	5	2100	1.6E-06	1	See Note 1	See Note 1	See Note 1
		Ethylbenzene	700	1400	NA	0.196	See Note 1	See Note 1	See Note 1
		Trichloroethene	5	55	1.08E-10	NA	See Note 2	See Note 2	See Note 2
		1,2-Dichloroethane	5	91	1.53E-09	NA	See Note 2	See Note 2	See Note 2
		cis-1,2-Dichloroethene	70	38	NA	0.021	See Note 2	See Note 2	See Note 2
Site LF-11	Soil	p-Isopropyltoluene	6	42	NA	0.000003	NA	0.000003	0.00002
		Benzo(a)pyrene	200	340	8.0E-09	NA	5.5E-07	NA	NA
		Benzo(a)anthracene	200	340	8.03-08	NA	5.5E-06	NA	NA
		Chrysene	200	400	9.4E-11	NA	6.4E-09	NA	NA
	Ground water	bis(2-Ethyl)hexyl phthalate	6	6.8	2.0E-08	0.005	3.6E-06	0.05	0.02
Site LF-12	Soil	Xylene	16000	16000	1.4E-06	0.007	**9.8E-05**	0.07	0.006
		Arsenic	11000	38000	NA	0.2	NA	1.8	0.2
	Ground water	Naphthalene	100	110	NA	0.5	NA	0.6	0.3
		1,2,4-Trimethylbenzene	12	280	NA	0.7	NA	0.6	0.2
		1,3,5-Trimethylbenzene	12	140	NA	0.4	NA	0.3	0.1
		Benzene	5	19	6.4E-08	0.02	**1.8E-05**	0.4	0.2
		m,p-Xylene	320	340	NA	0.07	NA	0.2	0.09

TABLE 2-1
Summary of Site Contaminants
Record of Decision—Sites FT-02, LF-11, LF-12, And SS-44

Site	Media	Chemical of Potential Concern	Current Screening Level (ppb)	Maximum Concentration Detected (ppb)	Construction Worker		Residential		
					Cancer Risk[a]	Hazard Quotient[b]	Cancer Risk[a]	Hazard Quotient – Child[b]	Hazard Quotient – Adult[b]
Site SS-44	Soil	None							
	Ground water	Trichloroethene	5	231	2E-06	0.07	**6E-05**	**3**	
		cis-1,2-Dichloroethene	70	510	NA	0.07	NA	**2**	

[a]Cancer risk criteria 1E-05
[b]Hazard Quotient criteria 1.0

NA = not applicable
Risk values exceeding acceptable criteria are shown in **bold**

Note 1: Residential risk not calculated in final risk assessment; maximum concentrations exceed MCLs, therefore contamination presents unacceptable risk under unrestricted scenario
Note 2: Contaminants evaluated in detail as part of Site SS-44; refer to Site SS-44 for risk conclusions (1,2-Dichloroethane was not identified as a COPC at Site SS-44)

One (1) SVOC (BEHP) (a common laboratory contaminant) was detected above its screening level in downgradient groundwater, demonstrating that groundwater is not affected by VOCs and SVOCs encountered within the trenches. Although the detected BEHP in groundwater was not considered to be associated with Site LF-11 activities, it was included in the HHRA for use in risk management decisions.

2.5.4.3 Site LF-12

One (1) VOC (total xylene) exceeded its screening level in soil and was considered a COPC. One (1) inorganic (arsenic) was detected in soil at concentrations greater than its screening level. TPH compounds in soil greater than respective screening levels were localized in two direct-push technology (DPT) soil boring locations on the eastern portion of the site and east of the site boundary (LF12-DPT-116 and LF12-DPT-120). Quantitative toxicity values are not available for TPH compounds and are not included as COPCs in calculations of total site risk. COPCs in soil carried into the HHRA included arsenic and total xylene.

Five (5) VOCs (naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, and m,p-xylene) were detected above respective screening levels in groundwater in soil boring LF12-DPT-120, the same boring in which elevated TPH concentrations were observed in soil. Naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, and total xylenes were carried forward into the HHRA.

Based on the results in soil and groundwater and the location of elevated chemical concentrations, the origin of the chemicals detected in soil and groundwater at soil boring LF12-DPT-120 does not appear to be related to landfill activities. Rather, the occurrence of chemicals may be attributed to an isolated spill.

2.5.4.4 Site SS-44

No COPCs were identified in soil. Therefore, no chemicals were carried into the HHRA.

TCE and its degradation products were observed in groundwater samples above screening levels. The presence of high concentrations of cis-1,2-DCE indicates that the TCE is degrading. TCE and cis-1,2-DCE were carried into the HHRA.

The highest concentrations of TCE in groundwater were located in monitoring wells SS44-MW-05 and SS44-MW-06 on the south-central portion of the site, as depicted in Figure 2-7.

2.5.5 Fate and Transport of Contaminants

2.5.5.1 Sites FT-02, LF-12, and SS-44

Based on residual concentrations of petroleum or chlorinated hydrocarbons observed in soil at Sites FT-02, LF-12, and SS-44, there are no current sources of contamination in soil with the potential to affect groundwater quality. The residual concentrations are expected to continue to naturally degrade and attenuate with time.

The extent of groundwater contaminant migration at Sites FT-02, LF-12, and SS-44 is limited because the groundwater flow rates that predominate in the clay soil beneath the sites are very slow. Contaminant migration is further limited because there are no known contaminant sources remaining in soil. This conclusion is supported by the consistent LTM data obtained over eight (8) years at Site FT-02. Petroleum hydrocarbon concentrations (specifically benzene), present at elevated concentrations in one (1) well (FT02-MW-05), have continued to decrease over time and are not observed in downgradient wells. This trend of decreasing concentrations is expected to continue over time as a result of various degradation processes that occur naturally with organic chemicals.

VOCs volatilizing from the underlying contaminated groundwater could partition into soil gas and be transported through soil gas into overlying structures. Currently there are no structures at the three (3) sites in which soil gas could be captured and VOCs could accumulate.

2.5.5.2 Site LF-11

Waste material was observed in the northern landfill waste trench at roughly 5 to 8 feet below ground surface and in the southern landfill waste trench at roughly 3.5 to 5 feet below ground surface Waste material in both trenches appeared to be predominantly municipal (i.e., broken glass, aluminum/tin containers, paper products). Other material present in the waste stream included rubber tubing, oily rags, and wood debris. Soil surrounding the waste material consisted of a lean clay.

VOCs, SVOCs, and TPH compounds observed in samples collected at Site LF-11 were primarily limited to samples collected from with the landfill waste. Soil samples collected immediately adjacent to the waste in both waste trenches showed lower contaminant concentrations. The groundwater downgradient of both waste trenches is not affected by VOCs and SVOCs identified within the trenches. No COCs were identified in groundwater at the site. The clay soil surrounding the waste material has sufficiently limited transport of contaminants observed in the waste trenches at Site LF-11.

2.5.6 Conceptual Site Model

The conceptual model of exposure pathways was developed to depict the potential relationship or exposure pathway between chemical sources and human receptors prior to the interim remedial actions taken. An exposure pathway describes a specific environmental pathway by which a receptor can be exposed to the chemicals in environmental media.

2.5.6.1 Potential Receptors

The potential for exposure is greatly influenced by the land use of the site. The anticipated current and future land use at the sites is industrial. Nonetheless, the purpose of the response actions at Sites FT-02, LF-12, and SS-44 is to ensure that future use remains industrial. Similarly, at Site LF-11, the goal is to limit potential human exposure to landfill waste material. The sites are currently considered industrial and are expected to remain industrial in the foreseeable future.

***Future Residents*—**Shallow groundwater located at a depth of approximately 5 to 10 below ground surface that is affected by site activities is not currently used as a drinking water supply nor is it likely to be used as such in the future. Well surveys indicate that the shallow groundwater under and in the vicinity of Whiteman AFB is not used for domestic purposes. Furthermore, the base obtains its domestic water supply from water supply wells constructed at depths of 1,000 feet or greater in bedrock. Therefore, it is most unlikely that complete exposure pathways could exist for consumption of groundwater by future residents unless a well was completed through the groundwater contamination and not properly sealed at a depth beneath the shallow aquifer.

Future residents may be exposed to indoor air that has become contaminated as a result of VOCs volatilizing from the underlying contaminated groundwater. For this pathway to be considered complete, it is assumed that volatile constituents in groundwater could partition into soil gas and become transported through soil gas into overlying structures. These constituents could then mix with indoor air, potentially resulting in inhalation exposure risks to individuals inside the structure.

Future residents may be exposed to landfill waste material by digging into the material during the process of planting trees or shrubs. The potential for this to occur is unlikely based on previous investigations which have shown that approximately 5 to 8 feet of soil overlay the northern waste trench and approximately 3.5 to 5 feet of soil overlay the southern waste trench.

***Future Workers*—**Workers in buildings that are located over groundwater contaminated with VOCs could potentially be exposed through migration of VOCs from groundwater to indoor air, followed by inhalation exposure. For this pathway to be considered complete, it is assumed that volatile constituents in groundwater could partition into soil gas and become transported through soil gas into overlying structures. These constituents could then mix with indoor air, potentially resulting in inhalation exposure risks to individuals inside the structure.

Future workers are unlikely to be exposed to landfill waste material during the routine performance of their jobs.

***Construction Workers*—**Construction workers may excavate soils for utility installation, maintenance, or other purposes. Shallow groundwater may seep into the excavation. VOCs could volatilize directly from groundwater during excavation. Construction workers also could experience direct skin contact with groundwater, under these conditions. Therefore, it is assumed that, for construction workers, potentially complete exposure routes for groundwater are ingestion, dermal contact, and inhalation of VOCs.

Future construction workers may be exposed to landfill waste material during the installation of buried utility lines or other construction activities requiring disturbance if the subsurface. Construction workers could experience direct skin contact with waste material during such activities.

***Trespassers*—**Trespassers are unlikely to have contact with groundwater or landfill waste materials at the sites. Thus, it is assumed there are no complete exposure pathways from groundwater or waste materials to trespassers.

For these potential exposure scenarios, either the risk assessment concluded that no complete exposure pathway existed, or the potential exposure pathway is being addressed through remedies selected in this ROD. (See Section 2.14.)

2.6 Current and Potential Future Land and Resource Uses

2.6.1 Land Use

Whiteman AFB is currently an active Air Force installation encompassing 4,677 acres of government-owned, leased, or easement land. The base is bordered by agricultural land to the south and east, Knob Noster State Park and low-density residential areas to the west, and the community of Knob Noster to the north. Site LF-11 is located at the southern fenced perimeter of the base. Land immediately south of Site LF-11 is used for agriculture purposes.

No active operations are being conducted at Sites FT-02, LF-11, LF-12, and SS-44. A paved recreational vehicle storage area occupies part of Site SS-44. The current and anticipated future land use at the sites is industrial. Whiteman AFB is considering expanding the southern end of the flight line in the area in which the sites are located, commonly referred to as the SREA.

2.6.2 Surface Water Resources

As stated in Section 2.5.3, no significant surface water bodies are located at the four sites.

2.6.3 Groundwater Resources

As stated in Section 2.5.2, shallow groundwater within the unconsolidated overburden appears to be primarily present as a semi-confined unit within a sandy to gravelly clay at the soil/bedrock interface. Groundwater within the overlying low-permeability clays and sandy to gravelly clay is found at a depths ranging from 5 to 10 feet below ground surface and is not used for domestic or agricultural purposes based on a water well of wells within a one- (1-) mile radius of the base. Groundwater used for domestic purposes at the base is pumped from water supply wells constructed at depths of 1,000 feet or greater in bedrock and treated at the base water treatment plant for the primary purpose of achieving water hardness limits considered acceptable for the public.

2.7 Summary of Human Health Risks

The HHRAs for Sites FT-02, LF-11, LF-12, and SS-44 were conducted as part of the site specific RI reports and/or technical memorandums following USEPA's *Risk Assessment Guidance for Superfund (RAGS)* (USEPA 1989) and *Air Force Center for Environmental Excellence (AFCEE) Guidance for Risk Assessment* (AFCEE 1997). The risk assessments were performed using a phased process that included a risk screening analysis.

The HHRA, which determined COCs for Sites FT-02, LF-12, and SS-44, concluded that no risks to human health or the environment were identified in soil and groundwater for the anticipated long-term industrial land use (see Table 2-1). Exposure pathways from groundwater to workers, specifically inhalation and direct contact with water ponded in deep excavations, and VOCs released from groundwater to indoor air, are potentially complete. The excess lifetime cancer risk for the worker exposure scenario is less than 1×10^{-5} and the noncancer HQ does not exceed 1. However, calculated human health risks in groundwater for the hypothetical unrestricted land use do require consideration. The greatest contribution to risk is the ingestion of groundwater for potable uses. Because it is not expected that the groundwater under the site will be used as a drinking water supply, it is very unlikely that future residents will be exposed to groundwater. According to the risk assessments and recent risk evaluations, the carcinogenic and non-carcinogenic risk thresholds are not exceeded for industrial workers from exposures associated with the volatilization of chemicals from groundwater to indoor air (CH2M HILL 2004e). The COCs in groundwater include benzene at Sites FT-02 and LF-12 and cis-1,2-DCE and TCE at Site SS-44. In addition, unacceptable risk was calculated for xylenes in soil at Site LF-12.

At Site LF-11, no risks to human health or the environment were identified in soil and groundwater above the carcinogenic and non-carcinogenic thresholds for the anticipated long-term industrial land use and the hypothetical unrestricted land use (i.e., no COCs were identified).

2.8 Summary of Ecological Risks

An evaluation of the potential for ecological risk at Whiteman AFB was conducted according to the MDNR's Cleanup Levels for Missouri (CALM) guidance document (MDNR 2001). The CALM process was developed for hazardous substance contamination that is remediated under Missouri's Voluntary Cleanup Program laws and regulations (10 CSR 25-15.010) administered by the MDNR Hazardous Waste Program. No unacceptable ecological risks were identified at the four sites.

2.9 Basis for Action

The response actions selected in this ROD for Sites FT-02, LF-11, LF-12, and SS-44 are necessary to protect the public health or the environment from groundwater contamination at Sites FT-02, LF-12, and SS-44 and buried municipal waste at Site LF-11.

For Sites FT-02, LF-12, and SS-44, the implementation of ICs, supported by a groundwater monitoring program, represents the final remedy for the sites. The ICs will address potential risks posed by the contaminated groundwater by prohibiting extraction and use of the groundwater except for the incidental removal of groundwater during construction or routine base activities at each of the three sites. Groundwater removed will be handled and disposed of in accordance with appropriate regulations.

For Site LF-11, the implementation of ICs and recontouring of the existing landfill cover, represents the final remedy for the site. Implementation of ICs and recontouring of the existing landfill cover will be performed to address the potential of human exposure to landfill waste in trenches present at Site LF-11.

2.10 Remedial Action Objectives

Remedial Action Objectives (RAOs) provide general descriptions of what the selected remedy will accomplish and form the basis for the selection of remedial alternatives for Sites FT-02, LF-11, LF-12, and SS-44. The RAOs developed for each site specify the COCs, medium of interest, and exposure pathways. Typically, RAOs are developed based on the exposure pathways found to present potentially unacceptable risks according to the results of the HHRA. The identified risks can be associated with current or potential future exposures. A summary of the applicable RAOs for each of the sites is provided in this section.

2.10.1 Sites FT-02 and LF-12

The RAO identified for Sites FT-02 and LF-12 is to prevent human exposure to groundwater containing benzene at concentrations above the established remediation goals, as defined below in Section 2.10.4, by implementing ICs. This RAO will be evaluated during the Five-Year Review, at which time the Air Force may amend this ROD in conjunction with MDNR, as necessary to protect the human health and the environment.

2.10.2 Site SS-44

The RAO identified for Site SS-44 is to prevent human exposure to groundwater containing cis-1,2-DCE and TCE at concentrations above the established remediation goals, as defined below in Section 2.10.4, by implementing ICs. This ROD will be evaluated during the Five-Year Review, at which time the Air Force may amend this ROD in conjunction with MDNR, as necessary to protect the human health and the environment.

2.10.3 Site LF-11

The RAO identified for Site LF-11 is to limit human exposure to landfill trench waste material, by implementing ICs and recontouring of the existing landfill cover. This RAO will be evaluated during the Five-Year Review, at which time the Air Force may amend this ROD in conjunction with MDNR, as necessary to protect the human health and the environment.

2.10.4 Remediation Goals

Consistent with the RAOs, chemical-specific remediation goals were developed as part of the RI/FS process. For groundwater at Sites FT-02, LF-12, and SS-44, remediation goals were derived from published MCLs promulgated under the Federal Clean Water Act:

- Benzene 5 μg/L
- TCE 5 μg/L
- cis-1,2-DCE 70 μg/L

Figures 2-4, 2-5, 2-6, and 2-7 present the COCs at each site that exceed the remediation goals. For Site LF-11, no contaminant concentrations exceed acceptable risk criteria (i.e., no COCs were identified). Therefore, no remediation goals are required for Site LF-11.

2.11 Description of Alternatives

This section presents a detailed description of the remedial alternatives evaluated for the sites and a summary of associated costs. Because of the relatively low concentrations and limited risk posed by contaminants detected in groundwater at Sites FT-02, LF-12, and SS-44 and the proven difficulty in successfully implementing active groundwater remediation approaches due to subsurface conditions at Whiteman AFB, only three (3) response actions were considered in developing remedial alternatives: No Action, ICs, and ICs with

Monitoring. The latter two alternatives, ICs and ICs with Monitoring, were combined within this ROD. Treatability studies conducted at several sites across the base involving injection and extraction technologies failed to provide cost-effective remedial solutions.

2.11.1 Sites FT-02, LF-12, and SS-44

The remedial alternatives considered most applicable to address benzene in groundwater at Sites FT-02 and LF-12 and cis-1,2-DCE and TCE at Site SS-44 are:

- Alternative 1—No Action
- Alternative 2—Institutional Controls (Supported by Groundwater Monitoring)

2.11.1.1 Alternative 1—No Action

Capital Cost:	$0
Present Worth O&M Cost:	$0
Total Present Worth:	$0

Alternative 1 consists of taking no action. The NCP requires that the No Action Alternative be retained throughout the FS process as a basis of comparison with other alternatives. No action would leave the affected groundwater in place at Sites FT-02, LF-12, and SS-44. Natural attenuation processes, such as dilution, dispersion, and biodegradation, are expected to occur and reduce contaminant concentrations over time; however, the concentrations would not be monitored, and the degree to which attenuation occurs will be unknown. This alternative will not mitigate human health risks posed by the COCs in groundwater. Although the groundwater at the site is not currently used for human consumption, this alternative has no provisions to ensure that contaminated groundwater will not be used for human consumption in the future.

2.11.1.2 Alternative 2—Institutional Controls (Supported by Groundwater Monitoring)

Capital Cost:	$37,032
Present Worth O&M Cost:	$84,647
Total Present Worth:	$121,679

Alternative 2 consists of ICs and groundwater monitoring. ICs will be implemented to prevent extraction and use of underlying shallow groundwater except for the incidental removal of groundwater during construction or routine base activities. Groundwater removed will be handled and disposed of in accordance with appropriate regulations. Groundwater monitoring will be implemented to allow for the systematic, periodic evaluation of site groundwater quality to help ensure that established IC boundaries fully encompass the contaminant plumes and remain protective of human health and the environment. The Air Force will implement, monitor, and enforce the ICs. The IC boundary limits will encompass the areas on each of the three sites where groundwater contaminants pose risk under the residential use scenario. The IC will be documented in the Base General Plan. Authorization from the ERP Manager will be required for construction activity within an IC boundary, and the ERP Manager, other appropriate base personnel, and MDNR will reevaluate the sites' status before any change in land use.

A groundwater monitoring program will track changes in groundwater COC concentrations, allowing timely response to changing site conditions. At Site SS-44 the groundwater monitoring program will include analysis for TCE degradation daughter products. For the purposes of the cost estimate, it is assumed that three (3) downgradient monitoring wells will be installed and monitored. Once remediation goals have been met for three (3) consecutive sampling events occurring at least three (3) months apart but no longer than two (2) years apart, ICs will be terminated and the site will be closed.

An annual groundwater monitoring report will be prepared each year for five (5) years. At the completion of the monitoring period, a five-year summary report will be prepared that will recommend whether monitoring can be terminated or additional monitoring is warranted.

2.11.2 Site LF-11

The selected remedy for Site LF-11 consists of implementing ICs and recontouring of the existing landfill cover.

Capital Cost:	$161,623
Present Worth O&M Cost:	$40,572
Total Present Worth:	$202,195

The remedy will limit human contact with landfill waste material by immediately repairing (within 30 days) damage to the protective soil cover resulting from land surface or subsurface activity and by implementing actions to minimize erosion of the protective soil cover from surface water runoff.

ICs will be established around the waste trenches and documented in the Base General Plan. The duration of ICs for Site LF-11, pertinent to potential exposure to wastes, will be unlimited as long as waste is present at the Site. Previous investigations have shown that approximately 5 to 8 feet of soil overlay the northern waste trench and approximately 3.5 to 5 feet of soil overlay the southern waste trench. A soil cover thickness of 12 inches is considered appropriate to improve surface water runoff on the southern cell. Therefore, no additional soil cover is required for both the northern and southern landfill waste trenches. The northern landfill waste trench cover requires no physical improvements to control surface water runoff or erosion. The southern waste trench cover requires some improvements to divert surface water away from the waste trench. This will include minimal filling in the low-lying areas to divert surface water flow.

An inspection of the trench cover will be conducted annually in compliance with the ICs until the Five-Year Review.

2.12 Comparative Analysis of Alternatives

The USEPA has established nine (9) criteria to use in evaluating remedial alternatives individually and comparatively to help select a preferred alternative. These criteria are classified as threshold criteria, balancing criteria, and modifying criteria.

Threshold criteria are standards that must be met by an alternative for it to be eligible for selection as a remedial action. There is little flexibility in meeting the threshold criteria—the alternative must meet them or it is unacceptable. Threshold criteria are:

- Overall protection of human health and the environment.
- Compliance with Applicable or Relevant and Appropriate Requirements (ARARs). ARARs for these four sites are provided in Appendix A.

Balancing criteria weigh the tradeoffs between alternatives. These criteria represent the standards upon which the detailed evaluation and comparative analysis of alternatives are based. In general, a high rating on one can offset a low rating on another balancing criterion. Five (5) of the nine (9) criteria belong to balancing criteria:

- Long-term effectiveness and permanence
- Reduction of toxicity, mobility, and volume through treatment
- Short-term effectiveness
- Implementability
- Cost

Modifying criteria are:

- Community acceptance
- State/support agency acceptance

This section summarizes how well each alternative satisfies each evaluation criterion and indicates how it compares to the other alternatives under consideration.

2.12.1 Sites FT-02, LF-12, and SS-44

2.12.1.1 Overall Protection of Human Health and the Environment

Alternative 1 is not considered protective because it does not provide ICs to prevent exposure to contaminated groundwater. The alternative would not protect human health and the environment since the risk posed from contaminated groundwater would not be reduced or mitigated. Future exposure to onsite groundwater would be expected to result in unacceptable risks.

Alternative 2 is considered protective because it imposes ICs to prevent groundwater extraction and use except for the incidental removal of groundwater during construction or routine base activities and therefore mitigates human health risks associated with potential exposure to unacceptable concentrations of residual VOCs. Groundwater removed will be handled and disposed of in accordance with appropriate regulations. Also, the implementation of a groundwater monitoring program would ensure that IC boundaries encompass contaminant plumes or else indicate the need for possible additional actions should consecutive groundwater monitoring results indicate that contaminant migration is occurring or soon will occur outside of the identified IC boundaries.

2.12.1.2 Compliance with ARARs

Alternative 1 does not comply with chemical-specific ARARs. There are no location- or action-specific ARARs applicable to Alternative 1.

Alternative 2 would be expected to comply with applicable ARARs.

2.12.1.3 Long-Term Effectiveness and Permanence

Alternative 1 does not provide long-term effectiveness and permanence. The risk associated with the groundwater would not be reduced and might be increased should further migration of contaminants occur.

For Alternative 2, although the magnitude of residual risks will not be reduced in the short term, ICs would provide adequate and reliable risk management by prohibiting potential groundwater use, except for the incidental removal of groundwater during construction or routine base activities, thereby mitigating potential exposures and consequent risk. Groundwater removed will be handled and disposed of in accordance with appropriate regulations.

2.12.1.4 Reduction of Toxicity, Mobility, and Volume

Alternative 1 would not provide reduction of toxicity, mobility, and volume and does not meet the statutory preference for treatment.

Alternative 2 will not reduce the toxicity, mobility, and volume of the residual VOCs in groundwater since it does not involve active treatment (natural attenuation is not considered treatment in the context of this evaluation criterion).

2.12.1.5 Short-Term Effectiveness

This criterion addresses short-term impacts of the remedial alternatives by examining the effectiveness of alternatives in protecting human health and the environment. This evaluation criterion addresses the effects of the alternative during the construction and implementation phase until remedial action objectives are met.

Alternative 1 is not effective in the short-term, since unacceptable exposure to receptors can potentially occur. Alternative 2, on the other hand, will be effective in preventing unacceptable exposure to residual contamination.

2.12.1.6 Implementability

Alternative 1 has nothing to implement.

Implementation of Alternative 2 would be routine because ICs have already been outlined in the Base General Plan, and basewide groundwater monitoring protocols have already been established at Whiteman AFB (Black & Veatch 2001a, 2001b, 2001c). Implementation, monitoring, and enforcement of the selected ICs would be easy to accomplish.

2.12.1.7 Cost

Alternative 1 would not incur any costs.

Costs associated with Alternative 2 including capital costs realized with the installation of monitoring wells downgradient of the IC boundaries and O&M costs associated with the groundwater monitoring program for one (1) year. A detailed cost breakdown is provided in Appendix B.

2.12.1.8 State Acceptance

MDNR has provided input during the preparation of the Proposed Plan and ROD. USEPA Region VII has declined to actively participate. The selected remedial alternatives are protective of human health and the environment, comply with ARARs, are cost-effective, and can be readily implemented in a timely fashion.

2.12.1.9 Community Acceptance

This criterion evaluates issues and concerns the public may have regarding the alternatives. Regulations under CERCLA require public participation to occur before and at the completion of the ROD (e.g., 40 CFR § 300.430[f][3]; see also, *Community Relations Superfund: A Handbook* [USEPA 1992]). To meet these obligations, Air Force and MDNR regularly provide the community with information regarding the cleanup of sites at Whiteman AFB through periodic meetings of the Restoration Advisory Board (RAB). In addition, the Air Force provides a public Information Repository, meeting announcements, fact sheets, and public notices published in the local newspapers.

A public comment period for the Proposed Plan, which corresponds to this ROD began on April 13, 2004, and ended on May 13, 2004. The Proposed Plan was mailed directly to the Whiteman AFB RAB mailing list for public review. The Proposed Plan included information announcing the public comment period and associated public meeting. A public notice summarizing the Proposed Plan and announced the public comment period and associated public availability session, was also printed in local newspapers.

At the public availability session, which was held on May 5, 2004, no comments were received on the Proposed Plan for the four sites.

2.12.2 Site LF-11

Since risk associated with Site LF-11 are acceptable under an unrestricted use scenario, it is not necessary to perform a comparative analysis for Site LF-11, therefore a FS was not conducted. However, for informational purposes a detailed cost breakdown is provided in Appendix C.

2.13 Principal Threat Waste

The NCP expects that treatment that reduces the toxicity, mobility, or volume of the principal threat wastes will be used by a remedy to the extent practicable. The remaining groundwater contamination will not be treated but will be reduced by natural degradation. No principal threat waste is present at Whiteman AFB.

2.14 Selected Remedy and Performance Measures

The primary indicator of remedial action performance will be satisfying the RAOs for Sites FT-02, LF-11, LF-12, and SS-44, thereby ensuring continued protection of human health and the environment. Performance measures are defined herein as the RAOs (see Section 2.10) plus the required actions to achieve the defined objectives, as defined in this section. Successful implementation, operation, maintenance, and completion of the performance measures will achieve protective and legally compliant remedies for the sites. This section provides descriptions of the selected remedies and also provides specific performance measures for the selected remedies.

The Air Force is responsible for implementing, maintaining, and monitoring the remedial actions identified herein for the duration of the remedies selected in this ROD (until remediation goals are achieved). The Air Force will exercise this responsibility in accordance with CERCLA and the NCP.

2.14.1 Remedy for Sites FT-02, LF-12, and SS-44: ICs (Supported by Groundwater Monitoring)

The selected remedy for Sites FT-02, LF-12, and SS-44, Alternative 2 – ICs (supported by Groundwater Monitoring), was selected based upon cost-effectiveness and the inability to effectively reduce VOC concentrations in groundwater because of low groundwater flow conditions produced by the clayey soils underlying the base.

Imposing ICs and taking the following supporting actions (which are collectively "performance measures") will accomplish the RAO and be documented in an ICs Management Plan:

(1) Documenting ICs at each site within the Base General Plan

(2) Conducting a metes and bounds survey of areas for which groundwater extraction for use, other than the incidental removal of groundwater during construction or routine Base activities, is prohibited. In addition to being documented in the Base General Plan, the metes and bounds survey will be provided to MDNR (the IC boundaries, as defined in the metes and bounds survey, will provide a buffer zone as a margin of safety to allow for the potential for future plume migration). Figure 2-8 presents the anticipated IC boundary for Sites FT-02, LF-12, and SS-44

The Base General Plan will include provisions for the release of the ICs when remediation goals have been achieved as indicated by the results of the groundwater monitoring program during the Five-Year Review; the proposed final remedy for Sites FT-02, LF-12, and SS-44 (ICs) will remain in place until that time. Information in the Base General Plan regarding Sites FT-02, LF-12, and SS-44 will be submitted to MDNR upon incorporation into the Base General Plan. Since ICs will prohibit drilling of wells and extraction of groundwater for use, other than the incidental removal of groundwater during construction or routine base activities, there will be no complete exposure pathways for contaminated groundwater and human health and the environment will be protected. The contaminant concentrations will decrease over time through natural degradation processes because the groundwater contaminants are organic.

A groundwater monitoring program, to be documented in a Long-term Monitoring Plan developed in consultation with the MDNR, will be implemented by the Air Force to support the ICs and allow systematic, periodic evaluation of site groundwater quality to help ensure that the established IC boundaries fully encompass the contaminant plumes and remain protective of human health and the environment, and to provide objective data to support termination of ICs when remediation goals have been achieved. Implementation of the groundwater monitoring program will confirm that IC boundaries encompass contaminant plumes or else indicate the need for possible additional actions should groundwater monitoring results indicate that contaminant migration is occurring or soon will occur outside of the identified IC boundaries.

2.14.2 Remedy for Site LF-11: ICs

The selected remedy for Site LF-11 consists of implementing ICs and recontouring of the existing landfill cover to address the potential of human exposure to landfill waste in trenches present at Site LF-11. The following supporting actions (which are collectively "performance measures") will accomplish the RAO and be documented in an ICs Management Plan:

(1) Documenting the location of the waste trenches and associated IC boundaries within the Base General Plan. Figure 2-9 presents the anticipated boundaries to be presented in the Base General Plan. Documenting the need to obtain a waiver through the ERP Manager from Headquarters Air Combat Command, Environmental Restoration Office (HQ ACC/CEVR) prior to performing construction activities at the site.

(2) Documenting the need to obtain an Air Force Form 103, Digging Permit, from Civil Engineering or other appropriate office prior to installing utilities or other soil disturbance of any kind.

(3) Documenting the requirement to immediately repair (within 30 days) damage to the protective soil cover resulting from land surface or subsurface activity.

(4) Implementing controls that manage surface water runoff to minimize erosion of the protective soil cover and minimize infiltration.

ICs will be established around the waste trenches and documented in the Base General Plan. The duration of ICs for Site LF-11,pertinent to potential exposure to wastes, will be unlimited as long as waste is present at the Site. ICs shall not be modified, deleted, or terminated and land use inconsistent with the IC objectives, shall not be approved without consulting with the MDNR.

2.14.3 Additional Performance Measures to Maintain, Monitor, and Report on ICs for Sites FT-02, LF-11, LF-12, and SS-44

The Air Force will take the following actions and performance measures designed to confirm the appropriateness of the implementing actions, maintain the use restrictions and ICs herein to continue to protect human health and the environment, and provide appropriate information to MDNR on remedy status for the sites subject to restrictions as described herein:

(1) Annual Evaluations/Monitoring—Compliance with and effectiveness of the use restrictions and controls will be evaluated by the Air Force and MDNR on an annual basis until the first Five-Year Review. The evaluation will address whether the use restrictions and controls described above were communicated in the Base General Plan, whether the affected state and local agencies were notified of the controls affecting the property, and whether use of the property has conformed to such controls.

***(2) Reporting Results of Monitoring*—**The monitoring results will be included in a separate report or as a section of another environmental report, if appropriate, and provided to MDNR on an annual basis for five (5) years unless the timing is mutually adjusted based on monitoring results or changes in risk or potential risk at the sites.

The monitoring reports will be used in preparation of the Five-Year Review to evaluate the effectiveness of the remedy. The Five-Year Review Report will make recommendations on the continuation, modification, or elimination of annual groundwater monitoring reports and IC monitoring frequency. The Five-Year Review Report will be submitted to MDNR for review and comment.

***(3) Response to Violations*—**Violations of control which result in an exposure to levels of contamination that the controls were intended to prevent (i.e., above remediation goals), or discovery of an activity inconsistent with RAOs or use restrictions here, will be reported to MDNR and local regulators promptly (within 30 days). Violations that breach federal, state, or local criminal or civil law will be reported to the appropriate civil authorities.

***(4) Enforcement*—**Activity that is inconsistent with the IC objectives or use restrictions, or other action that may interfere with the effectiveness of the ICs will be addressed by the Air Force as soon as practicable after the Air Force becomes aware of the violation. The Air Force will notify MDNR regarding how the Air Force has addressed or will address the breach as soon as practicable, but no later than 30 days after sending MDNR notification of the breach as stated in paragraph 3 above. Actions to correct activities inconsistent with IC objectives or use restrictions should be designed to maintain the same level of protectiveness of human health and the environment as the measures outlined in this ROD.

***(5) Notification of Land Use Modification*—**The Air Force will notify MDNR for proposals for a land use change or activities (e.g., excavation) at a site inconsistent with the use restrictions and assumptions described in the ROD. Any such land use change must be documented in a technical amendment titled, *Explanation of Significant Difference*, or ROD amendment under Section 300.435 of the NCP for this ROD.

Documents created for the purpose of carrying out the groundwater monitoring program, as well as data gathered or reports generated as part of the groundwater monitoring program, will be promptly shared with MDNR. If the data show inconsistency with the assumptions described herein such that there is a risk to human health and the environment, the Air Force will comply with necessary requirements for considering changes to a remedy under Section 300.435 of the NCP (including MDNR and USEPA concurrence as outlined in that section).

The Air Force may arrange for third parties or other entities to perform any and all of the above actions. Any such arrangement shall be undertaken and executed in accordance with all applicable legal requirements, to include the Air Force's functions, obligations, and responsibilities under CERCLA.

2.14.4 Five-Year Review

Because the selected remedies will result in hazardous substances, pollutants, or contaminants remaining on these sites above levels that allow for unlimited use and unrestricted exposure, and in accordance with CERCLA §121(c) and NCP

§300.430(f)(5)(iii)(C), a statutory review will be conducted within 5 years after initiation of remedial action to ensure that the remedies remain protective of human health and the environment.

2.15 Statutory Determinations

The selected remedies are protective of human health and the environment, comply with Federal and State requirements that are applicable or relevant and appropriate to the remedial action, and are cost-effective. The selected remedies at Sites FT-02, LF-11, LF-12, and SS-44 provide the best balance between cost and effectiveness.

Because these remedies will result in contaminants remaining onsite above levels that will allow for unlimited use and unrestricted exposures, a statutory review will be conducted within five (5) years after initiation of remedial action, and at a minimum frequency of once every five (5) years thereafter to ensure that the ICs (and the land use assumptions that the ICs are based on) are, and will remain, protective of human health and the environment until remediation goals for soil and groundwater are achieved.

2.16 Documentation of Significant Changes

The only significant change in this ROD from that presented in the Proposed Plan, is the elimination of groundwater monitoring at Site LF-11. Monitoring of groundwater conditions using the three existing downgradient monitoring wells was originally proposed to support the selected remedy at Site LF-11. However, subsequent discussions between the Air Force and the MDNR determined that groundwater monitoring was not a necessary component of the proposed remedy based on the following:

- Historical groundwater results from the existing three wells showed that constituents identified in groundwater have consistently remained below relevant MCLs.
- Recent soil and groundwater results show that the clay soil surrounding the waste material has sufficiently limited transport of contaminants observed in the waste trenches at Site LF-11.

Figure 2-1
Base Location Map
Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig11.dlv

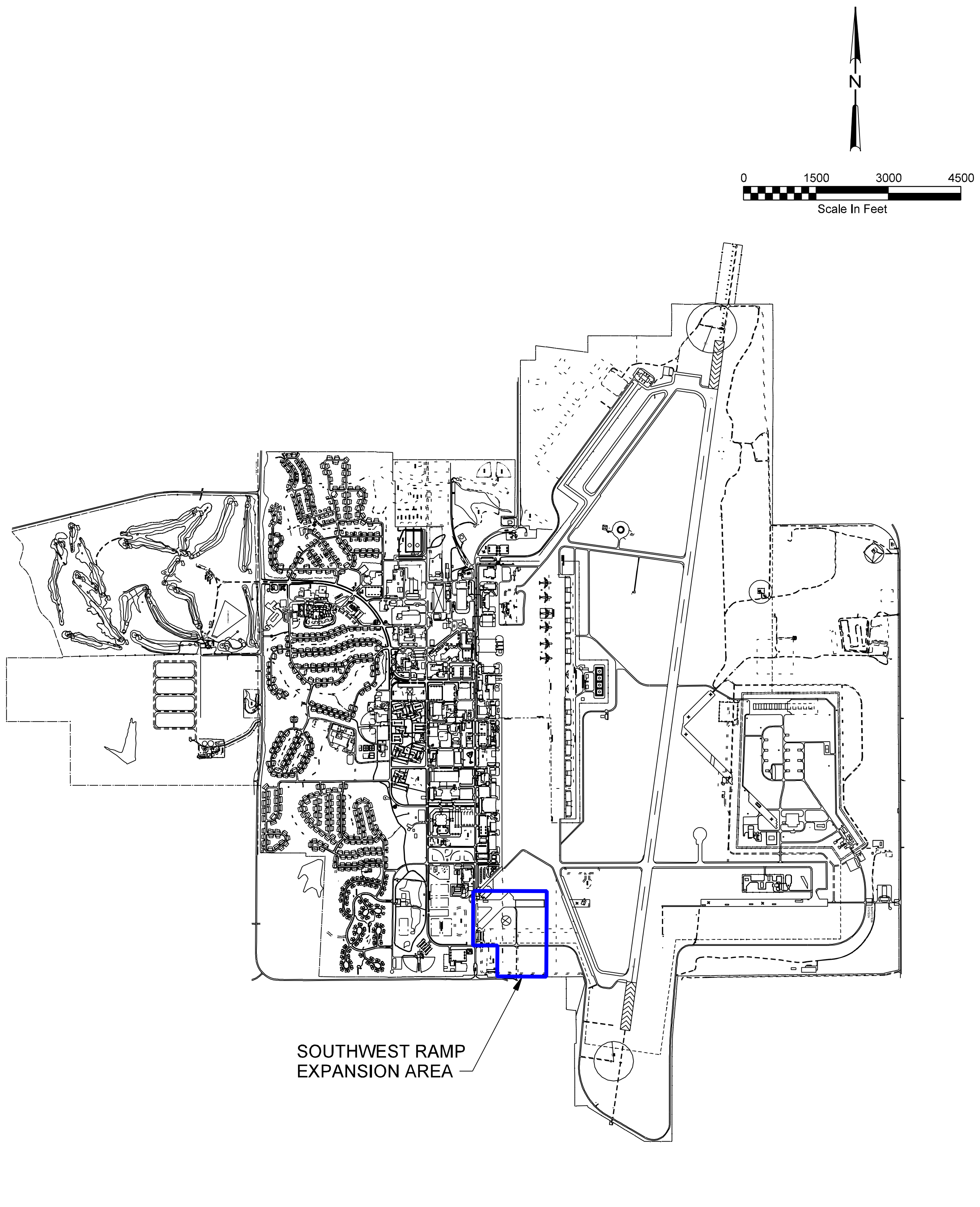


Figure 2-2
Site Location Map
Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig12.dlv

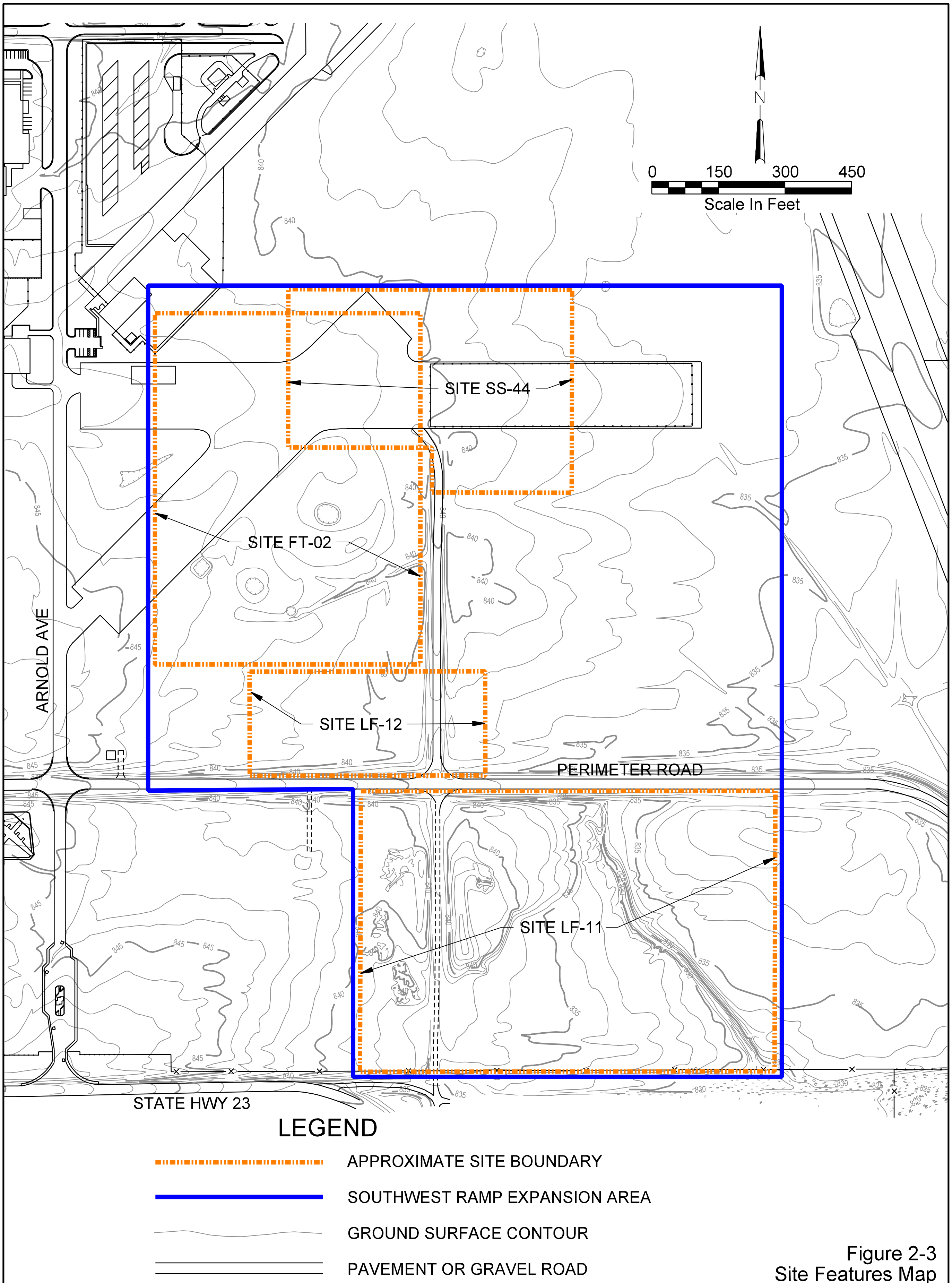


Figure 2-3
Site Features Map
Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig30.dlv

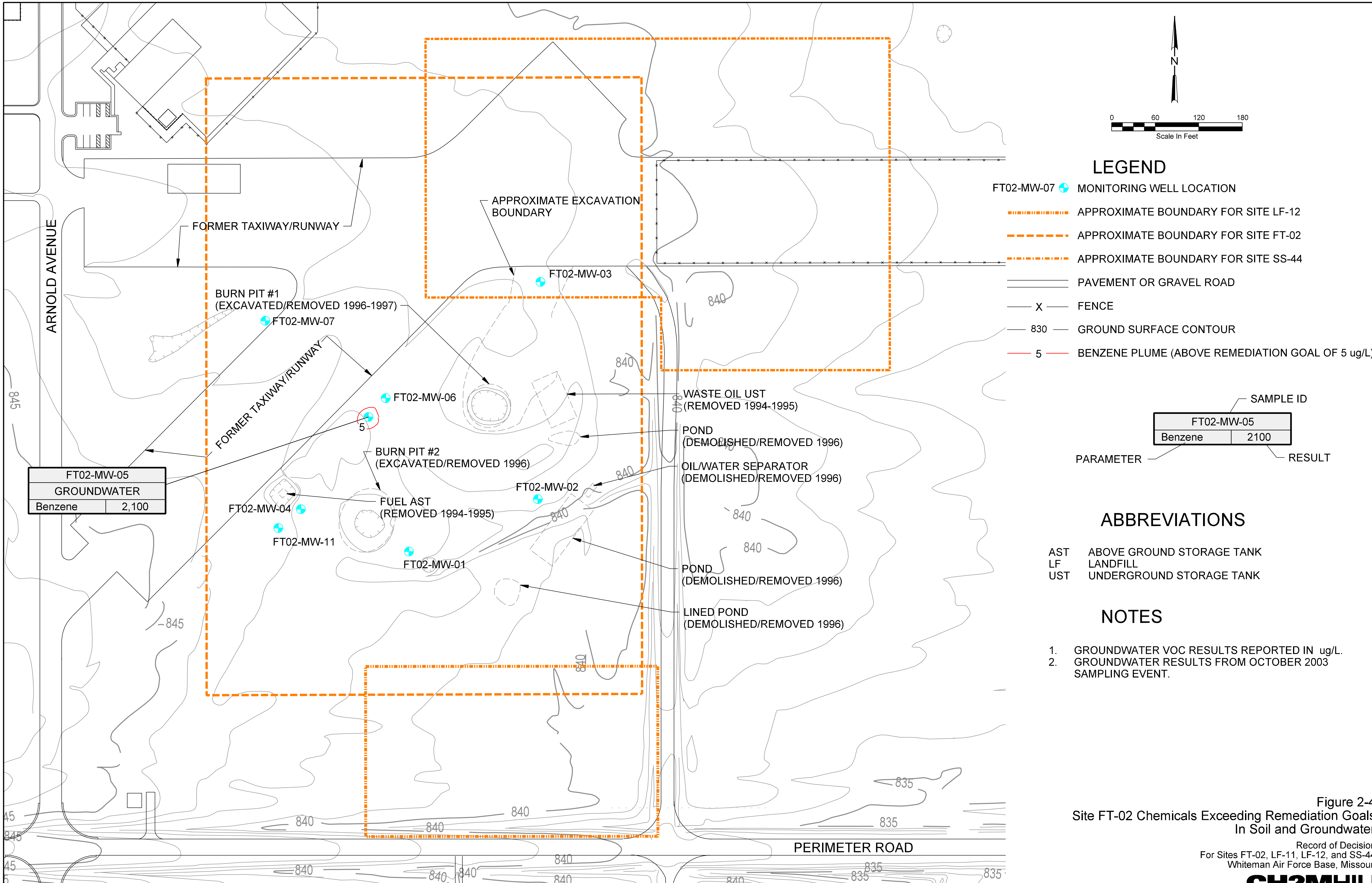
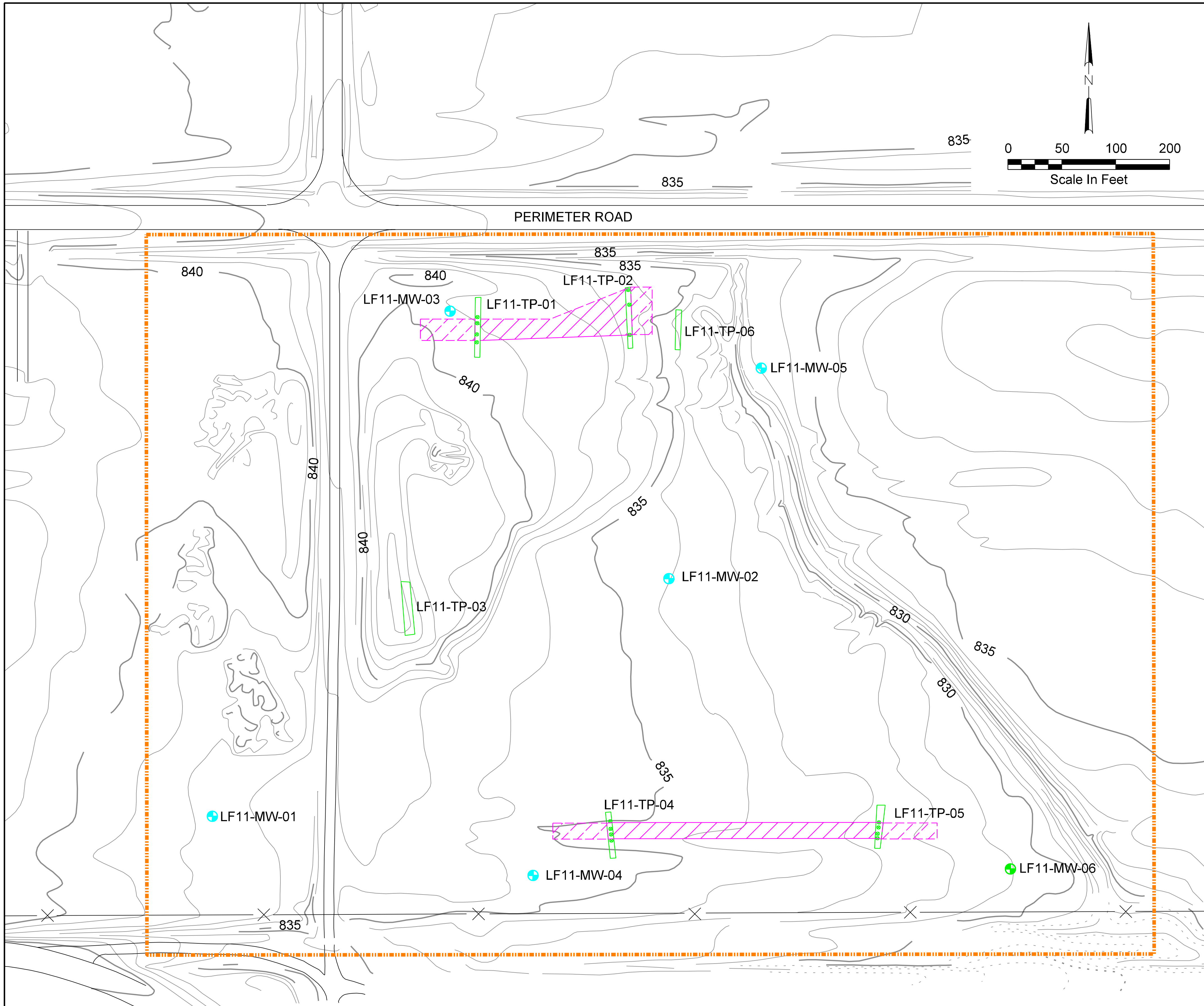


Figure 2-4
Site FT-02 Chemicals Exceeding Remediation Goals
In Soil and Groundwater

Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

185501fig32.dlv



NOTES

1. LF11-MW-01 RISER DAMAGED, COULD NOT SAMPLE.
2. CHEMICALS WERE NOT DETECTED ABOVE REMEDIATION GOALS

ABBREVIATIONS

LF	LANDFILL
RI	REMEDIAL INVESTIGATION
TP	TEST PIT

LEGEND

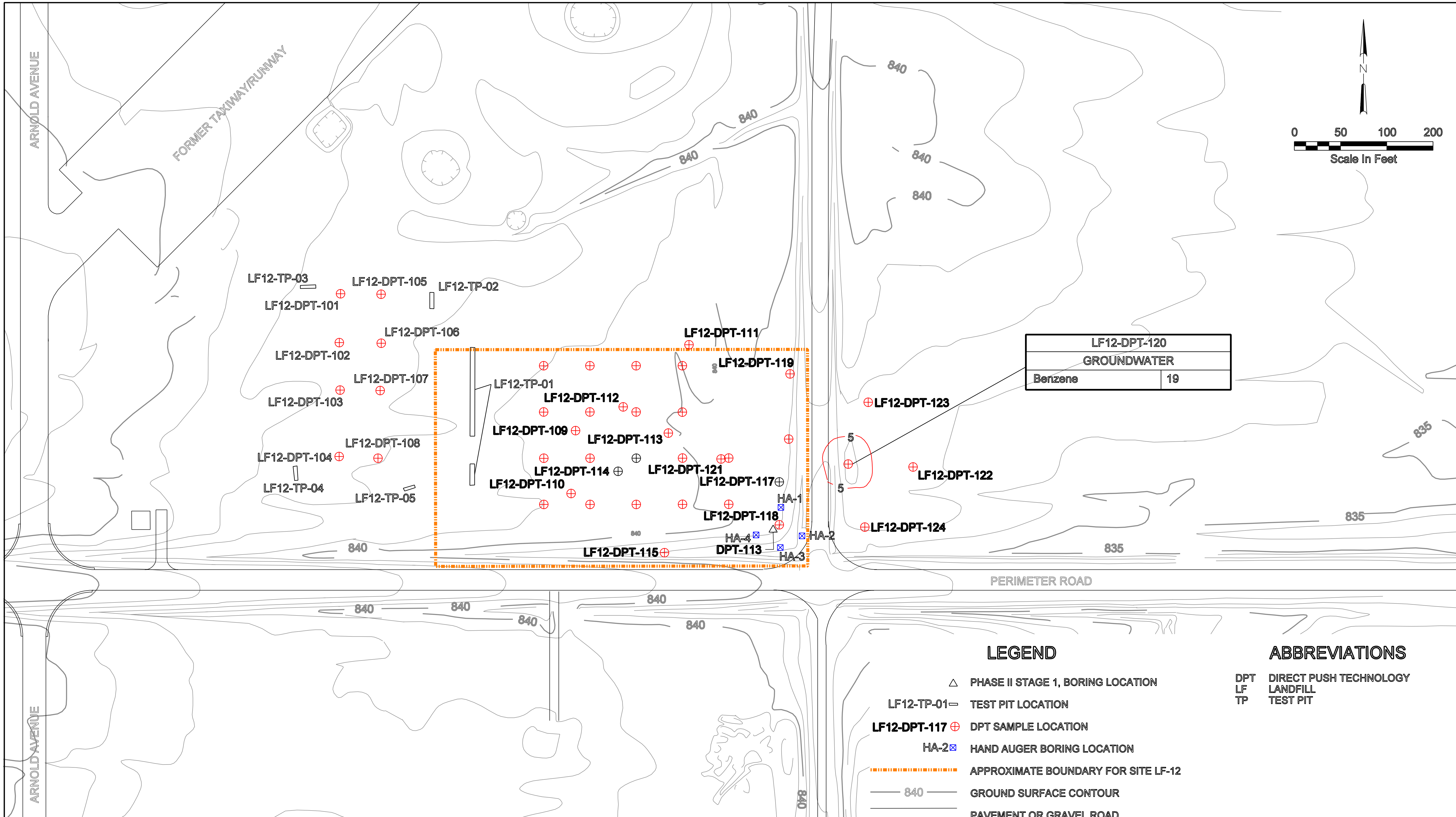
LF11-MW-02	MONITORING WELL LOCATION
	SOIL/WASTE GRAB SAMPLE LOCATION
LF11-TP-06	TEST PIT LOCATION
	WASTE MATERIAL
	INFERRED EXTENT OF WASTE MATERIAL
	APPROXIMATE SITE BOUNDARY FOR SITE LF-11
830	GROUND SURFACE CONTOUR
	FENCE

Figure 2-5
Site LF-11 Chemicals Exceeding Remediation Goals
In Soil and Groundwater

Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig31.dlv



SAMPLE ID — LF12-TP-05

SAMPLE MEDIA — GROUNDWATER

PARAMETER: Benzene	RESULT: 19

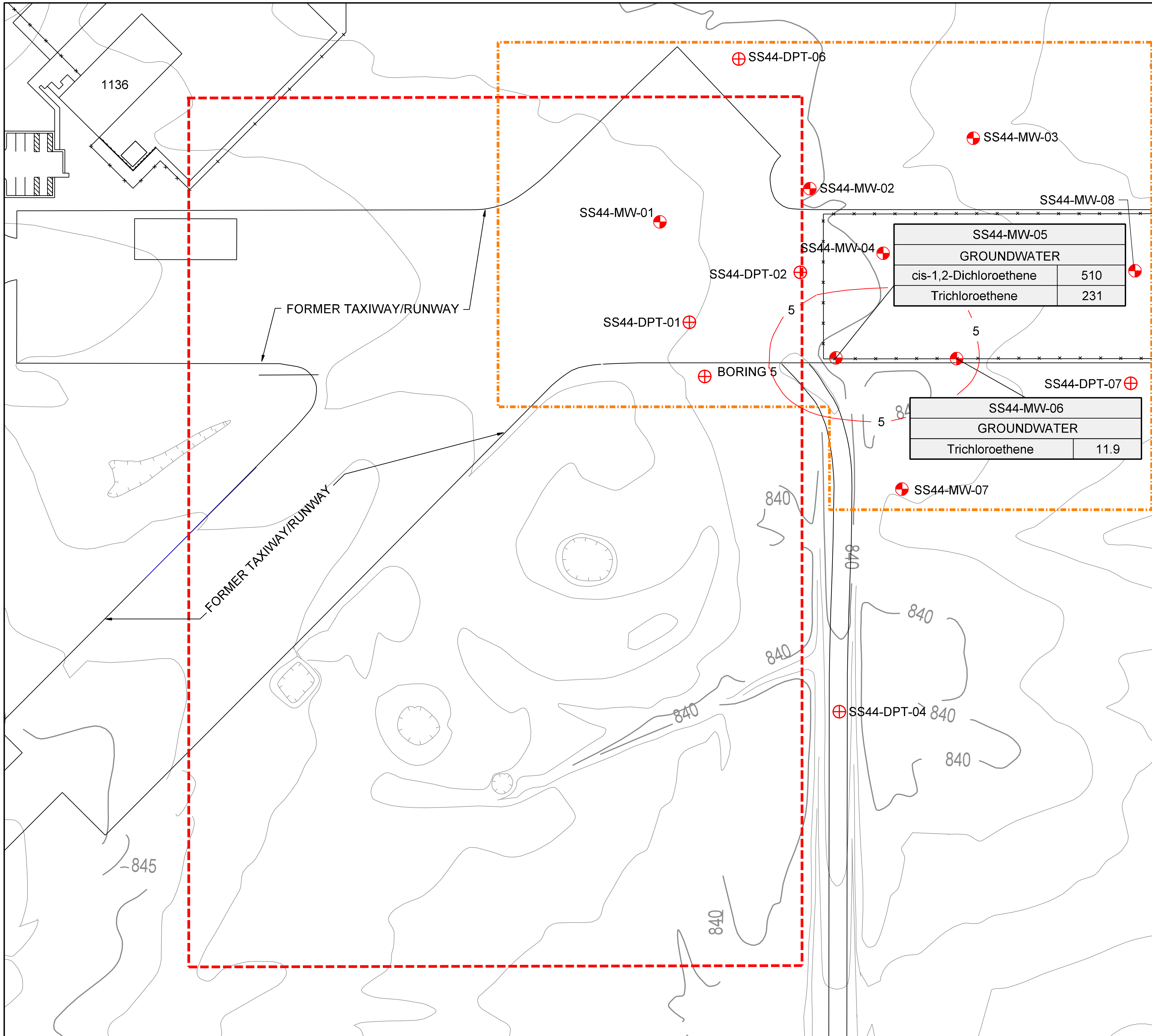
NOTES

1. GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN ug/L

Figure 2-6
Site LF-12 Chemicals Exceeding Remediation Goals In Soil and Groundwater
Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig33.dlv



0 50 100 150
Scale In Feet
N

LEGEND

—X—	FENCE
	PAVEMENT OR GRAVEL
3310	BUILDING AND BUILDING NUMBER
	APPROXIMATE BOUNDARY FOR SITE FT-02
	APPROXIMATE BOUNDARY FOR SITE SS-44
—5—	TCE PLUME (ABOVE REMEDIATION GOAL OF 5 ug/L)
—840—	CONTOUR
SS44-MW-04	MONITORING WELL LOCATION
SS44-DPT-07	DPT BORING LOCATION

SAMPLE LOCATION

SS44-MW-06	
Trichloroethene	11.9

PARAMETER RESULT

NOTES

1. GROUNDWATER ANALYTICAL RESULTS REPORTED IN ug/L.

ABBREVIATIONS

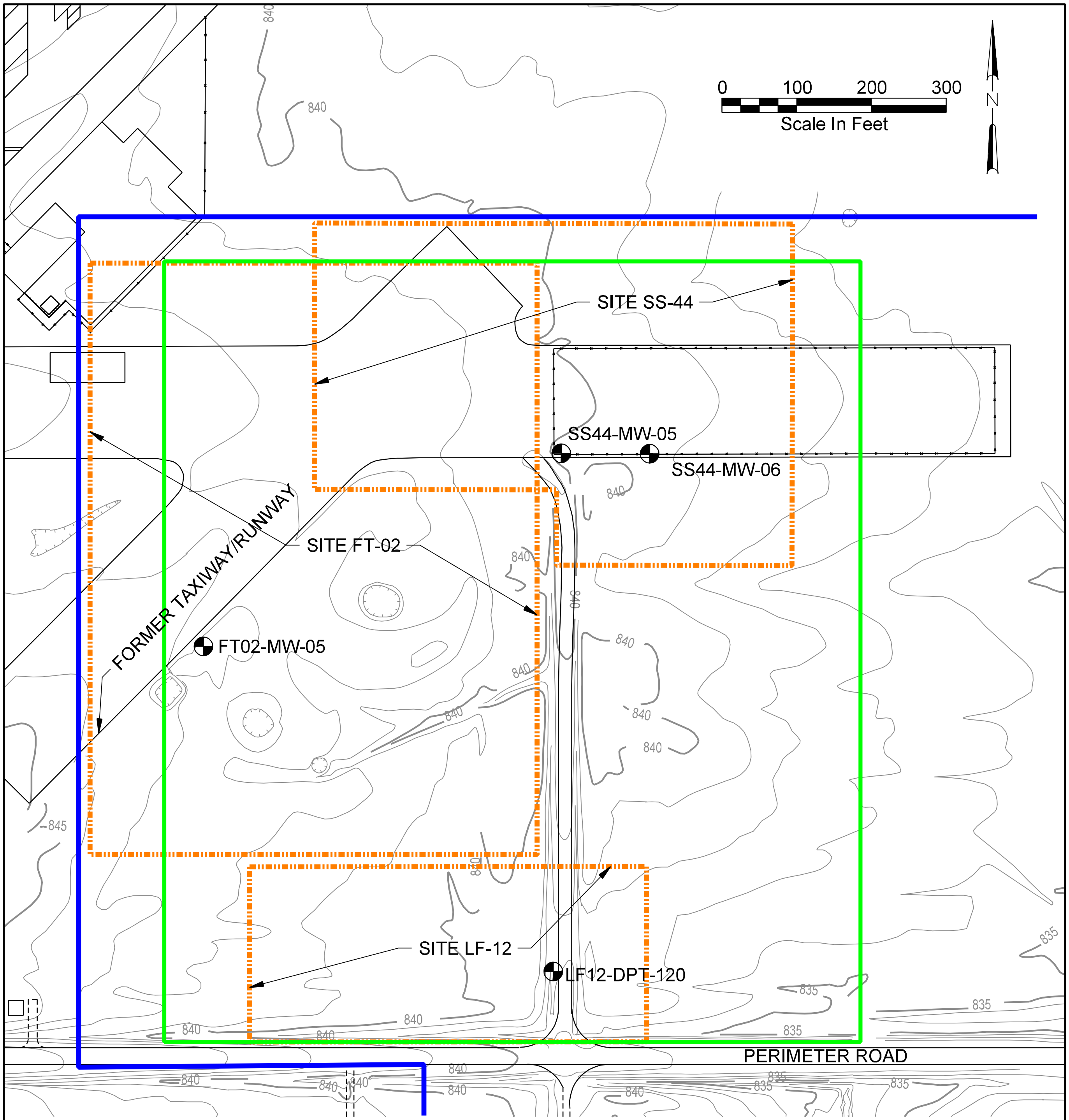
DPT DIRECT PUSH TECHNOLOGY

Figure 2-7
Site SS-44 Chemicals Exceeding Remediation Goals
In Soil and Groundwater Samples

Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig34.dlv



LEGEND

- APPROXIMATE SITE BOUNDARY
- SOUTHWEST RAMP EXPANSION AREA
- GROUND SURFACE CONTOUR
- PAVEMENT OR GRAVEL ROAD
- FENCE
- SS44-MW-06 EXISTING SAMPLING LOCATION WITH CHEMICALS EXCEEDING REMEDIATION GOALS
- INSTITUTIONAL CONTROL BOUNDARY FOR GROUNDWATER

ABBREVIATIONS

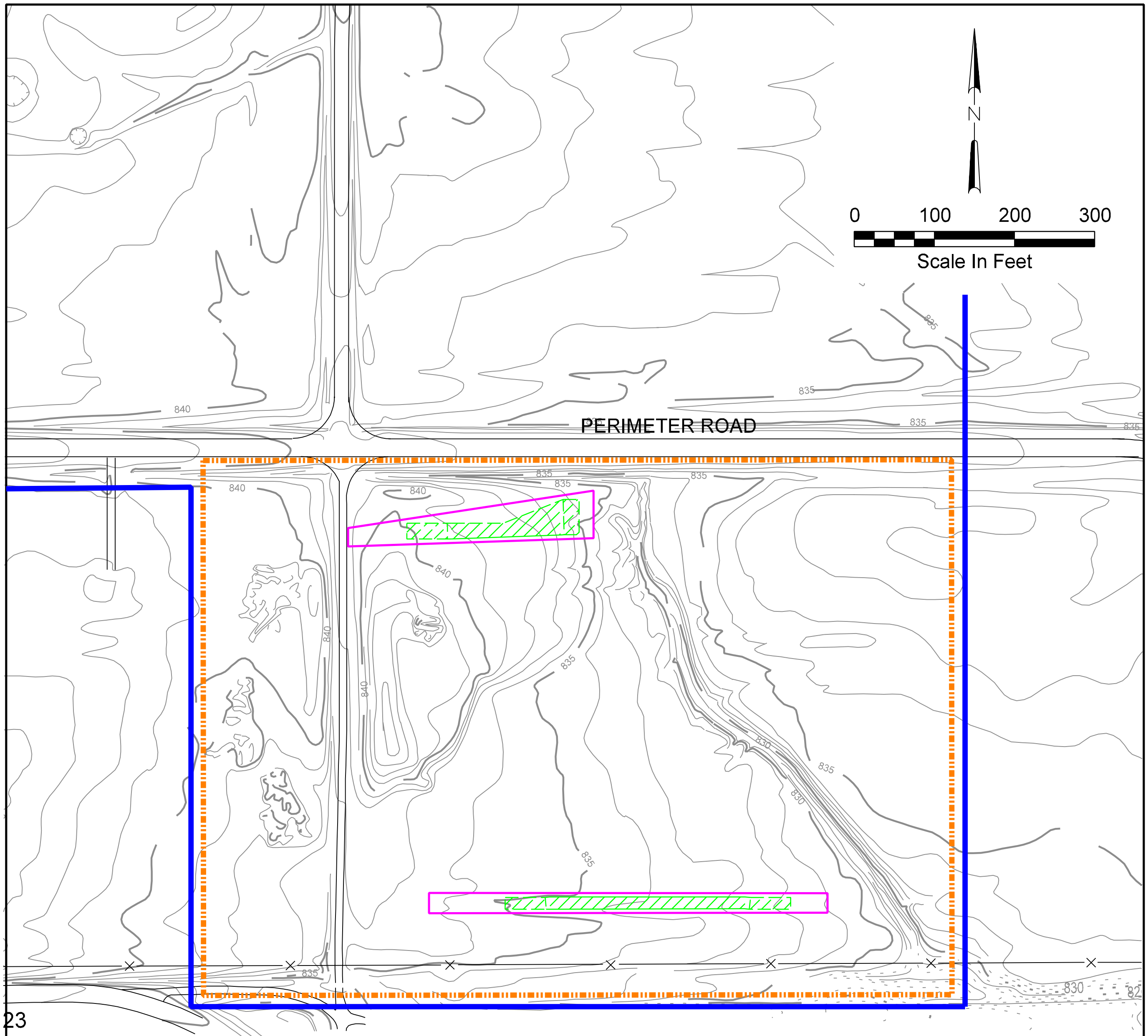
DPT DIRECT PUSH TECHNOLOGY
MW MONITORING WELL

Figure 2-8
Institutional Control Boundary
For Sites FT-02, LF-12 and SS-44

Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig17.dlv



LEGEND

	APPROXIMATE BOUNDARY FOR SITE LF-11
830	GROUND SURFACE CONTOUR
	PAVEMENT OR GRAVEL ROAD
	FENCE
	INFERRED LIMITS OF WASTE TRENCH
	LIMITS OF WASTE TRENCH
	WASTE TRENCH INSTITUTIONAL CONTROL BOUNDARY
	SOUTHWEST RAMP EXPANSION AREA

ABBREVIATIONS

LF LANDFILL

Figure 2-9
Presumptive Remedy For Site LF-11 Waste Trenches
Record of Decision
For Sites FT-02, LF-11, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

185501fig36.dlv

3. Responsiveness Summary

Regulations under CERCLA require public participation to occur before and at the completion of the ROD (e.g., 40 CFR § 300.430[f][3]; see also, *Community Relations Superfund: A Handbook* [USEPA 1992]). To meet these obligations, Air Force and MDNR regularly provide the community with information regarding the cleanup of sites at Whiteman AFB through periodic meetings of the Restoration Advisory Board (RAB). In addition, the Air Force provides a public Information Repository, meeting announcements, fact sheets, and public notices published in the local newspapers.

Published ERP reports are made available to the public at the Information Repository located in Warrensburg, Missouri, at the Central Missouri State University Library Government Documents Room. The Whiteman AFB ERP Manager is responsible for maintaining the repositories and ensuring that documents are added to the information file as work continues at the site.

A public comment period for the Proposed Plan, which corresponds to this ROD began on April 13, 2004, and ended on May 13, 2004. The Proposed Plan was mailed directly to the Whiteman AFB RAB mailing list for public review. A public notice summarizing the Proposed Plan and announced the public comment period and associated public availability session, was also printed in local newspapers.

The public comment period for the Proposed Plan began on April 13, 2004, and ended on May 13, 2004. There were no comments received on the Proposed Plan. The public availability session regarding the Proposed Plan was held on May 5, 2004, and no comments relating to the Proposed Plan were received from the audience.

3.1 Stakeholder Comments and Lead Agency Responses

None.

3.2 Technical and Legal Issues

None.

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Appendix A

Applicable or Relevant and Appropriate Requirements

APPENDIX A

Applicable or Relevant and Appropriate Requirements

The statutes and regulations listed in Table A-1 contain requirements deemed to be potential ARARs at Whiteman AFB. The potential ARARs are evaluated relative to whether they are ARARs for Sites FT-02, LF-11, LF-12, and SS-44.

TABLE A-1
Applicable or Relevant and Appropriate Requirements
Record of Decision—Sites FT-02, LF-11, LF-12, and SS-44

Requirement	Requirement Synopsis
Location-Specific ARARs	
Federal	
Clean Water Act (33 U.S.C. 1251 *et seq.*)	The Clean Water Act (CWA), passed in 1977, is a major amendment of the original 1972 Federal Water Pollution Control Act. Its chief purpose is to restore and maintain surface water quality by controlling discharges of chemicals (priority toxic pollutants) to surface water. The CWA is closely linked to CERCLA. The 126 priority toxic pollutants are CERCLA hazardous substances. Direct and indirect discharges of priority pollutants to surface water are regulated through NPDES. The NPDES program also includes ambient water quality standards and antidegradation policy standards. This act is considered an ARAR for remedies involving construction activities that have the potential to affect surface water, such as excavation. However, surface water bodies should remain unaffected by activities at these sites due to the distance between water bodies and the SREA.
State	
Missouri Clean Water Law (Sect. 644 RSMo)	The Missouri Clean Water Law was enacted in 1986. Under Title 10, Division 20 of the CSR, the law established a water contaminant control agency known as the Missouri Clean Water Commission. The state policy is consistent with the federal policy: to conserve the waters of the state and to protect, maintain, and improve the quality of the waters of the state. The commission carries out the policy through the MDNR, Water Protection and Soil Conservation Division. Standards for discharge of pollutants to state waters are set forth consistent with the CWA. This act is considered an ARAR for remedies involving construction activities that have the potential to affect surface water, such as excavation. However, surface water bodies should remain unaffected by activities at these sites due to the distance between water bodies and the SREA.

TABLE A-1
Applicable or Relevant and Appropriate Requirements
Record of Decision—Sites FT-02, LF-11, LF-12, and SS-44

Requirement	Requirement Synopsis
Action-Specific ARARs	
Federal	
Hazardous Materials Transportation Act (49 U.S.C. 1801 et seq.)	The Hazardous Materials Transportation Act provides regulations governing the transportation of hazardous materials and hazardous waste. The regulations include recordkeeping and reporting requirements; labeling and packaging requirements; and detailed handling requirements for each mode of transport (rail, air, waterway, or road). Remedial alternatives involving transport of hazardous materials are not anticipated for the sites. If contaminated soils or wastes are excavated for offsite disposal, the waste would be tested for hazardous waste characteristics, and if soil or waste is found to be hazardous waste, the requirements of this act would be followed.
Resource Conservation and Recovery Act (RCRA) (42 U.S.C. 321 et seq.)	RCRA was passed in 1976. It amended the Solid Waste Disposal Act by including provisions for hazardous waste management. The goals of RCRA are to promote conservation of natural resources while protecting human health and the environment. The statute sets out to control the management of hazardous waste from inception to ultimate disposal. RCRA is also linked closely with CERCLA, and the CERCLA list of hazardous substances includes RCRA hazardous wastes. The act applies only to remedies that generate hazardous waste. The results of the RI indicate that the soil at the site would not be classified as hazardous; thus, the act is not considered pertinent to the proposed remedies. Contaminated soils or wastes that are excavated for offsite disposal would, however, be tested for hazardous waste characteristics, and if soil or waste is found to be hazardous waste, the requirements of this act would be followed.
Occupational Safety and Health Act (29 U.S.C. 61 et seq.)	The Occupational Safety and Health Act was passed in 1970 to ensure worker safety on the job. The U.S. Department of Labor oversees the act. Worker safety at hazardous waste sites is specifically addressed under 29 CFR 1910. 120: Hazardous Waste Operations and Emergency Response; general worker safety is covered elsewhere within the law. This act is considered an ARAR for construction activities performed during the implementation of remedies.
Clean Air Act (42 U.S.C. 7401 et seq.)	The Clean Air Act is intended to protect the quality of air and promote public health. Title I of the act directed the USEPA to publish national ambient air quality standards for "criteria pollutants." In addition, USEPA has provided national emission standards for hazardous air pollutants under Title III of the Clean Air Act. Hazardous air pollutants are also designated hazardous substances under CERCLA. The CAA amendments of 1990 greatly expanded the role of National Emission Standards for Hazardous Air Pollutants by designating 179 new hazardous air pollutants and directed USEPA to attain maximum achievable control technology standards for emission sources. Such emission standards are potential ARARs if selected remedial technologies (such as incinerators or air strippers) produce air emissions of regulated hazardous air pollutants. This act is considered an ARAR for remedies that involve creation of air emissions, such as excavation activities that might create dust.

TABLE A-1
Applicable or Relevant and Appropriate Requirements
Record of Decision—Sites FT-02, LF-11, LF-12, and SS-44

Requirement	Requirement Synopsis
State	
Missouri Water Well Drillers Act (Sect. 256.600 RSMo)	This law, passed in 1994, is administered by the State Geological Survey and Resource Assessment Division. It provides standards for subsurface drilling, including construction of test holes and water and monitoring wells. The law also stipulates methods for abandoning wells and boreholes and sets permit fees for owners and standards for contractors who undertake such work. This act applies only to remedies involving drilling or installation of monitoring wells such as long term monitoring.
Missouri Solid Waste Management Law (Sect. 260.200 RSMo)	The Missouri Solid Waste Management Law was promulgated in 1986. In it, the MDNR was authorized to administer the state Solid Waste Management Program. The program establishes permit requirements for landfill operations and sets standards for the disposal of nonhazardous waste in landfills. The regulations recognize a waste category called “special waste” that, though nonhazardous, may require special handling. This law applies only to remedies that involve offsite disposal of materials typically involved with excavations; therefore, it is not applicable. The relevancy and appropriateness of specific requirements of the administrative code for closure of demolition landfills are discussed in detail below.
Missouri Solid Waste Code of State Regulations (Chapter 2 General Provisions, 10 CSR 80-2.030 (2), Solid Waste Disposal Area Closure, Closure of Unpermitted Facilities and Open Dumps)	This rule states that owners of unpermitted solid waste disposal facilities and open dumps must take actions necessary to comply with the solid waste disposal requirements of this section. Such actions may include removing unlawfully disposed solid waste, compacting or covering solid waste with soil, or both, and officially recording the existence of the area with the county recorder of deeds. These rules are applicable to owners that violated Missouri Statutes RSMo 260.205.1 and 260.210.1 by not obtaining a permit or dumping solid wastes outside a permitted facility. They are not applicable to Sites LF-11 and LF-12 because permits were not required at the time of disposal. They are not considered relevant and appropriate because either they are not definitive in nature or other rules such as the voluntary cleanup program (Section 260.565-260.575 RSMo) are appropriate to the situation at Sites LF-11 and LF-12.
Missouri Hazardous Waste Management Law (Sect. 260.365 RSMo)	This law was promulgated in 1986 and established standards and rules governing the management of hazardous waste consistent with federal RCRA requirements. The program is supervised and administered by the MDNR through the Hazardous Waste Program, Air and Land Protection Division. If contaminated soils or wastes are excavated for offsite disposal, the material would be tested for hazardous waste characteristics and, if soil or waste is found to be hazardous waste, the requirements of this act would be followed.
Missouri Air Conservation Law	The Air Conservation Law in its present form was passed in 1986. It assigned the Missouri Air Conservation Commission to the authority of the MDNR, Air and Land Protection Division. This law is considered an ARAR for remedies that involve creation of air emissions, such as excavation activities that have the potential to create dust.

TABLE A-1
Applicable or Relevant and Appropriate Requirements
Record of Decision—Sites FT-02, LF-11, LF-12, and SS-44

Requirement	Requirement Synopsis
Missouri Solid Waste Code of State Regulations (Chapter 4 Demolition Landfill, 10 CSR 80-4.010 Design and Operation, 10 CSR 80-4.010 (17) Cover)	These rules specify requirements for design and operation of permitted demolition landfills. Section 10 CSR 80-4.010 (17) specifies the requirements for covers of demolition landfills as "Cover shall be applied to minimize fire hazards, infiltration of precipitation, odors and blowing liter; control gas venting and vectors; discourage scavenging; and provide a pleasing appearance." The rule describes the final cover for existing demolition landfills without composite liners as consisting of at least 2 feet of clay (1×10^{-5} cm/sec permeability) and at least 1 foot of uncompacted soil (10 CSR 80-4.0101 (17)(C) 2.A.). This rule is not applicable to Site LF-11 because the landfills were not permitted (i.e., disposal occurred prior to the law requiring permits). The rule is considered relevant because it addresses demolition landfills and Site LF-11 is composed mainly of demolition wastes. The appropriateness of specific requirements must be judged according to the eight NCP criteria (40 CFR 300.400 (g)(2)) of which the first criterion, "the purpose of the requirement," is most important for the situation at the landfills. The purpose of demolition of the landfill cover, as described above, is evaluated relative to Site LF-11 as follows: • Minimize fire hazards—Fire hazards are not present because most of the waste is covered and only inert wastes such as concrete and bricks are visible. • Minimize infiltration of precipitation—Groundwater contamination above groundwater target concentrations is not present at Site LF-11. In addition, sufficient years have passed since the operation of the landfills to have resulted in groundwater contamination if leachable contaminants were present in the landfill contents, there is no significant need to reduce infiltration through the demolition wastes. • Minimize odors and blowing liter—No odors or litter are present at either landfill. • Control gas venting and vectors—Gas is not present, and there is no reason to suspect that gas will occur in the future because wastes are believed to be essentially inert. Vectors such as rats have not been observed, but future site maintenance will include routine inspection and vector control if necessary. • Discourage scavenging—Because the landfills are on a controlled military base, scavenging has not been a problem. Hazards to trespassers such as exposed metal, trip hazards and rough uneven surfaces from exposed rubble are present in isolated areas of the landfills and may be remediated to minimize hazards. • Provide a pleasing appearance—In general, the landfills are vegetated with grasses and trees and are aesthetically pleasing in appearance. Specific areas with exposed rubble may be remediated as necessary to provide a pleasing appearance. As a result, the requirements for a 3-foot-thick cover in 10 CSR 80-4.010 (17) is not considered appropriate to the specific circumstances at Site LF-11.

TABLE A-1
Applicable or Relevant and Appropriate Requirements
Record of Decision—Sites FT-02, LF-11, LF-12, and SS-44

Requirement	Requirement Synopsis
Chemical-Specific ARARs	
Federal	
Federal Safe Drinking Water Act (40 U.S.C. 300 *et seq*.)	The Safe Drinking Water Act promulgated in 1974 is intended to protect human health by controlling contaminants that can occur in drinking water. It is an amendment of the original Public Health Service Act. Through the act, the USEPA developed chemical concentration limits and management standards for public drinking water supplies known as maximum contaminant levels (MCLs) and MCL goals. The drinking water standards are considered potential ARARs for current or potential useable aquifers.
Clean Water Act (33 U.S.C. 1251 et seq.)	The Clean Water Act was passed in 1977. It is a major amendment of the original 1972 Federal Water Pollution Control Act. Its chief purpose is to restore and maintain surface water quality by controlling discharges of chemicals (priority toxic pollutants) to surface water. The act is closely linked to CERCLA: the 126 priority toxic pollutants under the act are CERCLA hazardous substances. Direct and indirect discharges of priority pollutants to surface water are regulated through NPDES. The NPDES program also includes ambient water quality standards and antidegradation policy standards. This act is considered an ARAR for remedies involving construction activities that have the potential to affect surface water, such as excavation.
State	
Missouri Safe Drinking Water Act (Sect. 640.100 RSMo)	The Missouri Safe Drinking Water Act was passed in 1979, although its authority dates back to 1939. It is implemented by the MDNR's Water Protection and Soil Conservation Division as the Public Drinking Water Program. The law parallels its federal equivalent and stipulates maximum and secondary contaminant levels and monitoring requirements for public drinking water systems. The drinking water standards are considered potential ARARs for current or potential useable aquifers.
Voluntary Cleanup Law (Sect. 260 RSMo)	Effective September 1, 2001, the MDNR has issued the guidance document *Cleanup Levels for Missouri.* This guidance document was developed for the Missouri's Voluntary Cleanup Program and outlines a process for determining risk-based soil cleanup levels at sites impacted with hazardous substances. This guidance document has been accepted by all MDNR sections and can be used for sites not in the Voluntary Cleanup Program. The guidance document is relevant and provides a tool for developing cleanup levels under the USAF Environmental Restoration Program.

CFR—Code of Federal Regulations CSF—Code of State Regulations

Appendix B
Cost Estimates for Monitoring, Sites FT-02, LF-12, and SF-44

Appendix B
Cost Estimate for Closure
Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

Estimators: Jeff Haberl
Date: 06/07/04

	Item Description	Units	Qty	Unit Cost ($)	Total Cost ($)	Task Subtotal ($)
CAPITAL COSTS						
1.0	*Institutional Controls*					
1.1	**Whiteman AFB Personnel**					
1.1.1	Labor	LS	1	5,000.00	5,000	
1.1.2	Contracting	HR	100	70.00	7,000	
						12,000
2.0	*MONITORING WELL INSTALLATION*					
2.1	**Labor and Travel**					
2.1.1	Labor	HR	36	85.00	3,060	
2.1.2	Travel	EA	2	183.00	366	
2.1.3	Equipment	EA	2	100.00	200	
						3,626
2.2	**Subsurface Drilling**					
2.2.1	Driller Mobilization/Demobilization	EA	1	975.00	975	
2.2.2	Hollow Stem Auger Including Decontamination	FT	90	18.00	1,620	
2.2.3	Monitoring Well Installation	FT	90	13.00	1,170	
2.2.4	Protective Well Cover with Pad	EA	3	195.00	585	
2.2.5	Steel Bumper Posts	EA	6	80.00	480	
2.2.6	MDNR Well Registration	EA	3	75.00	225	
2.2.7	55-Gallon Drums for Soil Cuttings Generated During Well Installation	EA	9	40.00	360	
2.2.8	55-Gallon Drums for Groundwater Generated During Well Development	EA	2	40.00	80	
2.2.9	Management of Investigation Derived Waste	EA	11	15.00	165	
						5,660
2.3	**Disposal of Investigation-Derived Waste**					
2.3.1	Analytical Chemistry—Water	EA	1	700.00	700	
2.3.2	Analytical Chemistry - Soil	EA	1	700.00	700	
2.3.3	Waste Profiling and Sampling	LS	1	2,900.00	2,900	
2.3.4	Waste Transport and Disposal - Soil	EA	9	100.00	900	
2.3.5	Waste Transport and Disposal—Water (Nonhazardous)	EA	2	200.00	400	
						5,600
2.4	**Survey of Monitoring Wells**					
2.4.1	Survey	LS	1	1,600.00	1,600	
						1,600
	SUBTOTAL					28,486
	CONTINGENCY (20% of SUBTOTAL) & PROJECT MANAGEMENT (10% OF SUBTOTAL)					8,546
	TOTAL CAPITAL COSTS					**37,032**

Appendix B
Cost Estimate for Closure
Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

Estimators: Jeff Haberl
Date: 06/07/04

	Item Description	Units	Qty	Unit Cost ($)	Total Cost ($)	Task Subtotal ($)
OPERATION AND MAINTENANCE COSTS						
3.0	*ANNUAL GROUNDWATER MONITORING AND REPORTING UNTIL FIVE-YEAR REVIEW*					
3.1	**Labor and Travel**					
3.1.1	Labor	HR	18	85.00	1,530	
3.1.2	Travel	EA	1	183.00	183	
3.1.3	Equipment	EA	1	100.00	100	
						1,813
3.2	**Laboratory Cost**					
3.2.1	Volatile Organic Compounds	EA	6	110.00	660	
						660
3.3	**Disposal of Investigation-Derived Waste**					
3.3.1	55-Gallon Drums for Groundwater Generated During Sampling	EA	1	40.00	40	
3.3.2	Analytical Chemistry—Water	EA	1	425.00	425	
3.3.3	Waste Profiling and Sampling	LS	1	1,900.00	1,900	
3.3.4	Waste Transport and Disposal—Water (Nonhazardous)	EA	1	200.00	200	
						2,565
3.4	**Annual Reporting**					
3.4.1	Labor	HR	40	85.00	3,400	
3.4.2	Data Management	LS	1	2,000.00	2,000	
						5,400
	SUBTOTAL					10,438
	CONTINGENCY (20% of SUBTOTAL) & PROJECT MANAGEMENT (10% OF SUBTOTAL)					3,131
	TOTAL OPERATIONS AND MAINTENANCE COSTS PER EVENT					13,569
	PRESENT WORTH OF OPERATIONS AND MAINTENANCE FOR 5 EVENTS[1]					**84,647**
	TOTAL CAPITAL AND PRESENT WORTH COSTS				**$**	**121,679**

NOTES:
[1]Present worth of operation and maintenance for sampling events includes an assumed annual discount rate of 4%.
MDNR - Missouri Department of Natural Resources
Unit prices for laboratory analysis were provided by CH2M HILL Applied Sciences Lab, Corvallis, Oregon.
Unit prices for drilling services were provided by Roberts Environmental Drilling Inc., Millstadt, Illinois.
Unit prices for disposal of Investigation-derived waste were provided by Geotechnical Service, Inc., Kansas City, Kansas.

Appendix C

Cost Estimates for Monitoring and Site Improvements, Site LF-11

Appendix C
Cost Estimate for Closure of Site LF-11
Whiteman Air Force Base, Missouri

Estimators: Jeff Haberl
Date: 04/09/04

	Item Description	Units	Qty	Unit Cost ($)	Total Cost ($)	Task Subtotal ($)
CAPITAL COSTS						
1.0	*Modify ground surface at southern waste trench to promote drainage away from area and Institutional Controls.*					
1.1	**Design**					
1.1.1	CH2M HILL Labor	LS	1	$30,000.00	30,000	
1.1.2	Subcontractor	LS	1	$10,000.00	10,000	
						$40,000
1.2	**Design Implementation**					
1.2.1	MDNR Land Disturbance Permitting Fee	EA	1	$300.00	$300	
1.2.2	Mobilization/Demobilization	LS	1	$20,000	$20,000	
1.2.3	CH2M HILL Labor	HR	275	85.00	$23,375	
1.2.4	Subcontractor	LS	1	$35,000	$35,000	
1.2.5	Misc. CH2M HILL Equipment	LS	1	$1,500	$1,500	
						$80,175
1.3	**Institutional Controls**					
1.3.1	Labor	LS	1	1,700.00	1,700	
1.3.2	Contracting	HR	35	70.00	2,450	
						$4,150
	SUBTOTAL					124,325
	CONTINGENCY (20% of SUBTOTAL) & PROJECT MANAGEMENT (10% OF SUBTOTAL)					37,298
	TOTAL CAPITAL COST					**161,623**
OPERATION AND MAINTENANCE COSTS						
2.0	*ANNUAL GROUNDWATER MONITORING / ANNUAL REPORTING (Year 5)*					
2.1	**Labor and Travel**					
2.1.1	Labor	HR	16	85.00	1,360	
2.1.2	Travel	EA	1	183.00	183	
2.1.3	Equipment	EA	1	100.00	100	
						1,643
2.4	**Annual Reporting**					
2.4.1	Labor	HR	16	85.00	1,360	
2.4.2	Data Management	LS	1	2,000.00	2,000	
						3,360
	SUBTOTAL					5,003
	CONTINGENCY (20% of SUBTOTAL) & PROJECT MANAGEMENT (10% OF SUBTOTAL)					1,501
	TOTAL OPERATIONS AND MAINTENANCE COSTS PER EVENT					6,504
	PRESENT WORTH OF OPERATIONS AND MAINTENANCE FOR 5 EVENTS[1]					**40,572**
	TOTAL CAPITAL AND PRESENT WORTH COSTS					**$ 202,195**

NOTES:
[1]Present worth of operation and maintenance for sampling events includes an assumed annual discount rate of 4%.
MDNR - Missouri Department of Natural Resources
Unit prices for laboratory analysis were provided by CH2M HILL Applied Sciences Lab, Corvallis, Oregon.
Unit prices for disposal of Investigation-derived waste were provided by Geotechnical Service, Inc., Kansas City, KS.

Environmental Restoration Program
Whiteman Air Force Base

Final Record of Decision Amendment Sites FT-02, LF-12, and SS-44

USAF Contract No. FA8903-08-D-8769
Project No. YWHG20107601
Task Order 0231

Prepared for

AFCEE

509 CES/CEAN,
Whiteman Air Force Base
Missouri

Prepared by

CH2MHILL

September 2011

Environmental Restoration Program
Whiteman Air Force Base

Final Record of Decision Amendment
Sites FT-02, LF-12, and SS-44

September 2011

Prepared for

509 CES/CEAN, Whiteman Air Force Base, Missouri

Prepared by

CH2MHILL

1034 S. Brentwood Boulevard, Suite 2300
St. Louis, Missouri 63117

USAF Contract No. FA8903-08-D-8769
Project No. YWHG20107601
Task Order 0231

Contents

Figures

Acronyms and Abbreviations

AFB	Air Force Base
cDCE	cis-1,2-dichloroethene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPC	chemical of potential concern
ERP	Environmental Restoration Program
HHRA	human health risk assessment
IC	institutional control
LTM	long-term management
MDNR	Missouri Department of Natural Resources
NCP	National Contingency Plan
RI	remedial investigation
ROD	Record of Decision
SREA	Southwest Ramp Expansion Area
TCE	trichloroethene
µg/L	microgram per liter
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1. Declaration Summary

1.1 Site Name and Location

Whiteman Air Force Base (AFB) is located in Knob Noster, Johnson County, Missouri. The Environmental Restoration Program (ERP) sites included in this Record of Decision (ROD) amendment overlap an area referred to as the Southwest Ramp Expansion Area (SREA) and include the following:

- Site FT-02 (Fire Protection Training Area)
- Site LF-12 (Landfill No. 3)
- Site SS-44 (Trichloroethene [TCE] Spill Site)

1.2 Statement of Basis and Purpose

This amendment to the ROD (signed July 25, 2005) presents the revised remedy for Sites FT-02, LF-12, and SS-44 at Whiteman AFB. This ROD amendment has been prepared based on recommendations in the 5-year review completed at Sites FT-02, LF-12, and SS-44 in 2009 and revision to previous human health risk assessment (HHRA) evaluations, specifically the exposure pathways (CH2M HILL 2011a). The exposure pathways have not changed since 2005. However, the United States Air Force (USAF) evaluated the exposure pathways further by collecting additional data regarding the Base hydrogeology and groundwater use. Since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44, the USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the following summary of current and anticipated future groundwater use:

- Shallow groundwater at Whiteman AFB does not have sufficient yield to serve as a potable aquifer (Appendix A).

- Available information indicates that only groundwater at depths of 1,000 feet or greater is used as a water supply for the Base and for irrigation of the Base golf course.

- Missouri drinking water well regulations (Title 10, Division 23, Chapter 3, of the Missouri Code of State Regulations) prevent installation of shallow (less than 80 feet) potable use wells on- and off-Base.

- An existing Basewide institutional control (IC) prevents the installation of shallow drinking water wells (less than 35 feet below ground) at the Base.

Revision to the HHRA based on the updated current and future groundwater use concluded that the risk estimates are within acceptable levels.

The amended remedy presented in this ROD amendment was chosen in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency

Plan (NCP; 40 *Code of Federal Regulations*, Part 300). The decision is based on the Administrative Record file for the sites. The ROD amendment will become a part of the Administrative Record file per NCP 300.825(a)(2)).

The lead agency – USAF – and Missouri Department of Natural Resources (MDNR) agree that no further response action is necessary for Sites FT-02, LF-12, and SS-44. MDNR serves as the support agency for Whiteman AFB ERP sites.

1.3 Description of Amended Remedy

Evaluation of Sites FT-02, LF-12, and SS-44 concluded that the residual contamination does not present a risk under the current and anticipated future industrial and construction worker scenarios (CH2M HILL 2011b). The lead agency has determined that no further remedial action is necessary to protect public health or welfare or the environment from exposure to groundwater at Sites FT-02, LF-12, and SS-44. However, to protect against potential groundwater use as a drinking water source, the USAF has a Basewide drinking water well restriction in place. MDNR may review the Basewide drinking water well restriction in the Base General Plan annually by scheduling an appointment with the Base Environmental Element Chief (or equivalent) or the Asset Optimization Element Chief (or equivalent).

A data certification checklist is not applicable to this ROD amendment, since no chemicals of concern are present at the subject sites, and the residual contamination does not present a risk. Therefore, no further remedial action is the amended remedy selected for Sites FT-02, LF-12, and SS-44.Institutional controls are no longer required; however, the Basewide drinking water well restriction will remain.

The no further remedial action amended remedy was presented in the *Proposed Plan for Sites FT-02, LF-12, and SS-44 Environmental Restoration Program Sites* (CH2M HILL 2011b). The Proposed Plan was distributed to the community with the opportunity to comment on the plan and request a public availability session. No comments were received from the community regarding the Proposed Plan, and a public availability session was not requested.

1.4 Statutory Determinations

The remedial investigation (RI) and revised HHRA for Sites FT-02, LF-12, and SS-44 concluded that the residual contamination at the sites does not pose risk to potential future construction workers through dermal contact and inhalation exposure to groundwater or the potential current and future industrial worker through inhalation of indoor air. Therefore, the no further remedial action response meets the statutory requirements of CERCLA and because no hazardous substances, pollutants, or contaminants remain onsite above levels that would limit use, a 5-year review will not be required for this amended remedial action.

1.5 Authorizing Signatures

SCOTT A. VANDER HAMM
Brigadier General, USAF
Commander, 509th Bomb Wing

Date

DAVID J. LAMB
Director, Missouri Department of Natural Resources
Hazardous Waste Program

Date

2. Decision Summary

This decision summary describes Sites FT-02, LF-12, and SS-44 at Whiteman AFB. It also summarizes legal and public involvements issues, estimated site risks, and the rationale for the amended remedy selection.

2.1 Site Name, Location, and Description

Whiteman AFB is located in west central Missouri, in Johnson County, approximately 2 miles south of Knob Noster (Figure 2-1). The Base is approximately 9 miles east of Warrensburg, 22 miles west of Sedalia, and 70 miles southeast of Kansas City. In September 2008, construction of a Missouri Army National Guard facility began within an area known as the SREA (Figure 2-2), which is relatively flat and located in an industrial area. The current and expected future land use of the SREA is industrial.

The following three existing ERP sites included in this ROD amendment are described below and depicted in Figure 2-3:

- ***Site FT-02, Fire Protection Training Area***—Site FT-02 is located within the Missouri Army National Guard facility north of Perimeter Road and south of the operations end of the flight line. The Missouri Army National Guard facility encompasses Site FT-02. The site is flat and portions are covered by grassy vegetation.
- ***Site LF-12, Landfill No. 3***—Site LF-12 is located approximately 500 feet east of the intersection of Arnold Avenue and Perimeter Road, north of Perimeter Road, and south of Site FT-02. The site is relatively flat and covered by grassy vegetation. A small drainage ditch runs along the eastern and southern boundaries of the site.
- ***Site SS-44, TCE Spill Site***—Site SS-44 is located within the Missouri Army National Guard facility, north of Perimeter Road, and south of the operations end of the flight line near Site FT-02. Site SS-44 formerly was part of Site FT-02. It officially became an ERP site in June 2001 when TCE was detected in samples collected from accumulated groundwater in a burn pit excavation near the old runway/taxiway northeast of Site FT-02. Site SS-44 is flat lying and parts are covered by dilapidated airfield pavement and grassy vegetation.

2.2 Site History

Summaries of site histories at Sites FT-02, LF-12, and SS-44 are presented in the following subsections.

2.2.1 Site FT-02

Site FT-02 is a former fire protection training area that consisted of two former burn pits, two aboveground storage tanks for fuel, a waste oil underground storage tank, two small unlined ponds, and an unlined pond with an oil/water separator used for fire training activities (Montgomery Watson 2001). Site FT-02 originally was identified in 1984. From 1985 through 1995, investigations were performed to characterize the site. From 1996 through 1997, Burn Pit 1 was excavated in stages and confirmation sampling was conducted. An estimated 6,000 cubic yards of soil were excavated, and the pit was filled with clean backfill. In 1997, another investigation was conducted to investigate the nature and extent of groundwater contamination. Concentrations of benzene, ethylbenzene, and naphthalene above screening levels have been observed only in groundwater collected from monitoring well FT02-MW-05. The extent of benzene in groundwater is limited to an area of about 0.002 acre within the shallow (less than 30 to 40 feet below ground) subsurface due to the site geology and hydrogeology described below. The site was part of the long-term groundwater monitoring program at Whiteman AFB from 1996 until the present. Fourteen years of long-term monitoring data have demonstrated that the groundwater contamination is not migrating offsite or off-Base. Groundwater modeling on benzene migration is provided in Appendix B. The modeling concluded that benzene would not migrate off-Base.

Section 2.4.4 summarizes the site contamination at Site FT-02. The results of the revised HHRA are provided in Section 2.6.

2.2.2 Site LF-12

USAF records indicated that Site LF-12 was operated as a landfill (identified as Landfill 3) for disposal of routine Base refuse for less than 1 year. Its period of use is known only to be between the late 1940s and mid-1950s. Site LF-12 was originally identified in a Phase I Records Search (Engineering-Science 1984).

No evidence of landfill activities was documented in aerial photographs (Ecology and Environment 1988). In addition, preliminary and detailed geophysical surveys did not identify evidence of landfill activities (that is, waste trenches or waste material). Oil, grease, and lead were detected in a surface soil sample, but the occurrence of these constituents was attributed to runoff from the Fire Protection Training Area (Site FT-02) north of the site (Black & Veatch 1991). A small area of soil contaminated with lead in the southeastern corner of the site was excavated to a depth of 3 feet below ground (160 tons) in 2003 (CH2M HILL 2004a). Confirmation samples collected from the excavation confines demonstrated that lead levels were below 260 mg/kg residential soil screening level set forth in *Cleanup Levels for Missouri*. Investigations in the 1990s indicated that volatile organic compounds (VOCs) and semivolatile organic compound were present in the onsite analysis of soil and groundwater samples and the offsite analysis of groundwater samples (Jacobs Engineering 1999). However, analytical results of soil samples from recent investigations identified only m,p-xylene, o-xylene, and arsenic in soil, and benzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylene, o-xylene, and lead in groundwater (CH2M HILL 2004a) at concentrations in excess of the residential screening levels. The VOCs were observed in an area east of the historic limits of Site LF-12 and were attributed to a surface spill along an access road.

Site LF-12 has been included in the long-term management (LTM) program at Whiteman AFB since 2005. Section 2.4.4 summarizes the site contaminants at Site LF-12. The result of the revised HHRA is provided in Section 2.6.

2.2.3 Site SS-44

Site SS-44 was identified during the excavation of Burn Pit 1 at Site FT-02. TCE was detected in soil and groundwater samples collected near the old runway/taxiway at the northeast corner of the excavation. TCE was found to be unrelated to Site FT-02.

Investigations at Site SS-44 identified 1,1-dichloroethene, 1,2-dichloroethene, cis-1,2-dichloroethene (cDCE), TCE, and vinyl chloride in groundwater (CH2M HILL 2003). Site SS-44 has been included in the LTM program at Whiteman AFB since 2005. Section 2.4.4 summarizes the site contaminants at Site SS-44. The results of the revised HHRA are provided in Section 2.6.

2.3 Basis for Document

The 5-year review completed in 2009 (CH2M HILL 2010) for Sites FT-02, LF-12, and SS-44 concluded that the exposure pathways have changed since preparation of previous HHRA evaluations (CH2M HILL 2011a). Since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44, the USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the current and anticipated future groundwater use presented in Section 2.5. The exposure pathways haven't changed since 2005. The basis of change is that the USAF collected additional data regarding the Base hydrogeology and groundwater use since the 2005 ROD was prepared. The more complete data analysis led the USAF to determine that the shallow groundwater within 30 to 40 feet of the ground surface is not potable on-Base. This determination has been the basis for closure of 23 ERP sites at Whiteman AFB since 2005.

Therefore, the HHRA was updated for groundwater to re-evaluate the current selected remedy in the 2005 ROD for the current exposure pathways. The original HHRA had concluded there were no chemicals in soil that potentially pose unacceptable risk to human health and the environment. The updated HHRA used historical and current groundwater data to calculate risk to the potential future construction worker through dermal contact and inhalation exposures to chemicals of potential concern (COPCs) in groundwater and the potential current and future industrial worker through inhalation of COPCs in indoor air. The HHRA concluded that the risk estimates are within CERCLA and MDNR acceptable levels (CH2M HILL 2011a); therefore, this ROD amendment documents that no further remedial action is required at these sites. Since there are no current or future estimated risks, there are no Remedial Action Objectives or applicable or relevant and appropriate requirements for Sites FT-02, LF-12, and SS-44.

2.4 Site Characteristics

This section describes the chemicals detected at the sites and fate and transport of these chemicals. In addition, the conceptual site model and potential receptors at each of the three sites addressed by the ROD amendment are described below. Environmental sampling data from the site-specific RI and LTM activities were used to evaluate site contamination.

2.4.1 Geology

The shallow overburden soil generally consists of topsoil (when vegetated) underlain by lean to fat clay and clay with sand and gravel. The clay with sand and gravel is the primary water-bearing unit of the unconsolidated materials and is present at the interface between overburden soils and the shale bedrock. The bedrock consists of shale and sandstone units of the Lagonda Formation, Cherokee Group, Desmoinesian Series, and Pennsylvanian System. The shale bedrock is the confining layer for groundwater in the overburden soils.

2.4.2 Hydrogeology

Two potentially significant aquifers and three low-yielding groundwater bearing zones occur in the area of Whiteman AFB:

- A Quaternary-age unconsolidated overburden water-bearing unit consisting of alluvium, loess, and residual soil (low-yielding)
- Pennsylvanian-age, Cherokee Group shales, sandstones, and limestones (low-yielding)
- Mississippian-age limestones (low-yielding)
- Ordovician-age aquifers, specifically sandstones in Central Missouri (used for Base water supply)
- Cambrian-age aquifers, specifically dolomite (used for Base water supply)

The shallow groundwater within the unconsolidated overburden appears to be under semiconfined conditions within clay with a sand and gravel layer or clayey shale at the soil/bedrock interface. The units vary in thickness at the sites.

The shallow groundwater is contained within the top 30 to 40 feet and is present because of precipitation. Groundwater movement in the lean to fat clay is limited. Groundwater flow beneath Sites FT-02 and likely LF-12 is generally to the southeast. Groundwater flow beneath Site SS-44 is generally to the northeast, parallel with an elongated ridge of bedrock. Along the southeast flank of the bedrock ridge, groundwater flows both east and southeast. Based on the hydraulic conductivity and groundwater gradient values presented in previous reports, the groundwater flow rate at Site FT-02 was estimated to be 0.8 foot per year (Montgomery Watson 2001). At Site SS-44 the rate in the clay with sand and gravel layer was estimated to be 33 feet per year (CH2M HILL 2003); however, this may be overestimated based on LTM program data. The flow rates indicate that groundwater (if present in sufficient volume to migrate) is flowing at the clay/bedrock interface. Based on field observations and its location relative to Site FT-02, the groundwater flow rate at Site LF-12 is likely to be similar to that at Site FT-02. Due to lack of groundwater observed in soil borings and temporary wells during the RI, the flow direction and rate could not be confirmed. The shallow aquifer yield at the 3 sites is around 70 gallons per day, based on the calculations presented in Appendix A.

2.4.3 Surface Water

No surface water bodies are located at these sites.

2.4.4 Summary of Site Contamination

Chemicals in groundwater that exceed risk-based screening levels and that are determined to be related to site activities through evaluation of the nature and extent of the observed concentrations are considered COPCs. A risk assessment is performed of the COPCs to determine which chemicals potentially pose unacceptable risk to human health and the environment, known as chemicals of concern. The HHRA, which was completed before the 2005 ROD, identified unacceptable risk associated with the benzene, TCE, and cDCE in groundwater using the potable water use exposure scenario. Groundwater samples have been collected and analyzed for benzene, TCE, and cDCE at the three sites as part of the Base LTM program. The following subsections summarize the site contaminants.

2.4.4.1 Site FT-02

Groundwater sampling results are available for Site FT-02 from June 1993 to May 2009. The maximum benzene concentration detected in groundwater was 11,000 micrograms per liter (µg/L) in June 1993. The most recent sampling event (May 2009) detected benzene in groundwater at a concentration of 24 µg/L. Over the 16-year monitoring period, benzene concentrations in groundwater have reduced by 99 percent and are not migrating offsite or off-Base as supported by LTM data and groundwater modeling presented in Appendix B. Overall, the concentration of benzene has consistently decreased over time because of natural attenuation resulting from such physical processes as volatilization, dilution, and dispersion. TCE and cDCE were not detected in groundwater at Site FT-02.

2.4.4.2 Site LF-12

Groundwater sampling was conducted annually at Site LF-12 from 2005 through 2009. The maximum benzene concentration detected historically from the one temporary well with groundwater was 19 µg/L in 2003. The LTM well at Site LF-12 is about 200 feet downgradient of the historical temporary well with elevated benzene. The LTM well was sampled annually from 2005 to 2009 to determine if benzene was migrating downgradient from the site. A trace concentration (0.33 F µg/L) of benzene was observed in the LTM well in October 2005, but benzene was not detected during annual sampling from 2006 through 2009. Likely due to lack of groundwater, benzene concentrations have not migrated downgradient of the site based on LTM data. TCE and cDCE have not been detected in groundwater at Site LF-12.

2.4.4.3 Site SS-44

Groundwater sampling was conducted at Site SS-44 in August 2002, then annually from 2005 through 2009. Benzene has not been detected in groundwater at Site SS-44. TCE and cDCE were detected in groundwater at maximum concentrations of 231 and 510 µg/L, respectively, in June 2002. The LTM monitoring well at Site SS-44 is about 150 feet downgradient of the historical wells, with elevated concentrations of cDCE and TCE in groundwater at Site SS-44. Based on an estimated groundwater flow of 33 feet per year, concentrations observed within the historical wells with TCE and cDCE detections in groundwater would likely have migrated past the LTM well during LTM monitoring if migration were occurring. However, the flow rate may be overestimated based on data collected at Site FT-02. Further, concentrations of benzene, TCE, and cDCE have not been observed in groundwater within the LTM well at Site SS-44, potentially indicating that the groundwater velocity is inaccurate or overestimated.

2.4.5 Fate and Transport of Contamination

There are no current sources of contamination in soil with the potential to affect groundwater quality. The extent of groundwater contaminant migration at Sites FT-02, LF-12, and SS-44 is limited because the groundwater flow rates that predominate in the clay soil beneath the sites are very slow. Contaminant migration is further limited because there are no known contaminant sources remaining in soil. This conclusion is supported by the groundwater modeling for benzene migration at Site FT-02 (Appendix B) concluding that benzene would not migrate offsite or off-Base and by the long-term groundwater monitoring data obtained at Site FT-02 since 1996 and at Sites LF-12 and SS-44 since 2005. Concentrations at monitoring well FT02-MW-05 have continued to decrease over time and are not observed in other LTM program wells. This trend of decreasing concentrations is expected to continue over time as a result of various degradation processes that occur naturally with organic chemicals.

2.4.6 Conceptual Site Model

The conceptual model of exposure pathways depict the potential relationship or exposure pathway between chemical sources and human receptors prior to the interim remedial actions taken. An exposure pathway describes a specific environmental pathway by which a receptor can be exposed to the chemicals in environmental media.

2.4.7 Potential Receptors

The sites are considered industrial and are expected to remain industrial in the foreseeable future. Although future residents were identified as potential receptors in the 2005 ROD, residential land use of the sites is not realistic. The following are realistic current and future receptors, as approved by MDNR:

- **Future Construction Workers** may excavate soils for utility installation, maintenance, or other purposes. Shallow groundwater may seep into the excavation. VOCs could volatilize directly from ponded groundwater in the excavation. Construction workers also could experience direct skin contact with groundwater under these conditions. Because of the small amount of groundwater that may pond in excavations, incidental ingestion exposures to groundwater are insignificant and were not quantified. Therefore, it is assumed that potentially complete groundwater exposure routes for construction workers are dermal contact and inhalation.

- **Current/Future Industrial Workers** in buildings above groundwater contaminated with VOCs could be exposed through migration of VOCs from groundwater to indoor air, followed by inhalation exposure. For this pathway to be complete, it is assumed that volatile constituents in groundwater could partition into soil gas and become transported through soil gas into overlying structures. The constituents could then mix with indoor air, resulting in inhalation exposures to individuals inside the structure. With the exception of Site FT-02 (where a new Missouri Army National Guard facility is situated), existing buildings are located more than 100 feet from VOC plumes or the location with elevated chemical of concern concentrations in groundwater.

2.5 Current and Potential Groundwater Uses

The USAF collected additional data regarding the Base hydrogeology and groundwater use since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44. The USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the following summary of current and anticipated future groundwater use:

- Shallow groundwater at Whiteman AFB does not have sufficient yield to serve as a potable aquifer (Appendix A).
- Available information indicates that only groundwater at depths of 1,000 feet or greater is used as a water supply for the Base and for irrigation of the Base golf course.
- Missouri drinking water well regulations (Title 10, Division 23, Chapter 3, of the Missouri Code of State Regulations) prevent installation of shallow (less than 80 feet) potable use wells on-Base and off-Base.
- An existing Basewide IC prevents the installation of shallow drinking water wells (less than 35 feet below ground) at the Base.

2.6 Summary of Human Health Risks

The updated HHRAs for Sites FT-02, LF-12, and SS-44 were conducted following USEPA's Risk Assessment Guidance for Superfund (USEPA 1989) and *Air Force Center for Environmental Excellence Guidance for Risk Assessment* (1997). The risk assessments were performed using a phased process that included a risk screening analysis.

The data set used to revise the HHRA consisted of data associated with groundwater samples collected during the RI conducted for each site and monitoring wells included in the LTM program (CH2M HILL 2011a). Groundwater data for Sites FT-02, LF-12, and SS-44 were evaluated on a site-by-site basis for the potential realistic receptors without land use restrictions. The chemicals of potential concern for Site FT-02 include benzene; for Site LF-12, arsenic and chromium, 1,2,4- trimethylbenzene, 1,3,5- trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, and trichloroethene; and for Site SS-44, 1,2-dichloroethane, cis-1,2- dichloroethene, total 1,2-dichloroethene, benzene, chloroform, naphthalene, trichloroethene, and vinyl chloride.

Potential receptors at the sites include future construction workers and current and future industrial workers. Risks were calculated for future construction workers through dermal contact and inhalation exposures to chemicals in groundwater and for current and future industrial workers through inhalation of chemicals at the site in indoor air. At Sites FT-02, LF-12, and SS-44, the cumulative excess lifetime cancer risk for the construction and industrial worker exposure scenario is less than 1 × 10-5 and the noncancer hazard quotient does not exceed 1 (Table 2-1), indicating that the groundwater concentrations are acceptable for the potential receptors described in Section 2.4.7.

Additional information regarding the updated HHRA is presented in the *Updated Human Health Risk Assessment for Sites FT-02, LF-12, and SS-44 at Whiteman Air Force Base, Missouri* (CH2M HILL 2011a).

The land use for these sites is industrial and is expected to remain industrial in the foreseeable future. However, per MDNR request, the indoor air scenario was reviewed for residential land use. The benzene concentration most recently measured at Site FT-02 does not exceed the Missouri Risk Based Corrective Action Tier 1 Risk-Based Target Levels for benzene for Residential Land Use, Soil Type 3 (Clayey) for either the Groundwater Risk-Based Target Levels for Indoor Inhalation of Vapor Emissions or Dermal Contact. The estimated risks at Sites LF-12 and SS-44 for residents were below the noncarcinogenic hazard and carcinogenic risk thresholds for exposures associated with indoor air (CH2MHILL 2004b; CH2MHILL 2003).

2.7 Summary of Ecological Risks

An ecological risk assessment was conducted prior to the 2005 ROD. No unacceptable ecological risks were identified at Sites FT-02, LF-12, and SS-44. A summary of the ecological risk assessment was presented in the 2005 ROD, which can be reviewed at Whiteman AFB.

TABLE 2-1
Human Health Risk Summary for Groundwater
Record of Decision Amendment—Sites FT-02, LF-12, and SS-44

	Construction Worker		Industrial Worker	
Site	**Cancer Risk[a]**	**Hazard Quotient[b]**	**Cancer Risk[a]**	**Hazard Quotient[b]**
FT-02	3E-07	0.7	1E-05	0.1
LF-12	3E-07	0.4	7E-07	0.2
SS-44	3E-08	1.0	2E-06	0.3

[a]Cancer risk criteria 1E-05 for MDNR and 1E-04 for CERCLA
[b]Hazard Quotient criteria 1.0 for MDNR and CERCLA

2.8 Current Selected Remedy

The current selected remedy for Sites FT-02, LF-12, and SS-44 was designed to prevent human exposure to groundwater containing cDCE, TCE, and benzene at concentrations above the established remediation goals. The following describes the current remedy as presented in the 2005 ROD:

ICs (Supported by Groundwater Monitoring)

The selected remedy for Sites FT-02, LF-12, and SS-44, Alternative 2—ICs (supported by Groundwater Monitoring), was selected based on cost-effectiveness and the inability to effectively reduce VOC concentrations in groundwater because of low groundwater flow conditions produced by the clayey soils underlying the Base.

Imposing ICs and taking the following supporting actions (which are collectively "performance measures") will accomplish the remedial action objective and be documented in an ICs Management Plan:

1. Documenting ICs at each site within the Base General Plan
2. Conducting a metes and bounds survey of areas for which groundwater extraction for use, other than the incidental removal of groundwater during construction or routine Base activities, is prohibited. In addition to being documented in the Base General Plan, the metes and bounds survey will be provided to MDNR (the IC

boundaries, as defined in the metes and bounds survey, will provide a buffer zone as a margin of safety to allow for the potential for future plume migration).

The Base General Plan will include provisions for the release of the ICs when remediation goals have been achieved as indicated by the results of the groundwater monitoring program during the 5-Year Review. The proposed final remedy for Sites FT-02, LF-12, and SS-44 (ICs) will remain in place until that time. Information in the Base General Plan regarding Sites FT-02, LF-12, and SS-44 will be submitted to MDNR upon incorporation into the Base General Plan. Since ICs will prohibit drilling of wells and extraction of groundwater for use, other than the incidental removal of groundwater during construction or routine Base activities, there will be no complete exposure pathways for contaminated groundwater and human health and the environment will be protected. The contaminant concentrations will decrease over time through natural degradation processes because the groundwater contaminants are organic.

A groundwater monitoring program, to be documented in a Long-term Monitoring Plan developed in consultation with the MDNR, will be implemented by the USAF to support the ICs and allow systematic, periodic evaluation of site groundwater quality to help ensure that the established IC boundaries fully encompass the contaminant plumes and remain protective of human health and the environment, and to provide objective data to support termination of ICs when remediation goals have been achieved. Implementation of the groundwater monitoring program will confirm that IC boundaries encompass contaminant plumes or else indicate the need for possible additional actions should groundwater monitoring results indicate that contaminant migration is occurring or soon will occur outside of the identified IC boundaries.

In addition to monitoring, 5-Year Reviews of each site will be conducted in accordance with Section 121c of CERCLA. As part of the 5-Year Review, a 5-year summary report will be produced that will compile the information contained in the annual groundwater monitoring reports or other reports generated for the sites, as appropriate. The ICs will be removed, with MDNR approval, if the concentrations of contaminants in groundwater are below the remediation goals for 3 consecutive sampling events occurring at least t3 months apart but no longer than 2 years apart.

2.9 Amended Selected Remedy (No Further Action Necessary)

Based on the results of the revised HHRA, no unacceptable risks to human health and the environment exist. The USAF has determined that no further remedial action is necessary for Sites FT-02, LF-12, and SS-44. However, to protect against potential groundwater use as a drinking water source, the USAF has an existing Basewide drinking water well restriction. MDNR may review the Basewide drinking water well restriction in the Base General Plan annually by scheduling an appointment with the Base Environmental Element Chief (or equivalent) or the Asset Optimization Element Chief (or equivalent). There are no principal threat wastes at the sites, and a no-action determination for the sites meets the statutory requirements of CERCLA Section 121 and the requirements of the NCP for protection of human health and the environment. Because Sites FT-02, LF-12, and SS-44 do not posc a risk to human health or the environment under the exposure scenarios, no restrictions on land use are required. However, as stated, the Basewide drinking water well restriction will remain.

3. Responsiveness Summary

Regulations under CERCLA require public participation to occur before and at the completion of the ROD amendment (for example, 40 *Code of Federal Regulations*, §300.430[f][3]). To meet the obligations, the USAF provided the community with information regarding the closure of Sites FT-02, LF-12, and SS-44 at Whiteman AFB through distribution of the Proposed Plan. The USAF offered to host a public meeting/availability session upon request; however, a meeting was not requested. The Proposed Plan and public meeting/availability session opportunity were announced in *The Daily Star-Journal and Whiteman Warrior* publications and MDNR's Web site.

Published ERP reports, including this ROD amendment, are available to the public at Whiteman AFB during business hours Monday through Friday:

Whiteman AFB
509 CES/CEAN
660 10th Street, Suite 211
Whiteman AFB, MO 65305
Phone: 660-687-6347

Alternative hours may be available based on a scheduled appointment with the Natural Resources Manager or equivalent. The Whiteman AFB Natural Resources Manager or equivalent is responsible for maintaining the repository and ensuring that documents are added to the information file as work progresses.

A public comment period for the Proposed Plan, which corresponds to this ROD amendment, began June 1 and ended June 30, 2011. The Proposed Plan was mailed directly to the Whiteman AFB mailing list, which consists of 189 addresses, for public review. The plan included information announcing the public comment period and opportunity for a public meeting/availability session. No requests for a public meeting/availability session were received, and no comments were received from the public during the public comment period.

3.1 Support Agency Comments

Support agency (MDNR) comments are available for review in the Administrative Record.

3.2 Statutory Determinations

The RI and revised HHRA for Sites FT-02, LF-12, and SS-44 concluded that the residual contamination at the sites does not pose risk under the potential future construction worker through dermal contact and inhalation exposure in groundwater and the potential current and future industrial worker through inhalation of indoor air. Therefore, the no further remedial action response meets the statutory requirements of CERCLA [§121]. Because no hazardous substances, pollutants, or contaminants remain onsite above levels that would limit use, a 5-year review will not be required for this remedial action.

4. References

Air Force Center for Environmental Excellence. 1997. *Air Force Center for Environmental Excellence Guidance for Risk Assessment.*

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CH2M HILL. 2003. *Final Remedial Investigation Report for Sites DP-32, SS-40, SS-41, and SS-44.*

CH2M HILL. 2004a. *Final Feasibility Study Report, Site LF-12, Landfill No.3.*

CH2M HILL. 2004b. *Final Remedial Investigation Report, Site LF-11, Landfill No. 2 and Site LF-12, Landfill No.3.*

CH2M HILL 2005a. *Final Remedial Investigation Work Plan.*

CH2M HILL. 2005b. *Record of Decision for Sites FT-02, LF-12, and SS-44.*

CH2M HILL. 2010. *Final 2009 Five-Year Review Report.*

CH2M HILL. 2011a. *Updated Human Health Risk Assessment for Sites FT-02, LF-12, and SS-44 at Whiteman Air Force Base, Missouri.*

CH2M HILL. 2011b. *Proposed Plan for Sites FT-02, LF-12, and SS-44 Environmental Restoration Program Sites.*

Ecology and Environment Inc. 1988. *Installation Restoration Program Phase II: Confirmation/ Quantification, Stage 1 – Final Report.*

Engineering-Science. 1984. *Phase I, Records Search Report.*

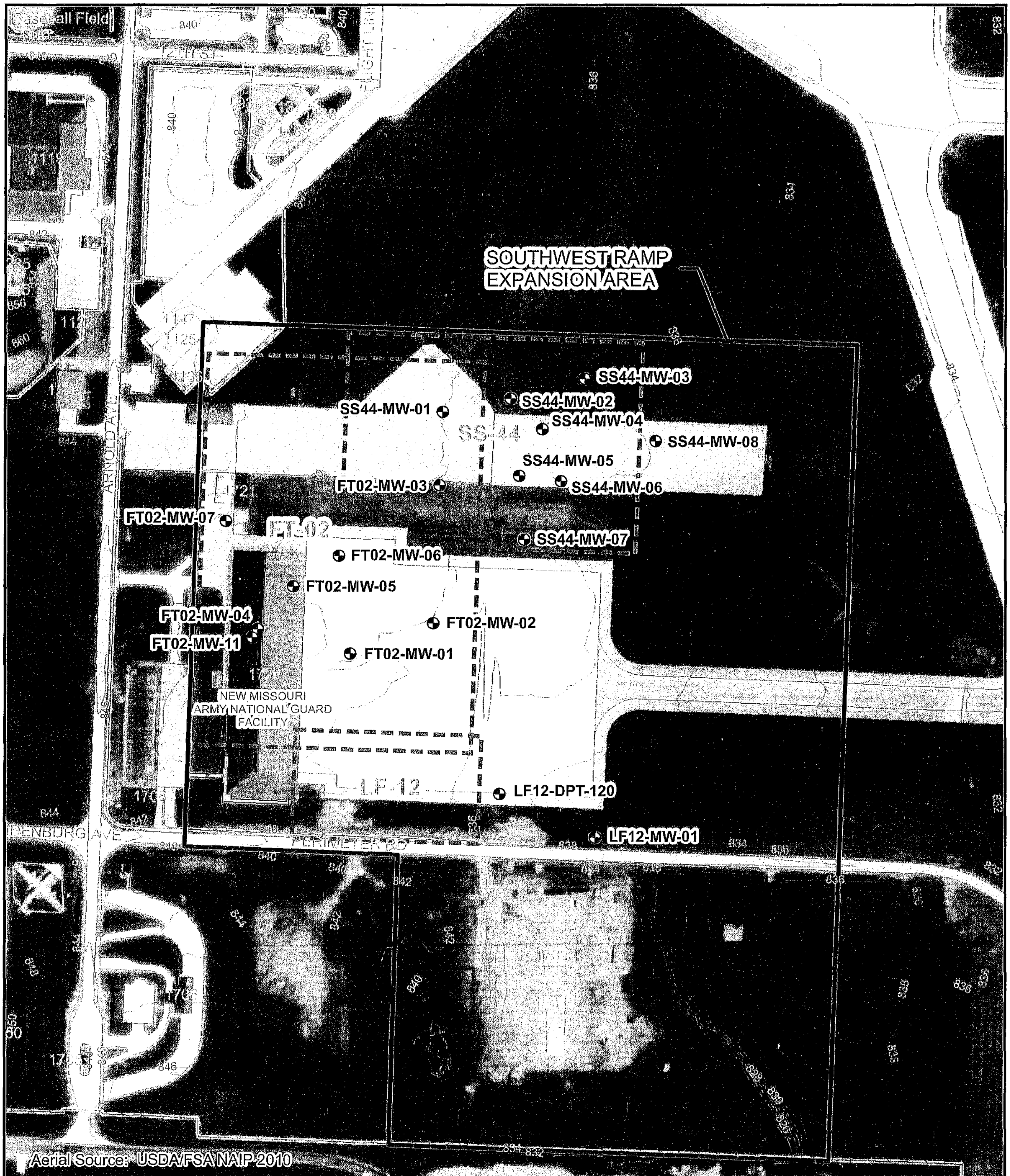
Jacobs Engineering Group, Inc. 1999. *Decision/Closure Document for No Further Action, Old Landfill 3 Area, Site LF-12.*

Montgomery Watson. 2001. *Feasibility Study for Site FT-02.*

United States Environmental Protection Agency (USEPA). 1989. *Risk Assessment Guidance for Superfund, Volume 1, Human Health Evaluation Manual (Part A).* USEPA/540/1-89/002.

FIGURE 2-1
Base Location Map
Record of Decision Amendment
for Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL



LEGEND

- APPROXIMATE SITE LIMITS
- SOUTHWEST RAMP EXPANSION AREA
- MISCELLANEOUS SURFACE FEATURE
- MISCELLANEOUS ROAD FEATURE
- PAVEMENT
- BUILDINGS
- AIRFIELD SURFACE
- FENCES
- TOPOGRAPHIC CONTOURS
- SURFACE WATER
- HISTORICAL MONITORING WELL/PIEZOMETER LOCATION
- EXISTING LONG-TERM MONITORING PROGRAM WELL LOCATION

N

0 300 Feet

FIGURE 2-3
Site Features Map
Record of Decision Amendment
for Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL

TABLE A-1
Groundwater Yield Calculation
Whiteman Air Force Base, Missouri

Input Data	Value	Comment	Reference
K Hydraulic Conductivity (centimeter per second)	7.60E-05	Hydraulic conductivity at Site FT-02 (Literature values for the lean to fat clay at the Base would be in the E-06 and E-07 range; however Site FT-02 slug test data was used although collecting accurate slug test data from a clay subsursurface is difficult and may include characteristics of the sand filter pack.)	*Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)
b Saturated Thickness (feet)	3.1	Average from Sites FT-02 and SS-44	*Site DP-32, SS-40, SS-41, and SS-44 Remedial Investigation Report, Whiteman Air Force Base, Missouri* (CH2M HILL 2003); *Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)
h_c Confining Head (feet)	17.16	Average from Sites FT-02 and SS-44	*Site DP-32, SS-40, SS-41, and SS-44 Remedial Investigation Report, Whiteman Air Force Base, Missouri* (CH2M HILL 2003); *Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)

Yield Calculation
Q = (115846 x K x hc x b) / (10.2 + log (K x b)) = 71.26 gallons per day
Q = Sustainable Well Yield (gallon per day)

APPENDIX B

Fate and Transport Groundwater Modeling Assessment for Site FT-02

Introduction

This appendix presents the results of a fate and transport modeling assessment for benzene concentrations in groundwater at Site FT-02 at Whiteman AFB. The modeling assessment was conducted to estimate the maximum extent of the benzene plume in groundwater at Site FT-02. The site was the subject of a ROD between the USAF and MDNR dated May 10, 2005 (CH2MHILL 2005). A ROD amendment to revise the remedy is under way.

Fate and Transport Model

The Remediation Evaluation Model for Chlorinated Solvents (REMChlor) was used to perform the modeling assessment. REMChlor is an analytical fate and transport solution that can simulate source and plume remediation of groundwater contaminants, in addition to natural attenuation processes. Although developed for chlorinated solvents, it can be applied to a variety of contaminants including benzene. A complete description of the model is presented in the *REMChlor User's Manual* (Falta et al. 2007).

Input Data

Table B-1 presents input data for the modeling assessment. The soil excavation conducted at Site FT-02 from 1996 to 1997 was integrated into the model's source remediation component for each scenario. An initial source groundwater concentration of 1,800 milligrams per liter (mg/L; approximately the solubility of benzene in groundwater) was assumed. This concentration is considered a conservative assumption to estimate the maximum plume extent, since contaminants were released during fire training activities at the ground surface and not directly to groundwater. The dissolved plume component was assumed to be subject to natural attenuation processes only.

The model was calibrated using a trial-and-error method using the temporal groundwater data from monitoring wells FT02-MW-05 and FT02-MW-02. Temporal groundwater data from 1993, 1995, 2000, 2005, and 2009 were obtained from the Air Force Center for Engineering and the Environment Environmental Restoration Program Information Management System. Only two monitoring wells were used due to the limited extent of the benzene plume at the site currently and historically. Based on the calibration, a source mass of 80 kilograms, a groundwater velocity of 5 feet per year, and a benzene first order decay rate of 0.2 foot per year were estimated for the site. The calibrated model parameters are considered to be reasonable values based on data collected at other sites at Whiteman AFB and those reported in literature.

A second model scenario was evaluated using more site-specific input to provide a range of potential plume migration. The site-specific groundwater velocity (0.8 foot per year; Montgomery Watson 2001) and site-specific benzene decay rate of 0.38 foot per year (estimated point decay based on groundwater concentrations over time at FT02-MW-05) were used. This model scenario could not be calibrated to site groundwater data because the plume did not extend far enough to reach FT02-MW-05 from the former burn pit. However, the actual benzene release location is unknown and could have been the result of a surface spill at or near FT02-MW-05 considering that FT02-MW-05 is not hydrogeologically downgradient of the burn pit. The remedial investigation included samples hydrogeologically downgradient of the burn pit; however, elevated levels of benzene were not observed.

Groundwater flow models must include simplifying assumptions in order to derive an analytical or numerical solution and can be limited in their representation of true site conditions. The simplifying assumptions, along with the selection of field data, can influence the ability of a model to calibrate to field data.

Results

Table B-2 presents the REMChlor model results. Under Scenario 1(calibrated model), the maximum plume extent is projected to be 249 feet from the expected historical source area (former burn pit). Since the extent of the existing plum is roughly 150 feet, the model indicates that additional limited plume migration may occur if the groundwater velocity is greater than observed at Site FT-02. The benzene plume will not reach the Base boundary, which is about 3,900 feet from the expected historical Site FT-02 source area. As shown in Scenario 2, if the groundwater flow rate is actually similar to the reported groundwater velocity and the benzene decay is similar to that observed in FT02-MW-05, the benzene plume will not continue to migrate. Although, this scenario did not achieve a model calibration, this could be attributed to several factors as discussed in the previous section (for example, actual location of historical release). Differences between the model calculations and actual future plume extent can be attributed to simplifying assumptions about hydrogeologic and biological processes that the model employs.

References

CH2M HILL 2005. *Final Remedial Investigation Work Plan.*

Falta, R. W., M. B. Stacy, W. M. Ahsanuzzaman, and R. C. Earle. *Remediation Evaluation Model for Chlorinated Solvents (REMChlor) User's Manual.* EPA/600/C-08/001, 2007.

Montgomery Watson. 2001. *Feasibility Study for Site FT-02.*

TABLE B-1
Site FT-02 Summary of Model Input
Whiteman Air Force Base, Missouri

Input Parameter	Units	Value	Reference
Initial Source Concentration (Benzene)	g/L	1.8	Solubility of benzene in water, assuming DNAPL was leaked into subsurface and resulted in saturated concentration of benzene
Source Mass (Benzene)	kg	11	Estimated with historic site soil and groundwater data by program SourceDK
	kg	80	Model-calibrated value
Gamma	---	1.5	Power function exponent; applicable for older release and fine-grained matrix
Source Width	m	49	Sum of the width of PIT #1 and #2 is approximately 160 ft
Source Depth	m	4.6	Depth of aquifer is 15 ft; assume entire aquifer in source zone was contaminated
Darcy Velocity	m/yr	0.05	Site-specific value (groundwater seepage velocity = 0.8 ft/yr)
	m/yr	0.30	Model-calibrated value (groundwater seepage velocity = 5 ft/yr)
Effective Porosity (ne)	ft^3/ft^3	0.2	Estimated mobile porosity
Source Fraction Removed	---	0.99	Assume majority of source removed by excavation
Remediation Start Time	yr	21	Assuming release occurred in 1975, excavation started in 1996
Remediation End Time	yr	22	Excavation finished in 1997
Source Decay	1/yr	0	Assume no additional source decay
Retardation Factor (Benzene)	---	1.3	Calculated; R = 1 + (Koc*foc* pb)/n
Partition Coefficient for Benzene (Koc)	L/kg	59	Soil Screening Guidance: Technical Background Document; Appendix K (EPA, 1996)
Fraction Organic Carbon (foc)	---	0.001	Estimated value
Soil Bulk Density (pb)	kg/L	1.7	Estimated value
Total Porosity (n)	ft^3/ft^3	0.3	Estimated value
Sigma v	---	0.14142	Assume $\alpha x = x/100$; low dispersion based on current plume front location
vMin	---	0	Default value; REMChlor User's Guide
vMax	---	1.57	Calculated value from 1+4×Sigmav
# streamtubes	---	5000	Arbitrary value to simulate smooth plume output
Alpha y	m	0.046	Assume $\alpha y = \alpha x/10$ and plume length of x = 150 ft (i.e., 46 m)
Alpha z	m	0.001	Assume limited vertical dispersion
Maximum X Direction	m	500	Arbitrary value
Maximum Y Direction	m	0	Assume centerline flow
Maximum Z Direction	m	0	Assume centerline flow
First Order Decay Rate-Benzene	/yr	0.25 - 0.38	Estimated point decay rate based on temporal FT02-MW-05 data; range of decay rates is based on subsets of the data, which may be temporally influenced
	/yr	0.20	Model-calibrated value (Note: Lower range of benzene decay rates reported in literature is approximately 0.02 /yr)
Field Calibration Data (Benzene)			
FT02-MW-02	µg/L	<1	Distance = 46 m (150 ft), from the edge of the source zone
			1995, Year 20
FT02-MW-05			Distance = 21 m (70 ft), from the edge of the source zone
	µg/L	11000	1993, Year 18
	µg/L	8000	1995, Year 20
	µg/L	952	2000, Year 25
	µg/L	410	2005, Year 30
	µg/L	24	2009, Year 34

ft	foot	L	liter
ft^3/ft^3	cubic feet per cubic foot	m	meter
g	grams	µg	micrograms
kg	kilogram	yr	year

TABLE B-2
Site FT-02 Summary of Model Results
Whiteman Air Force Base, Missouri

Scenario	Decay Rate (/yr)	Source Mass (kg)	Darcy Velocity (m/yr)	Seepage Velocity (ft/yr)	Estimated Maximum Plume Extent (m)	(ft)
1	0.2	80	0.3	5	76	249
2	0.38	80	0.05	0.8	8	26

Note: The current plume extent is estimated at 150 feet. The distance to the base boundary is about 3,900 feet.
ft - feet
kg - kilogram
m - meter
yr - year

FINAL
PRELIMINARY ASSESSMENT REPORT FOR PERFLUORINATED COMPOUNDS AT WHITEMAN AIR FORCE BASE KNOB NOSTER, MISSOURI

Prepared for:

Air Force Civil Engineer Center
2261 Hughes Avenue, Suite 155
Lackland AFB, Texas 78236-9853

Contract No. FA8903-08-D-8772
Task Order 0065
CDRL A001A

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Prepared by:

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LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFFF	aqueous film-forming foam
ANG	Air National Guard
Base	Whiteman Air Force Base
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
EDR	Environmental Data Resources, Inc.
FAST	Fire Alarm Suppression Team
FTA	Fire Training Area
Halliburton	Halliburton NUS Corporation
HDPE	high-density polyethylene
HGL	HydroGeoLogic, Inc.
LO	Low Observable
ml	milliliter
NPDES	National Pollutant Discharge Elimination System
No.	number
PA	preliminary assessment
PFC	perfluorinated compound
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
RCRA	Resource Conservation Recovery Act
RI	Remedial Investigation
ROD	Record of Decision
SI	Site Inspection
USAF	U.S. Air Force
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
WWTP	wastewater treatment plant

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FINAL
PRELIMINARY ASSESSMENT REPORT
FOR PERFLUORINATED COMPOUNDS
WHITEMAN AIR FORCE BASE
KNOB NOSTER, MISSOURI

1.0 INTRODUCTION

The Air Force Civil Engineer Center (AFCEC) contracted with HydroGeoLogic, Inc. (HGL) and subcontractor CH2M HILL (the HGL Team) to perform preliminary assessment (PA) activities at multiple U.S. Air Force (Air Force or USAF) and Air National Guard (ANG) Fire Training Areas (FTAs) to determine probable environmental release of perfluorinated compounds (PFCs). Specifically, HGL is completing PA activities consistent with the U.S. Environmental Protection Agency (USEPA) Guidance for Preparing Preliminary Assessments under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (USEPA, 1991) to determine potential releases of PFCs at 82 Air Force and ANG installations from FTAs and other known and suspected PFCs or aqueous film-forming foam (AFFF) usage or storage areas. The work is being performed by HGL and its team subcontractor, CH2M HILL, under the existing 4P Architecture and Engineering Contract, Contract Number FA8903-08-D-8772, Task Order 0065.

Under authority of CERCLA and the Superfund Amendments and Reauthorization Act of 1986, CH2M HILL conducted a PA visit at Whiteman Air Force Base (AFB) during the week of September 8, 2015. Whiteman AFB is an active installation in Johnson County, Missouri. The location of Whiteman AFB and the locations identified on Whiteman AFB during this PA visit are shown on Figure 1.1.

1.1 BACKGROUND

PFCs are compounds used in the formulation of AFFF, which the Air Force has used in fire training exercises, suppressing aircraft and other vehicle fires, and in aircraft hangar fire suppression systems. Although PFCs are not regulated under CERCLA or the Resource Conservation and Recovery Act (RCRA), there is evidence that perfluorooctane sulfonate (PFOS) (and less so perfluorooctanoic acid [PFOA]) is a possible environmental contaminant following AFFF release. Both compounds may present potential, non-carcinogenic risks to human health and the environment (Chang et al., 2014; Porter, 2011; Rak and Vogel, 2009; USAF, 2012).

Several federal government documents confirm the initial use of AFFF by the Air Force beginning in 1970:

- Military Specification for AFFF (MIL-F-24385), formally issued in 1969
- General Accounting Office determination on sole source award protest to provide AFFF to the Navy in December 1969
- A History of USAF Fire Protection Training at Chanute Air Force Base, 1964-1976 (Coates, 1977)

Based on Air Force performance testing results on AFFF, the Air Force Director of Civil Engineering, M.G. Goddard, issued authorization in 1970 for the Air Force to procure AFFF. No usage within the Air Force is documented or suspected prior to 1970.

1.2 PURPOSE AND OBJECTIVES

The objective of this PA Report is to identify locations at Whiteman AFB where PFCs may have been released into the environment and to provide an initial assessment of possible migration pathways and receptors of potential contamination. In 1991, the Air Force began a program to replace existing non-engineered FTAs with new engineered FTAs that use propane fuel. The engineered FTA consists of a high-density polyethylene (HDPE) liner and berm for containment. The runoff is collected in pipes that are fed to a retention pond that is also lined with HDPE. The retention pond is not connected to any stormwater or wastewater system. (Blaisdell and Tracy, 2015, personal communications; Appendix C).

This PA Report documents the known FTAs, as well as additional locations where AFFF may have been released into the environment at Whiteman AFB (Table 1.1). The purpose of the PA is to determine the potential environmental release of PFCs specifically from AFFF usage and storage. This PA Report differentiates locations that pose little or no potential threat to human health and the environment from locations that warrant further investigation.

Table 1.1
Fire Training Areas and Non-Fire Training Areas Identified for Potential AFFF Releases, Whiteman AFB, Missouri

Fire Training Areas
Former FTA (FT-02)
Former FTA (FT-16)
Current FTA
Non-Fire Training Areas
Hangars
Buildings 5050 and 5051 (Docks 1 and 2)
Buildings 5052 and 5053 (Docks 3 and 4)
Buildings 5054 and 5055 (Docks 5 and 6)
Buildings 5058 and 5059 (Docks 7 and 8)
Buildings 5060 and 5061 (Docks 9 and 10)
Buildings 5062 and 5063 (Docks 11 and 12)
Buildings 5064 and 5065 (Docks 13 and 14)
Buildings 5205 and 5206 (Low Observable [LO] Facility)
Buildings 1 and 27
Building T-9
Building 91
Building 1117
Building 1118
Building 1125
Fire Stations
Former Building 39 (Former Fire Station)
Building 34 (Fire Station)

Table 1.1
Fire Training Areas and Non-Fire Training Areas Identified for Potential AFFF Releases, Whiteman AFB, Missouri

Emergency Response
1979 Visitor Plane Crash
Fighter Plane Crash
Other
Building 139 (Supply Warehouse)
Building 26 (Aircraft Parts Store)
AFFF Holding Ponds
Outfall 1A

1.3 BASEWIDE ENVIRONMENTAL SETTING

A detailed description of the topography, soil types, surface water, and groundwater is in the Installation Restoration Program Whiteman Air Force Base, Missouri, Draft RCRA Facilities Investigation, Volume 1 – Text (Halliburton NUS Corporation [Halliburton], 1994) and is summarized in the sections below.

1.3.1 Geology

Whiteman AFB is located in the Osage Plains physiographic province with a landscape consisting of gently undulating hills, broadly eroded valleys, and dissected uplands. This physiographic region lies just below the southern limit of Pleistocene glaciation and, therefore, was essentially unaffected by direct glacial geomorphological processes (Halliburton, 1994).

The topography of the Base itself is nearly flat. This nearly flat-lying, slow-draining topography differs greatly from the highly dissected topography to the west because of the presence of the Verdigris Formation. The Ardmore limestone, a member of the Verdigris Formation, is highly resistant to weathering, and its presence at the Base accounts for the nearly level topography. The Verdigris Formation has been eroded away directly west of the Base (Halliburton, 1994).

The bedrock units underlying Whiteman AFB are Paleozoic in age, consisting of the Pennsylvanian and Mississippian Systems. Bedrock is of the Cherokee group, a major unit of the Desmoinesian series of the Pennsylvanian System. The units in the area consist of thin, interbedded sandstone, siltstone, shale, underclay, limestone, and coal. In areas surrounding streams and riverbeds, Quaternary alluvium overlies older Pennsylvanian rocks. In the immediate vicinity of the Base, several lateral changes in lithology and thickness of units occur. There are numerous plunging anticlines and synclines in the area that generally trend northwest to southeast. A broad, open, poorly defined synclinal trough directly beneath Whiteman AFB plunges northwest at approximately 10 feet per mile (Halliburton, 1994).

The Base lies in Seismic Zone 1 and is located in an area in which a maximum credible earthquake of magnitude of 6.1 is predicted. However, no major faults or fracture zones have been mapped near the Base. In addition, the soils in the area are not subject to liquefaction (Halliburton, 1994).

1.3.2 Hydrogeologic Setting

Five groundwater-bearing units can be identified in the area that includes Whiteman AFB: (1) a Quaternary Age surficial aquifer consisting of alluvium, loess, and residuum; (2) shale, siltstone, sandstone, coal, underclay, and limestone associated with the Pennsylvanian Age Cherokee Group; (3) Mississippian Age limestones; (4) Ordovician Age aquifers that include the Jefferson City Dolomite, the Roubidoux Formation, and the Gasconade Dolomite; and (5) Cambrian Age aquifers, specifically the Eminence Dolomite (Halliburton, 1994).

Water-bearing characteristics of the surficial aquifer are uncertain due to the seasonal variability of groundwater at shallow depths. Groundwater occurs in the alluvium near flowing streams, and, to a lesser degree, above the residual soil/bedrock interface within the top 30 to 40 feet. Eventually, this surficial water infiltrates laterally and vertically into other areas, provided that no additional recharge occurs. Infiltration of precipitation is the primary means by which groundwater in the surficial deposits is recharged (Halliburton, 1994).

The Base is located in a recharge zone for the shallow groundwater system, and most groundwater discharge from the shallow, surficial aquifer is probably to local streams. Minor amounts of groundwater from the surficial aquifer probably percolate to deeper aquifers. Due to the small yield and poor quality of water in the surficial aquifer, it is not locally used as a source of water supply (Halliburton, 1994).

The Base pumps its water from eight on-Base wells. The wells tap the Roubidoux and Gasconade Formations with a maximum depth of 1,171 feet and were installed between 1942 and 1961. Figure 1.1 presents the Base water supply well locations (Halliburton, 1994).

1.3.3 Hydrologic Setting

Whiteman AFB is traversed by several small perennial streams that drain the eastern and western portions of the Base. The streams in the western half of the Base are tributaries to Brewer Branch Creek. Brewer Branch Creek flows approximately 2 miles west from the Base boundary to Clear Fork Blackwater River. Clear Fork Blackwater River then flows north into Clear Creek and then into the Blackwater River. The streams in the eastern half of the Base are tributaries to Long Branch Creek. Long Branch Creek flows approximately 5 miles east from the Base boundary to Muddy Creek. Muddy Creek then flows east into the Lamine River. Both the Blackwater and Lamine Rivers are part of the Missouri River drainage basin. Two manmade ponds along the western edge of the Base, as well as five small lakes in adjacent Knob Noster State Park, provide permanent surface water reservoirs (Halliburton, 1994).

Approximately 70 percent of the 3.7 million gallons per day of treated wastewater produced by Whiteman AFB is discharged to Brewer Branch Creek. U.S. Geological Survey topographic maps (1955 and 1981) designate Brewer Branch Creek as a perennial stream. The upland watersheds for Brewer Branch Creek and Long Branch Creek consist primarily of agricultural land and Base land. Base streams are not classified by the Missouri Department of Natural Resources for the protection of aquatic species. Additionally, the Base streams are not used as a source of potable water. Due to the poor infiltration capacity of the base soils and the low relief, intense rainfall causes localized flooding in several parts of the Base (Halliburton, 1994).

1.3.4 Ecological Receptors

The following endangered species is known to inhabit Johnson and Pettis Counties (Environmental Data Resources, Inc. [EDR], 2015):

- Milkweed, Mead's – Plant

According to Glenn Golson, Environmental Element Chief, and based on a recent endangered plant species survey, Mead's milkweed was not found within the boundaries of Whiteman AFB. The reviewed information does not distinguish between federal and state listed species.

1.4 PRELIMINARY ASSESSMENT METHODS

This PA Report was prepared in accordance with the following guidance documents:

- CERCLA Guidance (USEPA, 1991)
- Interim Air Force Guidance (USAF, 2012)
- U.S. Fish and Wildlife Service (USFWS) Guidance (USFWS, 2015a; USFWS, 2015b)

The performance of this PA included the following activities:

- Reviewing information and reports in the Administrative Record.
- Reviewing documents related to Air Force use of AFFF.
- Conducting a 2-day visit to Whiteman AFB.
- Conducting interviews with government personnel in Environmental Programs, Whiteman AFB Fire Department, Wastewater Treatment Plant (WWTP), Fire Alarm Suppression Team (FAST), Base Histories, and GeoBase Administration.
- Visiting and photographing locations where AFFF has been used or may have been used.
- Performing an environmental data records search to document nearby populations and recording water supply well information and wetlands information.

If a location's operational history indicates that AFFF was not used, then no pathway and environmental hazard assessments were completed for that particular location.

1.5 REPORT ORGANIZATION

This PA Report is organized as follows:

- Section 1.0, Introduction, provides a project overview and describes the methods used to conduct the PA.
- Section 2.0, Fire Training Areas, describes the FTAs identified during the location visit.
- Section 3.0, Non-Fire Training Areas, describes the non-FTAs identified during the location visit.
- Section 4.0, Summary and Conclusions, summarizes and provides conclusions for both FTAs and non-FTAs.
- Section 5.0, References, lists the references cited in this report.

In addition, the following support information is appended to this report:

- Appendix A, Photo Documentation
- Appendix B, Field Documentation
- Appendix C, Records of Communication

FIGURE

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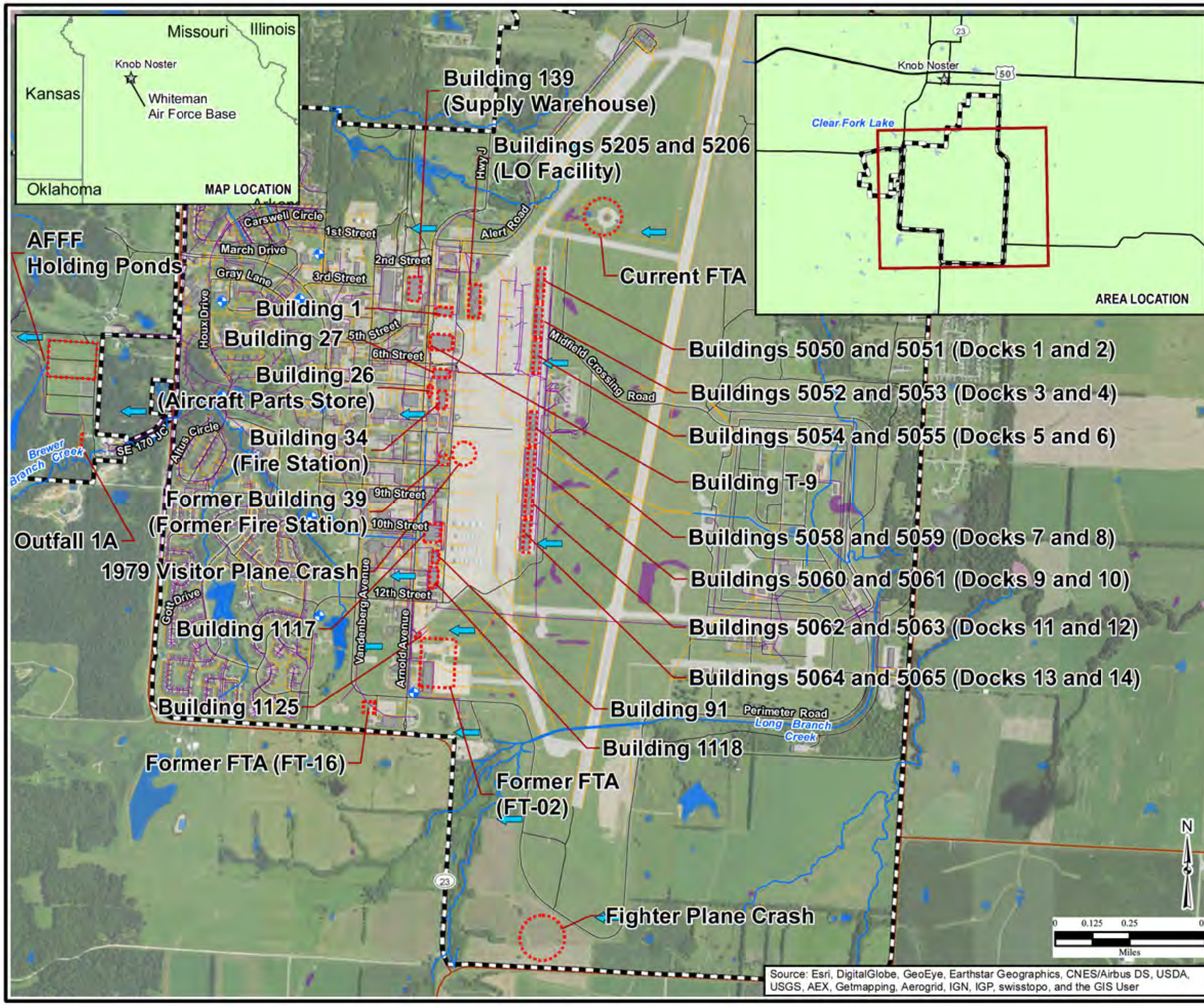

Figure 1.1
All Identified Locations
Whiteman AFB, Missouri

Legend

- Approximate Groundwater Flow
- Water Production Well
- Stream
- Wastewater Line
- Storm Sewer Line
- Road
- Secondary State and County Highway
- Area View
- Approximate Location
- Installation Boundary
- Building
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

Notes:
AFFF = aqueous film-forming foam
FTA = fire training area
LO = Low Observable

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9/29/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygon, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

2.0 FIRE TRAINING AREAS

2.1 FORMER FTA (FT-02)

2.1.1 Description and Operational History

Former FTA (FT-02) is currently an Apache helipad with associated buildings and an additional concrete pad, and is surrounded by grassy areas on the south end of the Base. The geographic coordinates are 38°43'4.107"N and 93°33'40.469"W. The location of Former FTA (FT-02) is shown on Figures 1.1 and 2.1.

FT-02 is a former fire protection training area that consisted of two former burn pits, two aboveground storage tanks for fuel, a waste oil underground storage tank (UST), two small unlined ponds, and an unlined pond with an oil-water separator used for fire training activities. Operations began at FT-02 with the construction and use of Burn Pit 1 in the mid-1960s. Burn Pit 2 was constructed at FT-02 after 1988, and fire training exercises ceased at FT-02 in 1992 (Montgomery Watson, 2001; Takács, 2015, personal communication; Appendix C). It is unknown whether AFFF discharges occurred at FT-02, but such occurrences are likely.

FT-02 is an Installation Restoration Program site for Whiteman AFB. The contaminant of concern for this location was benzene. Remediation activities included excavating soil and conducting long-term monitoring. In 2005, the Record of Decision (ROD) identified institutional controls and groundwater monitoring as the remedies for this location. A ROD Amendment in 2011 discontinued groundwater monitoring at the location (AFCEC, 2014). No further remedial action is required for this location and a Site Closure is currently being pursued (Takács, 2015, personal communication; Appendix C). A full description of the site and operational history are in previous investigation documents.

2.1.2 Waste Characteristics

The Fire Chief and Installation Restoration Program Manager did not have knowledge of, or records of, the quantity of AFFF used/released. Based on the operational history of the site and the historical usage of AFFF within the Air Force during these years, the potential for PFCs released to the environment is likely.

2.1.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 6,300 feet hydrologically cross-gradient of the Former FTA (FT-02). Whiteman Elementary School, located on Base, is approximately 7,200 feet hydrologically cross-gradient of the Former FTA (FT-02).

2.1.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 9) is located approximately 160 feet hydrologically downgradient from the Former FTA (FT-02) (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the Former FTA (FT-02) is 5,890. Several residential wells are located within a 4-mile radius of the Former FTA (FT-02), with the closest at approximately 3,300 feet hydrologically cross-gradient from the Former FTA (FT-02). However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers in shallow excavations. The nearest residence is located approximately1,900 feet to the southwest and downgradient of the Former FTA (FT-02).

2.1.3.2 Surface Water Pathway and Targets

The surface water at the Former FTA (FT-02) runs off from the helipad and infiltrates into the surrounding grassy areas. The surrounding area is generally flat, but the closest surface water inlet to FT-02 is Long Branch Creek located approximately 1,200 feet southeast. Surface water flows to Long Branch Creek. Long Branch Creek is commonly used for recreational fishing and presents a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a wetland located northeast and 670 feet upstream from Former FTA (FT-02).

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Long Branch Creek (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

2.1.3.3 Soil and Air Exposure Pathways and Targets

Former FTA (FT-02) is located in an aircraft traffic area of the Base. A wetland is within 1,000 feet of FT-02 and within 1 mile of residential areas. Due to aircraft traffic, the location is frequented by Base personnel on a daily basis, which creates a potential worker exposure. Also, due to the aircraft creating airborne dust, fugitive dust emissions create a potential exposure pathway. The underground utilities at FT-02 are sanitary sewer and storm sewer lines that present a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present in the grassy areas surrounding the helipad.

No schools or day care facilities are within a 200-foot radius of the Former FTA (FT-02). The nearest child development center (Building 3021) is located approximately 6,300 feet to the northwest. Whiteman Elementary School is located approximately 7,200 feet to the northwest.

2.2 FORMER FTA (FT-16)

2.2.1 Description and Operational History

Former FTA (FT-16) is located at the southwest corner of the intersection of Vandenberg Avenue and Attack Avenue near the south end of the Base. It is currently a concrete parking area for military vehicles and a grassy area. The geographic coordinates are 38°42'56.357"N and 93°33'55.695"W. The location of the Former FTA is shown on Figures 1.1 and 2.1.

Former FTA (FT-16) has not been confirmed as actually ever having been an active FTA. A 1955 high-altitude aerial photograph showed the outline of the location. Based on historical practices, it is assumed that contaminated fuels were burned during the training exercises (Halliburton, 1997). It is unknown when or if AFFF was discharged at FT-16, but it is likely based on historical practices at FTAs.

Former FTA (FT-16) is an Installation Restoration Program site for Whiteman AFB. Remediation activities included groundwater, soil, and soil gas sampling (Halliburton, 1994). The current status of the site is closed with no further action (Takács, 2015, personal communication; Appendix C). More details of the investigations conducted onsite are described in previous investigation documents.

2.2.2 Waste Characteristics

The Fire Chief and Installation Restoration Program Manager did not have knowledge of, or records of, the quantity of AFFF used/released or the time frame the location was used as an FTA. Based on the operational history of the site and the historical usage of AFFF within the Air Force during these years, the potential for PFCs released to the environment is likely.

2.2.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 6,800 feet hydrologically cross-gradient of the

Former FTA (FT-16). Whiteman Elementary School located on Base is located approximately 7,600 feet hydrologically cross-gradient of the Former FTA.

2.2.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 9) is located approximately 690 feet hydrologically upgradient from the Former FTA (FT-16) (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the Former FTA (FT-16) is 5,890. Several residential wells are located within a 4-mile radius of the Former FTA, with the closest at approximately 3,100 feet hydrologically cross-gradient from the Former FTA. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers and in shallow excavations. The nearest residence is located approximately 800 feet to the southwest and downgradient of the Former FTA.

2.2.3.2 Surface Water Pathway and Targets

The surface water at the Former FTA (FT-16) runs off from the impervious parking area and infiltrates into the surrounding grassy areas. The surrounding area is generally flat, but the closest surface water inlet to FT-16 is Skelton Lake located approximately 700 feet northwest. Surface water collected in Skelton Lake flows north and then west into Brewer Branch Creek for approximately 3.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and presents a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a wetland located southeast and 500 feet upstream from Former FTA (FT-16).

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on the Brewer Branch Creek and Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

2.2.3.3 Soil and Air Exposure Pathways and Targets

Former FTA (FT-16) is located in a traffic area of the Base. A wetland is within 500 feet of FT-16 and within 1 mile of residential areas. Because the location contains a parking lot, the location is frequented by Base personnel on a weekly basis. However, the paved parking area and the well-vegetated area surrounding the parking area would preclude any fugitive dust emissions and potential exposures. The underground utility at FT-16 is sanitary sewer, which presents a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present in the grassy areas surrounding the parking area.

No schools or day care facilities are within a 200-foot radius of the Former FTA (FT-16). The nearest child development center (Building 3021) is located approximately 6,800 feet to the northwest. Whiteman Elementary School is located approximately 7,600 feet to the northwest.

2.3 CURRENT FTA

2.3.1 Description and Operational History

The current FTA at Whiteman AFB was constructed in 2001 and is located on the north end of the Base between the taxi runways. The current FTA contains a fire training pit that is double lined with a 60 milliliter (ml) and 80 ml high-density polyethylene (HDPE) liner. Only propane and water are used during fire training exercises. Below the pit is a piping system that collects all runoff from the training exercises. This system leads to the retention basin adjacent to the training pit to the west. The retention pond is also double lined with 60 ml and 80 ml HDPE liners (Chabotte and Blaisdell, 2015, personal communication; Appendix C). The geographic coordinates are 38°44'21.833"N and 93°33'4.410"W. The locations of the current FTA and retention pond are shown on Figures 1.1 and 2.2.

All fire truck AFFF nozzle spray testing takes place at the fire training pit. The Fire Chief indicated that approximately 5 gallons of AFFF are discharged during the annual spray testing for the fire engines. Liquid collected from the fire training pit area, including AFFF from the nozzle spray testing, is piped to the retention pond (Blaisdell, 2015, personal communication; Appendix C). The liquid in the retention pond have not been removed for disposal since 2001, and the retention pond is not connected to any storm or wastewater system on Base (Tracy, 2015, personal communication, Appendix C). AFFF is contained within the engineered structures at the current FTA, and there have been no known or documented releases of AFFF to the environment at this location (Blaisdell, 2015, personal communication; Appendix C).

2.3.2 Waste Characteristics

Not applicable.

2.3.3 Pathway and Environmental Hazard Assessment

Not applicable.

2.3.3.1 Groundwater Pathway and Targets

Not applicable.

2.3.3.2 Surface Water Pathway and Targets

Not applicable.

2.3.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

FIGURES

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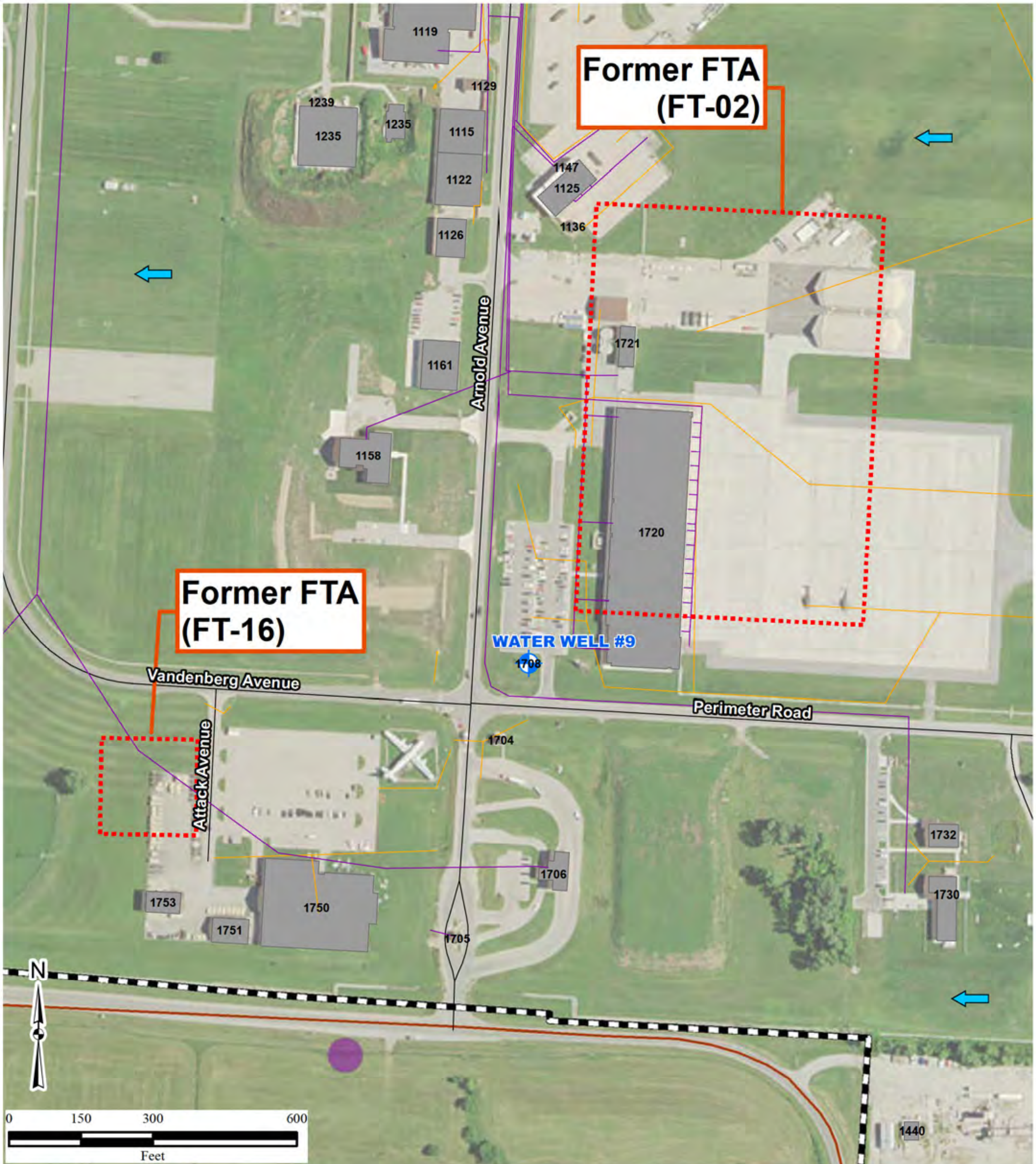

Note:
FTA = fire training area

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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9/29/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Water Production Well
- Wastewater Line
- Storm Sewer Line
- Road
- Approximate Location
- Installation Boundary
- Building
- Freshwater Emergent Wetland

Figure 2.1
Locations of the Former FTAs at Whiteman AFB, Missouri

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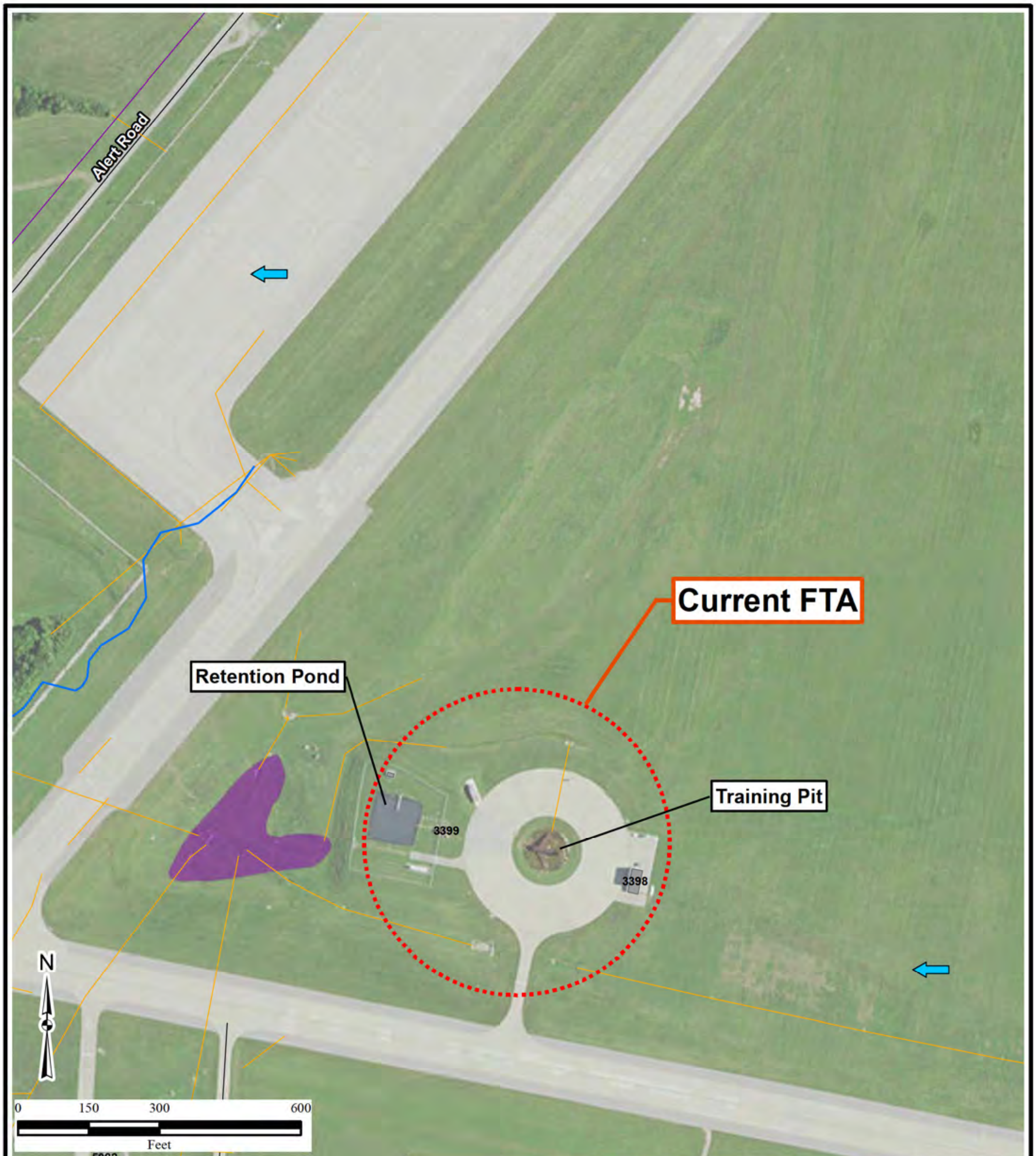

Note:
FTA = fire training area

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Building
- Freshwater Emergent Wetland

CH2MHILL.

Figure 2.2
Location of the Current FTA at Whiteman AFB, Missouri

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3.0 NON-FIRE TRAINING AREAS

3.1 HANGARS

3.1.1 Buildings 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, and 5065 (Docks 1 through 14)

3.1.1.1 Description and Operational History

Starting at the north end of the flightline along the eastern edge and going south are Buildings 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, and 5065 (Docks 1 through 14). These buildings are aircraft hangars. Docks 1 and 2 were constructed in 1991; Docks 5 and 6 in 1992; Docks 3 and 4 in 1993; Docks 7, 8, 9, and 10 in 1996; Docks 11 and 12 in 1997; and Docks 13 and 14 in 1999 (See, 2015, personal communication; Appendix C). The geographic coordinates for each pair of docks starting with Docks 1 and 2 are 38°44'9.947"N and 93°33'18.117"W, Docks 3 and 4 are 38°44'3.710"N and 93°33'18.542"W, Docks 5 and 6 are 38°43'57.478"N and 93°33'18.941"W, Docks 7 and 8 are 38°43'45.004"N and 93°33'19.733"W, Docks 9 and 10 are 38°43'38.771"N and 93°33'20.161"W, Docks 11 and 12 are 38°43'32.532"N and 93°33'20.534"W, and Docks 13 and 14 are 38°43'26.297"N and 93°33'20.940"W. The locations of the 14 docks are shown on Figures 1.1, 3.1, and 3.2.

Each pair of docks shares a 3,000-gallon tank of AFFF for the fire suppression systems. The system includes an overhead open sprinkler system and spray nozzles located throughout the floor that spray upward when the system is activated to suppress fires on the underside of aircraft. Although each building fire suppression system is tested yearly, AFFF is discharged from the system only every 2 years. Three hundred gallons of AFFF are discharged from the fire suppression system during each test. Tests occur during the summer over an approximately 4-month period. Discharges are collected in floor drains located inside of each building. The floor drains are then routed to a 250,000-gallon UST located east of the buildings between Docks 6 and 7 (See, 2015, personal communication; Appendix C). When the AFFF tests of the fire suppression systems occur, all industrial wastewater for that day is routed to the 250,000-gallon UST. All industrial wastewater from the UST, which is approximately 200,000 gallons, is then transported through the wastewater lines to the AFFF holding ponds located at the WWTP and bypasses the WWTP system (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

Accidental discharges have occurred at 9 of the 14 docks: Docks 2, 4, 5, 6, 7, 11, 12, 13, and 14 (Blaisdell, 2015, personal communication, Appendix C) (Field Documentation, Appendix B). When accidental discharges have occurred at the docks, all 300 gallons of AFFF contained in the system have discharged. The AFFF is then captured (typically 250 gallons) and put back into the system, while the remaining amounts (about 50 gallons) are routed to the floor drains that lead to the 250,000-gallon UST (See, 2015, personal communication, Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.1.2 Waste Characteristics

Not applicable.

3.1.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.1.2 Buildings 5205 and 5206 (LO Facility)

3.1.2.1 Description and Operational History

Buildings 5205 and 5206 (LO Facility) were constructed in 2002 and are located on the west side of the flightline at the north end across from Buildings 5051 and 5052 (Docks 2 and 3). These buildings are aircraft hangars. The geographic coordinates for the pair of buildings are 38°44'7.033"N and 93°33'32.833"W. The location of the LO Facility is shown on Figures 1.1 and 3.1.

Buildings 5205 and 5206 (LO Facility) share a 1,000-gallon tank of AFFF for the fire suppression system. The system has only spray nozzles located throughout the floor. These nozzles spray AFFF upward when the system is activated to suppress fires on the underside of aircraft. Although each building is tested yearly, discharges of AFFF from the fire suppression system occur only every 2 years. Three hundred gallons of AFFF are discharged from the fire suppression system during each test. Tests occur during the summer over an approximately 4-month period. Discharges are collected in floor drains located inside each building. These drains are then routed to a 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). When the AFFF tests of the fire suppression systems occur, all industrial wastewater for that day is routed to the 250,000-gallon UST. All industrial wastewater from the UST, which is approximately 200,000 gallons, is then transported through the wastewater lines to the AFFF holding ponds located at the WWTP and bypasses the WWTP system (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no accidental discharges at Buildings 5205 and 5206 (LO Facility) (Blaisdell, 2015, personal communication; Appendix C). However, if an accidental discharge had occurred, it would have been cleaned up in the same manner as it is at the docks. The bulk of the discharge would be captured and put back into the system, while the remaining amount would be routed to the floor drains that lead to the 250,000-gallon UST (See, 2015, personal communication; Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.2.2 Waste Characteristics

Not applicable.

3.1.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.1.3 Building 1 and Building 27

3.1.3.1 Description and Operational History

Building 1 and Building 27 were constructed in 1991 with identical layouts. Building 1 is located west of Building 5206 and north of Building T-9. Building 27 is located just south of Building T-9 and Hangar Road. Both hangars are used for aircraft maintenance. The geographic coordinates for Building 1 are 38°44'5.194"N and 93°33'39.569"W. The geographic coordinates for Building 27 are 38°43'54.471"N and 93°33'40.027"W. The locations of Building 1 and Building 27 are shown on Figures 1.1 and 3.1.

Building 1 and Building 27 each has a 600-gallon bladder tank of AFFF for the hangar fire suppression system. The AFFF system includes four underwing arm cannons located in the four corners of each hangar. The suppression system inside the hangars has not been tested with the discharge of AFFF. Building 1 and Building 27 contain floor drains inside the hangars. These drains lead to the 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). The fire department has documented no AFFF discharge or release outside of the engineered system at Building 1 and Building 27. (Blaisdell, 2015, personal communication; Appendix C).

3.1.3.2 Waste Characteristics

Not applicable.

3.1.3.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.3.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.3.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.3.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.4 Building T-9

3.1.4.1 Description and Operational History

Building T-9 was the first hangar built on Base in 1954. It is located south of Building 1 and north of Building 27 and Hangar Road. The hangar is used for aircraft maintenance. The geographic coordinates for Building T-9 are 38°43'59.841"N and 93°33'40.096"W. The location of Building T-9 is shown on Figures 1.1 and 3.1.

The fire suppression system with AFFF was installed in 1991. The system includes a 1,200-gallon bladder tank of AFFF that discharge through eight underwing arm cannons. A set of four cannons is used on each side of the hangar. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building T-9 contains floor drains inside the hangar. These drains lead to the 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). The fire department has documented no AFFF outside of the engineered system at Building T-9 (Blaisdell, 2015, personal communication; Appendix C).

3.1.4.2 Waste Characteristics

Not applicable.

3.1.4.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.4.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.4.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.4.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.5 Building 91

3.1.5.1 Description and Operational History

Building 91 was constructed in 1991. It is located on the west side of the flightline between Building 1117 to the north and Building 1118 to the south. The geographic coordinates for Building 91 are 38°43'22.553"N and 93°33'41.007"W. The location of Building 91 is shown on Figures 1.1 and 3.3.

Building 91 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 91 contains floor drains inside the hangars. These drains lead to a 30,000-gallon UST that is shared with Building 1117. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has not documented AFFF outside of the engineered system at Building 91 (Blaisdell, 2015, personal communication; Appendix C).

3.1.5.2 Waste Characteristics

Not applicable.

3.1.5.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.5.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.5.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.5.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.6 Building 1117

3.1.6.1 Description and Operational History

Building 1117 is an aircraft hangar with additional workspace inside that was constructed in 1995. It is located on the west side of the flightline north of Building 91. The geographic coordinates for Building 1117 are 38°43'26.684"N and 93°33'41.799"W. The location of Building 1117 is shown on Figures 1.1 and 3.2.

Building 1117 has a 1,000-gallon polyethylene tank containing AFFF for the fire suppression system inside the aircraft hangar part of the building. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 1117 contains floor drains inside the hangar. These drains lead to a 30,000-gallon UST that is shared with Building 91. When AFFF is discharged from the system and goes into the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no AFFF discharge or release outside of the engineered system at Building 1117 (Blaisdell, 2015, personal communication; Appendix C).

3.1.6.2 Waste Characteristics

Not applicable.

3.1.6.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.6.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.6.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.6.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.7 Building 1118

3.1.7.1 Description and Operational History

Building 1118 is an aircraft hangar that was constructed in 1995. It is located on the west side of the flightline south of Building 91. The geographic coordinates for Building 1118 are 38°43'19.049"N and 93°33'41.457"W. The location of Building 1118 is shown on Figures 1.1 and 3.3.

Building 1118 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 1118 contains floor drains inside the hangars. These drains lead to the hangar's own 30,000-gallon UST. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no AFFF outside of the engineered system at Building 1118 (Blaisdell, 2015, personal communication; Appendix C).

3.1.7.2 Waste Characteristics

Not applicable.

3.1.7.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.7.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.7.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.7.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.8 Building 1125

3.1.8.1 Description and Operational History

Building 1125 was constructed in 1996. It is located northwest of the Former FTA (FT-02) on Arnold Avenue. It is used for on-Base refueling of aircrafts and cars, and contains three car bays. The geographic coordinates for Building 1125 are 38°43'8.743"N and 93°33'44.785"W. The location of Building 1125 is shown on Figures 1.1 and 3.3.

Building 1125 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead open system discharges AFFF. The suppression system inside the bays has not been tested with the discharge of AFFF. Building 1125 contains floor drains inside the bays. These drains lead to the building's own 30,000-gallon UST. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

An accidental discharge was documented by the FAST lead in February 2015; however, the amount of AFFF discharged is unknown. The discharge was contained within the building in the floor drains (See, 2015, personal communication; Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.8.2 Waste Characteristics

Not applicable.

3.1.8.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.8.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.8.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.8.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.2 FIRE STATIONS

3.2.1 Former Building 39 (Former Fire Station)

3.2.1.1 Description and Operational History

The first fire station on Base was opened prior to the use of AFFF. The building was demolished in 1988 and was located where the current Building 30 is located just south of Base Operations. The geographic coordinates for Former Building 39 (Former Fire Station) are 38°43'39.352"N and 93°33'39.345"W. The location of the Former Building 39 (Former Fire Station) is shown on Figures 1.1 and 3.2.

Based on old engineering drawings, the fire department contained three crash vehicles (Whitford, 2015, personal communication; Appendix C). The Fire Chief has no documentation or information on the use or storage of AFFF at the Former Building 39 (Former Fire Station) (Blaisdell, 2015, personal communication; Appendix C).

3.2.1.2 Waste Characteristics

Not applicable.

3.2.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.2.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.2.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.2.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.2.2 Building 34 (Fire Station)

3.2.2.1 Description and Operational History

Building 34 (Fire Station) was constructed in 1988 and is currently occupied by the fire department. The fire station is located west of the flightline south of Building 27. The geographic coordinates for Building 34 are 38°43'49.860"N and 93°33'39.847"W. The location of Building 34 is shown on Figures 1.1 and 3.2.

The fire station contains four crash vehicles that carry either 210 gallons or 420 gallons of AFFF. Three additional fire engines carry 55 gallons of AFFF. Two 1,000-gallon mobile foam trailers are also housed in the fire station. Inside the fire station are floor drains that lead to a fuel/water separator. From the fuel/water separator, wastewater flows to the WWTP through the wastewater lines. The Fire Chief had no documentation or knowledge of AFFF discharges at the fire station, other than the trace amounts that are discharged from transferring AFFF from trailers to fire trucks and the rinsing of fire trucks. Most of these transfers are completed inside the fire station unless they are responding to an emergency. The Fire Chief also indicated that in his 11 years as Fire Chief on Base, he has not responded to a crash or scene and used AFFF (Blaisdell, 2015, personal communication; Appendix C).

3.2.2.2 Waste Characteristics

Not applicable.

3.2.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.2.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.2.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.2.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.3 EMERGENCY RESPONSE

3.3.1 1979 Visitor Plane Crash

3.3.1.1 Description and Operational History

In 1979, a visiting plane crashed on the runway outside of Base Operations. The geographic coordinates for the approximate crash location are 38°43'40.516"N and 93°33'34.953"W. The approximate crash location is shown on Figures 1.1 and 3.2. Other than the approximate crash location and date, the Base Historian had no additional information, including whether or not a fire actually occurred and whether or not that fire was extinguished with AFFF. Potential additional information may exist in the 351st Missile Wing histories, which no longer exist onsite at Whiteman AFB and are now located in the Archives at the Air Force Historical Research Agency. This documentation was not made available for review; therefore, no documentation or knowledge of the possible use or amount of AFFF that may have been used at the crash location is known (Easley, 2015, personal communication; Appendix C).

3.3.1.2 Waste Characteristics

Not applicable.

3.3.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.3.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.3.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.3.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.3.2 Fighter Plane Crash

3.3.2.1 Description and Operational History

Sometime between 1992 and 1994, a fighter plane crashed at the south end of the runway just north of State Route 23. The geographic coordinates for the approximate crash location are 38°42'16.482"N and 93°33'16.946"W. The approximate crash location is shown on Figures 1.1 and 3.4. There is no documentation or knowledge of the use of or amounts of AFFF at this crash location, or even if the response required fire suppression. Base personnel recall a fighter plane touching down, not getting back in the air, and crashing at the end of the runway (Tracy, 2015, personal communication; Appendix C). Another Base staffer could not recall whether it was an F-

15 or F-16 but does recall the plane being largely intact after the crash (Whitford, 2015, personal communication; Appendix C). No other information is known about the crash.

3.3.2.2 Waste Characteristics

Not applicable.

3.3.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.3.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.3.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.3.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4 OTHER

3.4.1 Building 139 (Supply Warehouse)

3.4.1.1 Description and Operational History

Building 139 (Supply Warehouse) contains the majority of the Base backup supply of AFFF. Sixty-two 55-gallon drums of 3 percent AFFF are stored within secondary containment inside Building 139. To date, there have been no reports of spills or releases of AFFF at Building 139 (Blaisdell, 2015, personal communication; Appendix C). The geographical coordinates for Building 139 are 38°44'9.077"N and 93°33'46.058"W. The location of Building 139 is shown on Figures 1.1 and 3.1.

3.4.1.2 Waste Characteristics

Not applicable.

3.4.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.4.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.4.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.4.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4.2 Building 26 (Aircraft Parts Store)

3.4.2.1 Description and Operational History

Building 26 (Aircraft Parts Store) contains the Base backup supply of AFFF, in addition to storage in Building 139. Thirteen 55-gallon drums of 3 percent AFFF are stored within secondary containment inside Building 26. To date, there have been no reports of spills or releases of AFFF at Building 26 (Blaisdell, 2015, personal communication; Appendix C). The geographical coordinates for Building 26 are 38°43'51.404"N and 93°33'42.482"W. The location of Building 26 is shown on Figures 1.1 and 3.2.

3.4.2.2 Waste Characteristics

Not applicable.

3.4.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.4.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.4.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.4.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4.3 AFFF Holding Ponds

3.4.3.1 Description and Operational History

Industrial wastewater from the hangars is routed through the sanitary sewer to the AFFF holding ponds at the WWTP when AFFF is present in the waste. The ponds were installed in 1997 and are located west of State Highway 23 on the north end of the WWTP. The geographical coordinates for the AFFF holding ponds are 38°43'56.411"N and 93°35'2.031"W. The locations of the AFFF holding ponds are shown on Figures 1.1 and 3.5.

3.4.3.2 Waste Characteristics

Industrial wastewater that contains AFFF from buildings on Base is routed through the industrial wastewater system to the AFFF holding ponds. The wastewater bypasses the WWTP and goes directly to the northernmost holding pond where it then slowly transfers into the southern holding pond. The holding ponds are not lined with material other than a thick clay layer. The wastewater from the AFFF holding ponds is routed back to the WWTP when the pollutants listed in the National Pollutant Discharge Elimination System (NPDES) permit are near permitted levels through natural breakdown. Once the wastewater has been treated at the plant, it is then sent to Outfall 1A for discharge.

The amount of AFFF within each industrial wastewater discharge depends on which UST is being discharged. The maximum amount is approximately 200,000 gallons of industrial wastewater containing approximately 300 gallons of AFFF. The estimated minimum amount is approximately 10,000 gallons of industrial wastewater containing about 10 to 50 gallons of AFFF.

3.4.3.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 2,200 feet hydrologically upgradient of the AFFF holding ponds. Whiteman Elementary School, located on Base, is approximately 1,700 feet hydrologically upgradient of the AFFF holding ponds.

3.4.3.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 10) is located approximately 2,250 feet hydrologically upgradient from the AFFF holding ponds (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the AFFF holding ponds is 5,890. Several residential wells are located within a 4-mile radius of the AFFF holding ponds, with the closest at approximately 2 miles hydrologically upgradient from the AFFF holding ponds. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers at the water treatment plant and workers in shallow excavations. The nearest residence is located approximately 3,700 feet to the southwest and downgradient of the AFFF holding ponds.

3.4.3.3.2 Surface Water Pathway and Targets

The surface water at the AFFF holding ponds collects within the ponds and discharges into the WWTP operations. The surrounding area slopes to the south toward Brewer Branch Creek. Surface water from the WWTP discharges at Outfall 1A into Brewer Branch Creek for approximately 2.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and present a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a freshwater pond located east and 300 feet upstream from the AFFF holding ponds.

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Brewer Branch Creek or Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

3.4.3.3.3 Soil and Air Exposure Pathways and Targets

The AFFF holding ponds are located in a no-traffic area of the Base. A freshwater pond is within 500 feet of the AFFF holding ponds and within 1 mile of residential areas. The location is frequented by WWTP Base personnel on a daily basis, which creates a potential worker exposure. The well-vegetated area would preclude any fugitive dust emissions and potential exposures. The underground utility at the AFFF holding ponds is wastewater, which presents a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present.

No schools or day care facilities are within a 200-foot radius of the AFFF holding ponds. The nearest child development center (Building 3021) is located approximately 2,200 feet to the east. Whiteman Elementary School is located approximately 1,700 feet to the northeast.

3.4.4 Outfall 1A

3.4.4.1 Description and Operational History

Outfall 1A, an NPDES outfall, is located west of State Highway 23 on the west side of the WWTP. Outfall 1A was originally an open concrete drainage ditch that ran from the testing area, approximately 430 feet north of the creek, to the creek until 2010 when it was converted into an underground closed pipe. The testing area is an open concrete-lined pit where water samples are collected to ensure the Base is meeting NPDES standards. The geographical coordinates for Outfall 1A are 38°43'41.440"N and 93°35'0.153"W. The location of Outfall 1A is shown on Figures 1.1 and 3.5.

3.4.4.2 Waste Characteristics

All treated wastewater, including AFFF from the Base, is discharged through Outfall 1A. Water samples are collected from the open concrete-lined pit approximately 430 feet north of Brewer Branch Creek. From there, the wastewater flows through an underground pipe into Brewer Branch Creek. The total amount of AFFF entering the system is unknown because it is diluted and combined with all Base wastewater.

3.4.4.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 3,000 feet hydrologically upgradient of Outfall 1A. Whiteman Elementary School, located on Base, is approximately 2,900 feet hydrologically upgradient of Outfall 1A.

3.4.4.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 10) is located approximately 2,560 feet hydrologically upgradient from Outfall 1A (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of Outfall 1A is 5,890. Several residential wells are located within a 4-mile radius of Outfall 1A, with the closest at approximately 1.9 miles hydrologically upgradient from Outfall 1A. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists to workers at the water treatment plant and workers in shallow excavations. The nearest residence is located approximately 3,800 feet to the southwest and downgradient of Outfall 1A.

3.4.4.3.2 Surface Water Pathway and Targets

The surface water at Outfall 1A collects within the open concrete pit and discharges into Brewer Branch Creek. The surrounding area slopes to the south toward Brewer Branch Creek. Surface water from Outfall 1A discharges into Brewer Branch Creek for approximately 2.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and present a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a freshwater pond located southeast and 920 feet upstream from Outfall 1A.

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Brewer Branch Creek or Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

3.4.4.3.3 Soil and Air Exposure Pathways and Targets

Outfall 1A is located in a no-traffic area of the Base. A freshwater pond is within 1,000 feet of Outfall 1A and within 1 mile of residential areas. The location is frequented by WWTP Base personnel on a daily basis, which creates a potential worker exposure. The well-vegetated area would preclude any fugitive dust emissions and potential exposures. The underground utilities at Outfall 1A are stormwater and wastewater, which present a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present.

No schools or day care facilities are within a 200-foot radius of the AFFF holding ponds. The nearest child development center (Building 3021) is located approximately 3,000 feet to the northeast. Whiteman Elementary School is located approximately 2,900 feet to the northeast.

FIGURES

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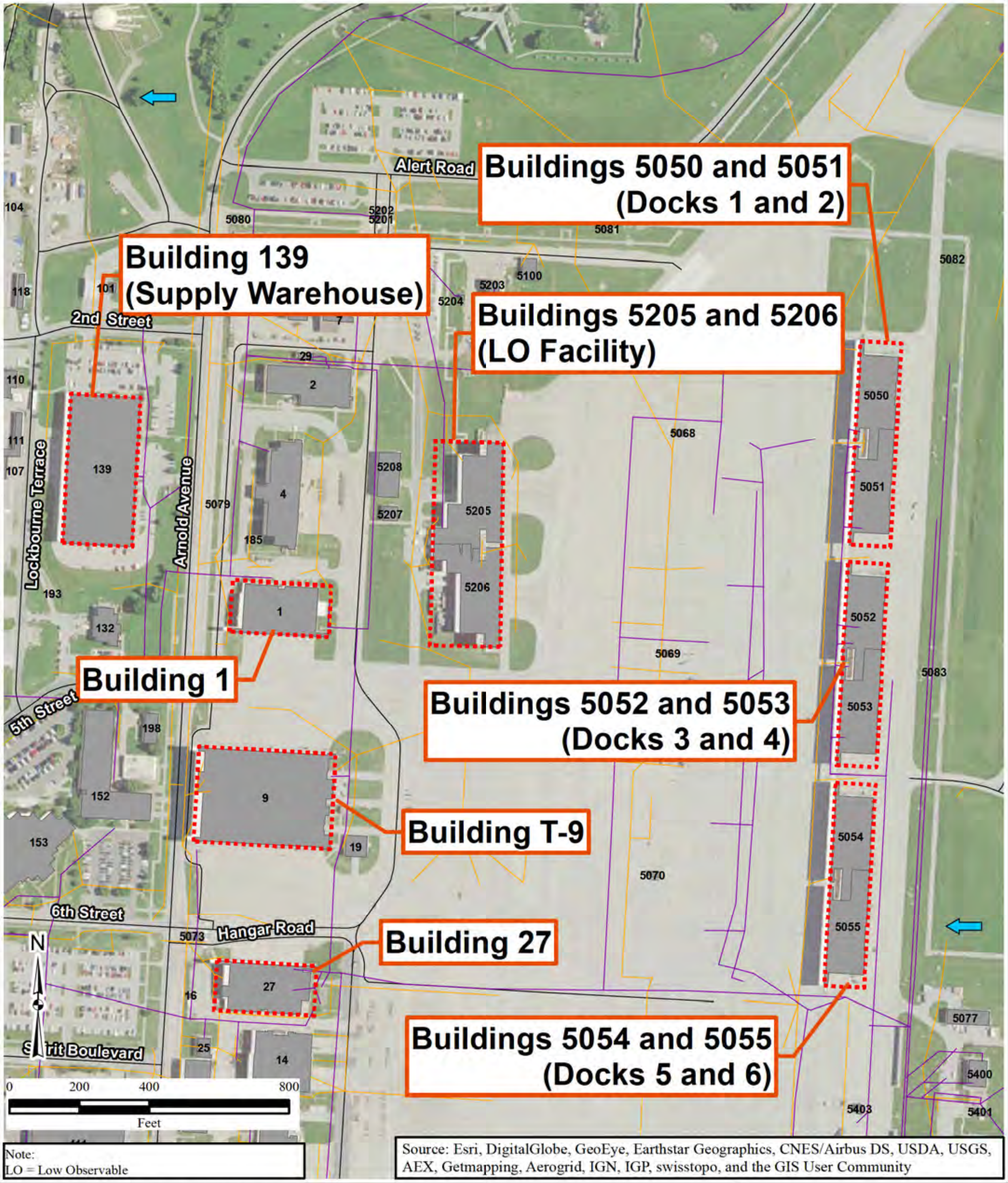

Note:
LO = Low Observable

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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9/30/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Approximate Location
- Building

Figure 3.1
Locations of Buildings on the North End of the Flightline at Whiteman AFB, Missouri

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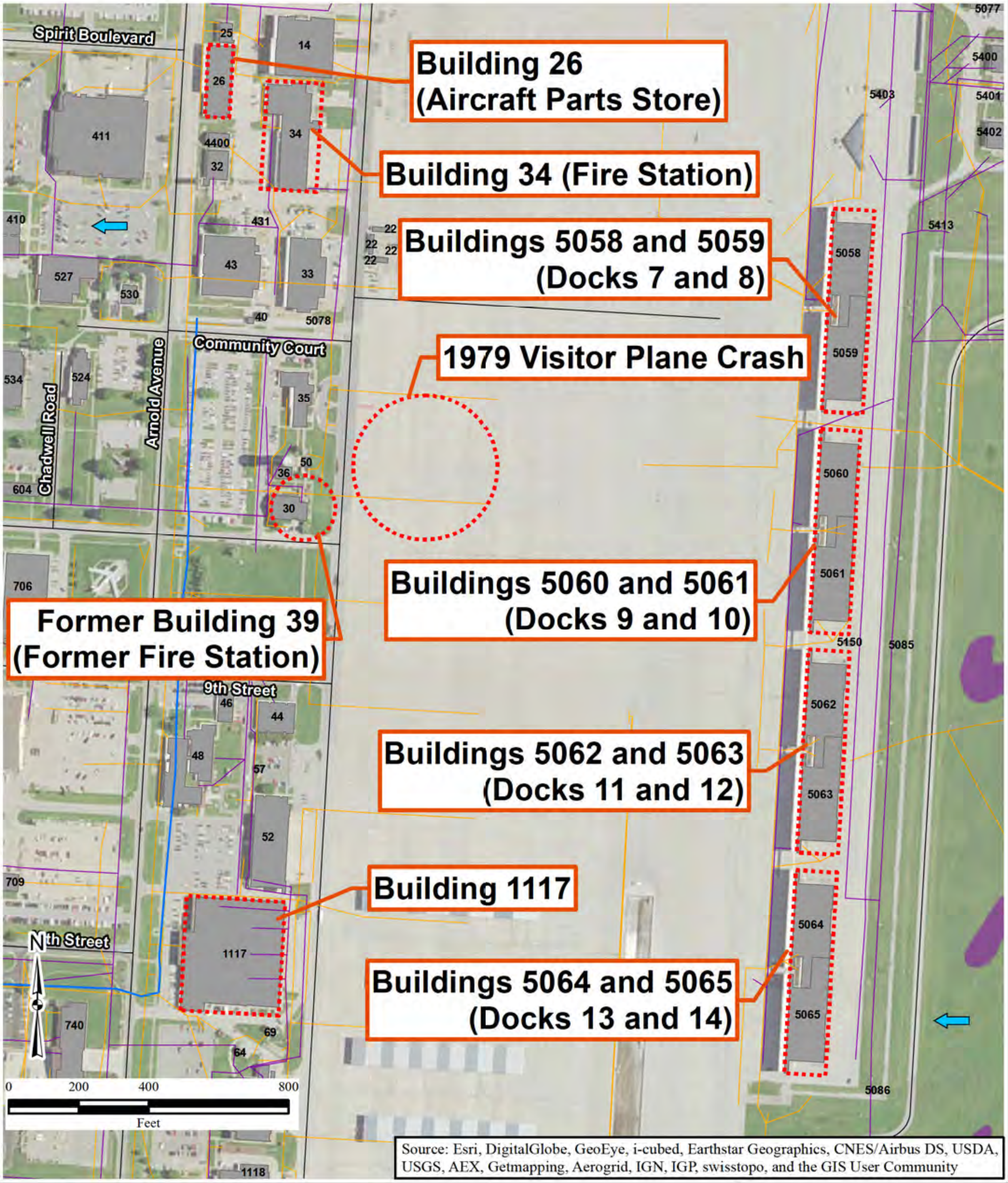

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Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

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Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Building
- Freshwater Emergent Wetland

Figure 3.2
Locations of Buildings in the Central Part of the Flightline at Whiteman AFB, Missouri

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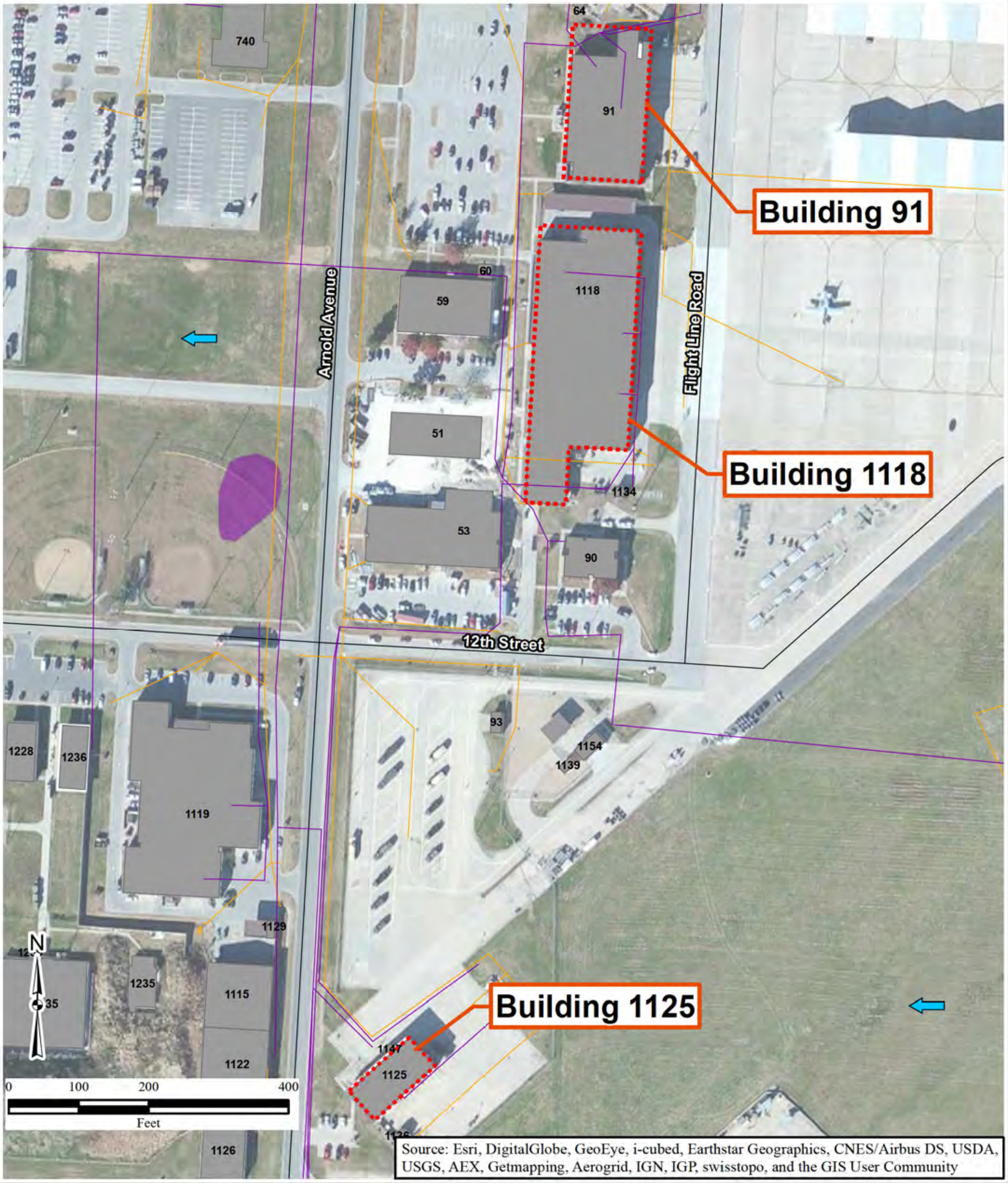

Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Approximate Location
- Building
- Freshwater Emergent Wetland

Figure 3.3
Locations of Buildings on the South End of the Flightline at Whiteman AFB, Missouri

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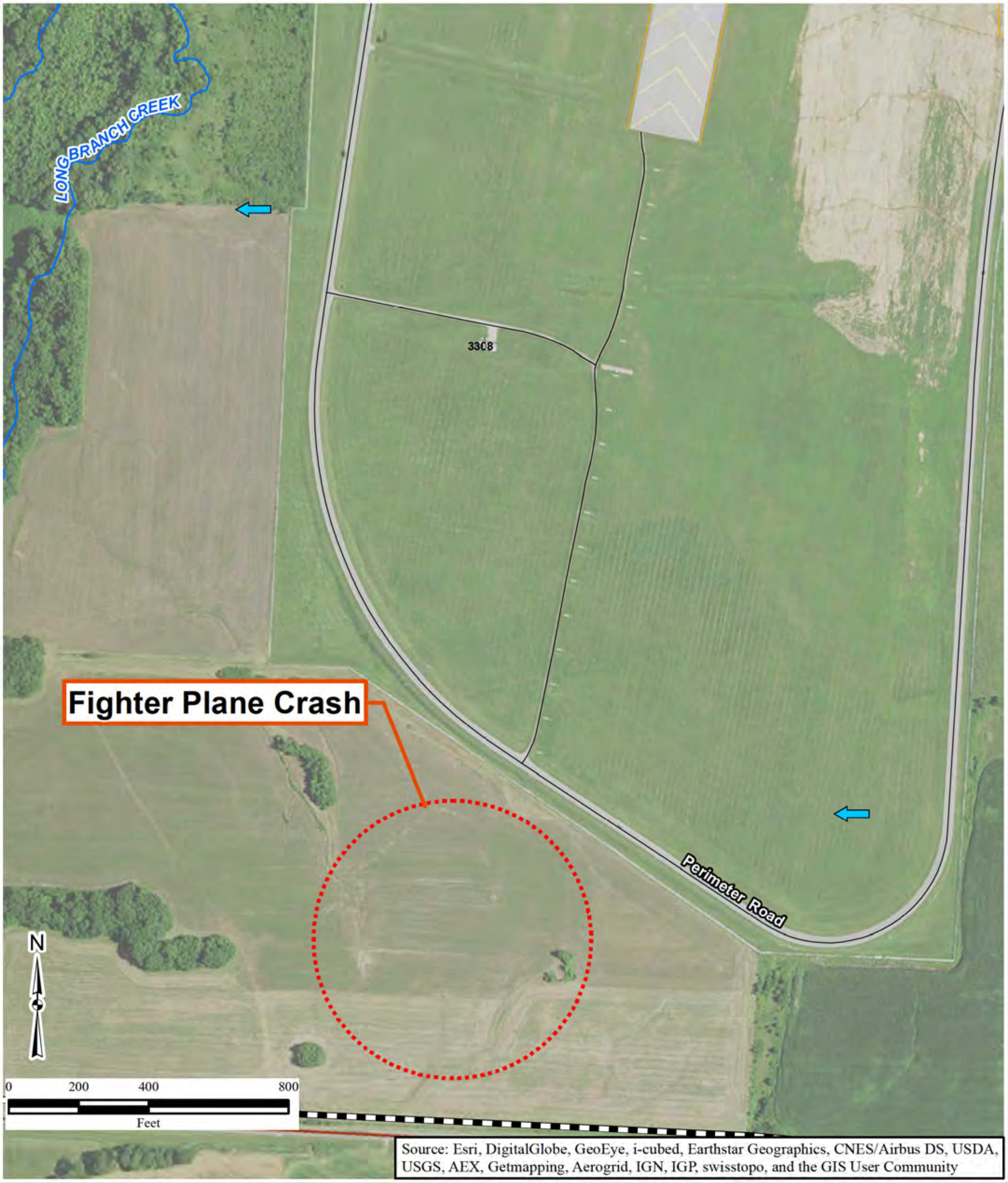

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9/21/2015 SA

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Legend

- Approximate Groundwater Flow
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Installation Boundary
- Building

Figure 3.4
Location of Fighter Plane Crash at Whiteman AFB, Missouri

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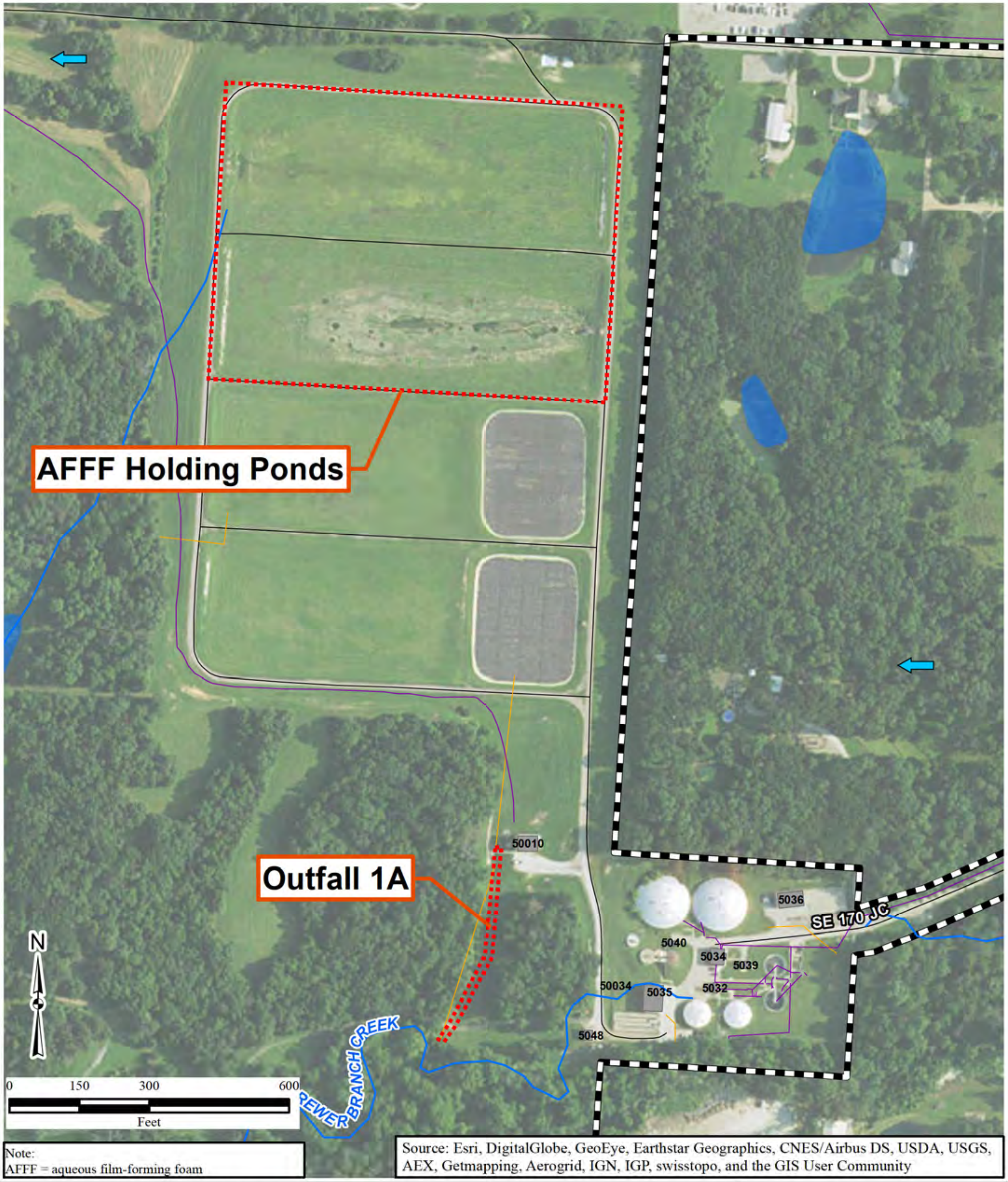

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9/29/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Installation Boundary
- Building
- Freshwater Pond

Figure 3.5
Locations of AFFF Holding Ponds and Outfall 1A at Whiteman AFB, Missouri

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4.0 SUMMARY AND CONCLUSIONS

The sections below summarize the findings of the PA for AFFF on Whiteman AFB and provide conclusions based on those findings.

4.1 SUMMARY

4.1.1 Fire Training Areas

4.1.1.1 Fire Protection Training Areas Operational After 1970

Former FTA (FT-02) was used after 1970 and could contain PFOA- and PFOS-impacted media. Former FTA (FT-16) was an active FTA, but there is no information about the location. However, based on the historical use of AFFF at former FTAs, it is possible that the locations could contain PFOA- and PFOS-impacted media.

4.1.1.2 Current Fire Training Areas

The current FTA was constructed with a berm and an HDPE liner and uses propane as a fuel source. Below the pit is a piping system that collects all runoff and discharges to the adjacent retention basin to the west. Water and AFFF have been used at this location as extinguishing agents. AFFF use has been limited to the fire training pit. Nozzle spray testing is conducted within the HDPE-lined area. AFFF use has been contained and has not impacted surrounding media.

4.1.2 Non-Fire Training Areas

4.1.2.1 Hangars

Twenty-three hangars (Buildings 1, T-9, 27, 91, 1117, 1118, 1125, 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, 5065, 5205, and 5206) currently have AFFF fire suppression systems that have floor drains leading to an assigned UST. All hangars, except Buildings 1, T-9, 27, 91, 1117, and 1118, have had system activations at some time in the past, and the AFFF was either collected and returned to the system or contained in the floor drains. Based on the engineered containment of AFFF system discharges, these hangars have a low likelihood of impacted media.

4.1.2.2 Fire Stations

Former Building 39 (Former Fire Station) housed three fire engines, but it is not known whether they contained AFFF. Building 34 (Fire Station) houses seven fire engines that contain AFFF. Inside the fire station are floor drains that lead to a fuel/water separator. Fire truck refilling takes place within the fire stations except during emergencies. AFFF stays within the engineered systems, and media are not impacted.

4.1.2.3 Emergency Response

Little information exists about the use of AFFF for the two plane crashes. Based on the interviews conducted, it is unlikely that media are impacted.

4.1.2.4 Other

Other identified areas include Building 139 (Supply Warehouse) and Building 26 (Aircraft Parts Store), where AFFF is stored in 55-gallon drums. No reports of spills or releases have been documented at these buildings.

The unlined AFFF holding ponds and Outfall 1A have received AFFF from the Base through the wastewater lines. It is likely media are impacted with PFCs.

4.2 CONCLUSIONS

Table 4.1 summarizes the findings from this PA Report and presents possible future location management decisions. The identified locations are categorized by group as follows:

- Group 1 – High mass of AFFF released and probability of groundwater contamination.
- Group 2 – Unknown mass or medium mass of AFFF released.
- Group 3 – Low mass of AFFF released.
- Group 4 – No AFFF released.

Based on the group designation and rationale for each location, recommendations are provided in Table 4.1. In accordance with the USEPA CERCLA Preliminary Assessment and Site Inspection (SI) guidance documents (USEPA, 1991; USEPA, 1992), each identified location is recommended for one of the following actions: Implement removal action due to imminent threat; Close out due to no release; Initiate a Remedial Investigation (RI); or Initiate an SI.

- Removal actions, as defined in CERCLA Section 104, are actions taken to eliminate, control, or otherwise mitigate a threat posed to public health or the environment due to a release or threatened release of hazardous substances (USEPA, 1991).
- Close out or no further remedial action planned is defined as a location disposition decision that further response under the federal Superfund is not necessary (USEPA, 1991).
- RI is defined as a field investigation to characterize the nature and extent of contamination at a location. The RI supports development, evaluation, and selection of the appropriate response alternative (USEPA, 1991).
- SI is defined as an investigation to collect and analyze waste and environmental samples to support an evaluation (USEPA, 1992).

Table 4.1
Preliminary Assessment Report Summary and Findings
Whiteman AFB, Missouri

Locations	Group	Rationale	Recommendations
Former FTA (FT-02)	Group 2	• Containment unknown. • Unknown amounts of AFFF released. • Potential for soil and groundwater contamination with PFCs. • Potential worker dermal contact with contaminated shallow groundwater. • Potential worker contact with contaminated soil.	Initiate SI.
Former FTA (FT-16)	Group 2	• Containment unknown. • Unknown amounts of AFFF released. • Potential for soil and groundwater contamination with PFCs. • Potential worker dermal contact with contaminated shallow groundwater. • Potential worker contact with contaminated soil.	Initiate SI.
Current FTA	Group 4	• AFFF used as extinguishing agent. • Containment of AFFF through closed system and lined training areas.	Close out with no additional investigation.
Buildings 5050-5055 and 5058-5065 (Docks 1-14), Buildings 5205 and 5206 (LO Facility)	Group 4	• AFFF used at each location. • Floor drains collect liquid discharges including AFFF that are conveyed to UST and then to AFFF holding ponds at the WWTP.	Close out with no additional investigation.
Buildings 1, 27, T-9, 91, 1117, 1118, and 1125	Group 4	• AFFF used at each location. • Floor drains collect liquid discharges including AFFF that are conveyed to UST and then to AFFF holding ponds at the WWTP.	Close out with no additional investigation.
Former Building 39 (Former Fire Station)	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.
Building 34 (Fire Station)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Floor drains collect liquid discharges including AFFF and are conveyed to fuel/water separator then to WWTP.	Close out with no additional investigation.
1979 Visitor Plane Crash	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.
Fighter Plane Crash	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.

Table 4.1
Preliminary Assessment Report Summary and Findings
Whiteman AFB, Missouri

Locations	Group	Rationale	Recommendations
Building 139 (Supply Warehouse)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Building serves as secondary containment to control spills.	Close out with no additional investigation.
Building 26 (Aircraft Parts Store)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Building serves as secondary containment to control spills.	Close out with no additional investigation.
AFFF Holding Ponds	Group 3	• Surface water discharge ponds for AFFF discharges from 23 hangars on Base. • Potential groundwater contamination. • Potential worker dermal contact with contaminated shallow groundwater.	Initiate SI.
Outfall 1A	Group 3	• The only surface water discharge location from WWTP.	Initiate SI.

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APPENDIX A

PHOTO DOCUMENTATION

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PHOTOGRAPH LOG

Team: S. Aselage | Date: 9-8-15 AND 9-9-15
Project Number: 495516.03.62.01 | Observation Period: Start: 9/8/15 Stop: 9/9/15
Weather: 9/8 - rainy, cloudy, 80s 9/9 - sunny / 80s

Photo No.	Time	View Direction	1A Location/Description
1	1346	S	outfall ~~oot~~ into stream (unnamed tributary)
2	1348	NW	AFFF Settling pond (North)
3	1348	SW	" " (South)
4	1351	W	outfall 1A @ sampling point
5	1449	SW	Former FT-16
6	1450	NW	" "
7	1452	N	Former FT-02
8	1507	–	Back-up supply in Supply Warehouse (Bldg 139)
9	0942	E	Current FTA training pit
10	0942	W	Current FTA Retention Pond
11	1057	–	Fire Suppression System ceiling in Docks 1-14
12	1058	–	" " " floor " "
13	1058	–	Valve Pit inside Docks 1-14
14	1059	–	Floor nozzle close-up in Docks 1-14
15	1101	–	Mechanical Room in Docks 1-14
16	1101	–	AFFF tank in Docks 1-14
17	1326	–	1,000 gallon AFFF mobile trailer @ Fire Dept.
18	1326	–	Floor drains inside Fire Station
19	1327	–	Fire Engine containing AFFF
20	1327	–	Crash fire engine containing AFFF
21	1331	–	Back-up supply in Aircraft Parts Store (Bldg 26)
22	1331	–	Label of AFFF in Bldg. 26
23	1353	–	AFFF tank @ Building 1
24	1412	–	Cannon inside Bldg T-9
25	1413	–	AFFF tank inside Bldg. T-9
26	1423	–	AFFF tank inside LO Facility
27	1424	–	Label of AFFF inside LO Facility
28	1433	–	AFFF tank inside Bldg. 1125
29	1435	–	Fire Suppression System inside Bldg. 1125
30	1435	–	Floor Drains inside Bldg. 1125
31	1439	–	AFFF tank inside 1118 building
32	1443	–	AFFF tank inside Bldg. 91
33	1444	–	AFFF tank + pump system inside Bldg. 91
34	1445	–	Floor drains inside Bldg. 91
35	1445	–	Fire suppression system inside Bldg 91
36	1448	–	AFFF tank + pump system inside Bldg. 1117

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Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

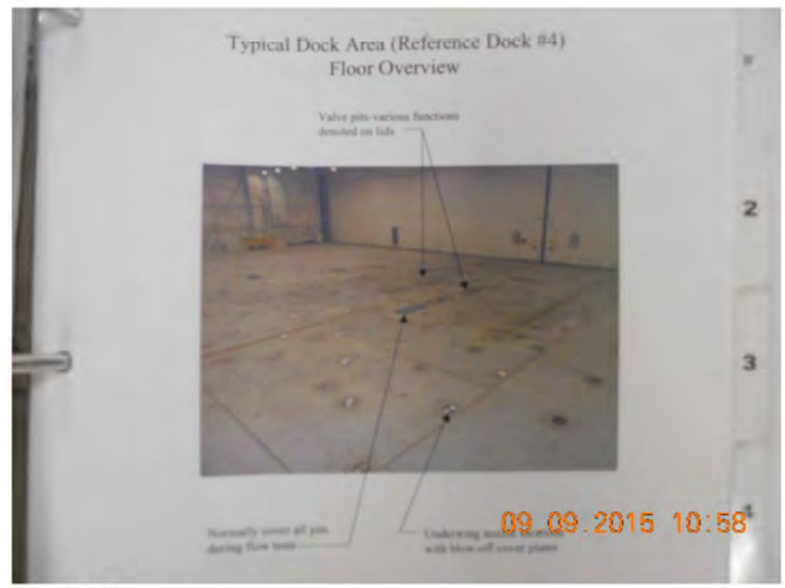
Photo 7

Photo 8

Photo 9

Photo 10

Photo 11



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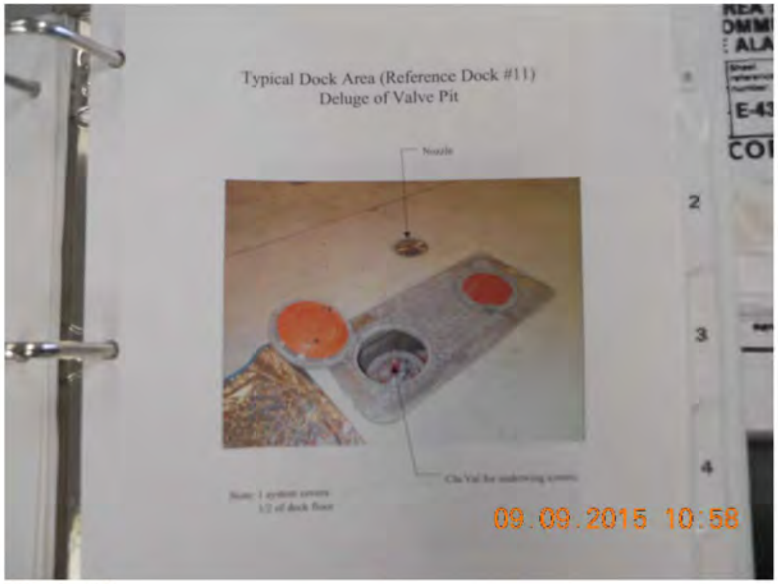
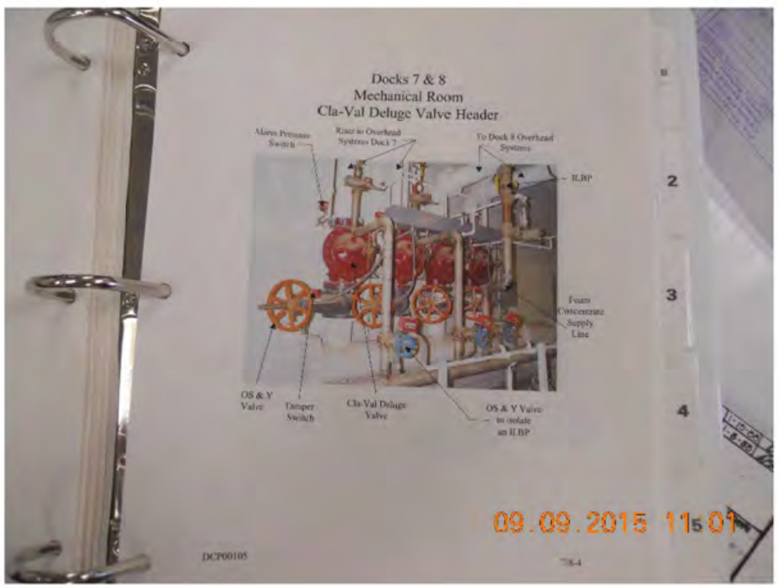


Photo 13

Photo 14



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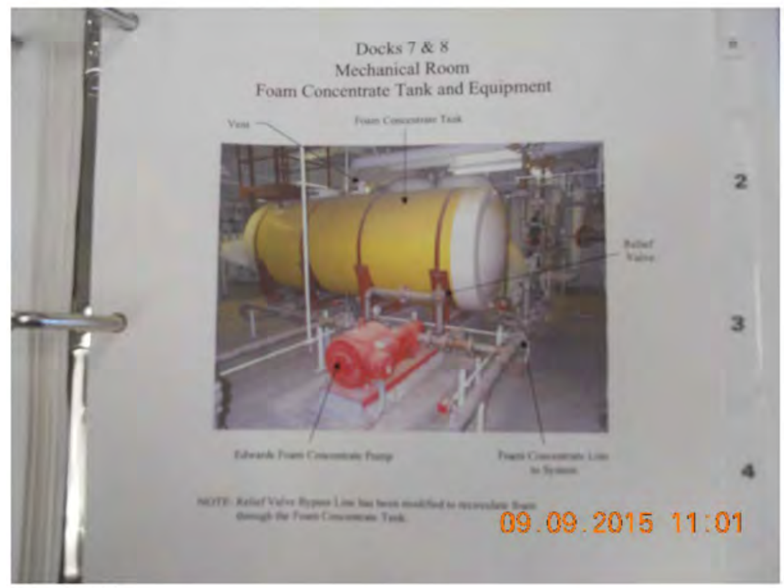

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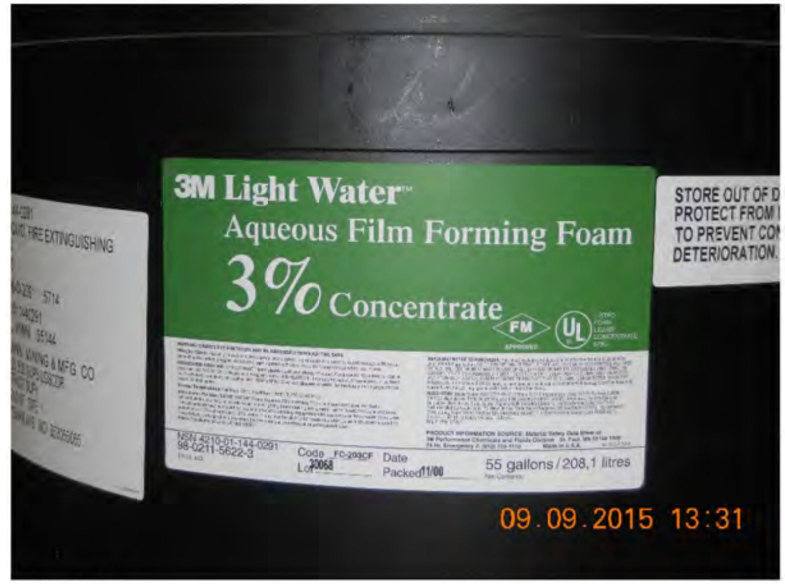
Photo 17

Photo 18

Photo 19

Photo 20

Photo 21



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APPENDIX B

FIELD DOCUMENTATION

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APPENDIX B.1

POTENTIAL HAZARDOUS WASTE SITE FORMS

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Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: Whiteman AFB	Street Address:			
City: Knob Noster	State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:

Latitude:	Longitude:	Approximate Area of Site:	Status of Site:
38°43' 4.100"N	93°33'40.469"W	~11 Acres ____ Square Ft	☒ Active ☐ Not Specified ☐ Inactive ☐ NA (GW plume, etc.)

Site Name: Former FTA (FT-02)

Site Description:

Former fire training area FT-02

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: MO	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:

Type of Ownership:	Type of Ownership:
☐ Private ☒ Federal Agency Name: AFB ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____	☐ Private ☐ Federal Agency Name: ____ ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage		Agency/Organization: CH2M HILL		Date Prepared:
Street Address: 400 E-Business Way		City: Cincinnati		State: OH
Name of EPA or State Agency Contact:		Street Address:		
City:	State:		Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation:	CERCLIS Recommendation:	Signature:
☐ Yes ☐ No Date: ____	☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ____ Date: ____	Name (typed): Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [X] Residential
- [X] Forest/Fields
- [X] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [X] Other Federal Facility: APP
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [X] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other______

Waste Generated:

- [X] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [X] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [X] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Dum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil		
[ ] Other______	______	___
[ ] No Sources	______	___

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [X] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:

☒ Yes
☐ No

If Yes, Distance to nearest Drinking Well: 160 Feet

Type of Drinking Water Wells Within 4 Miles (check all that apply):

☒ Municipal
☒ Private
☐ None

Depth to Shallowest Aquifer: ______ Feet

Karst Terrain/Aquifer Present:

☐ Yes
☐ No

Is There a Suspected Release to Ground Water[1]:

☒ Yes
☐ No

Have Primary Target Drinking Water Wells Been Identified:

☐ Yes
☒ No

If Yes, Enter Primary Target Population: ________ People[3]

Nearest Designated Wellhead Protection Area[5]:

☐ Underlies Site
☐ >0-4 Miles
☐ None Within 4 Miles

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile	________
>1/4 - 1/2 Mile	________
>1/2 - 1 Mile	________
>1 - 2 Mile	________
>2 - 3 Mile	________
>3 - 4 Mile	________
Total Within 4 Miles[4]	________

[3]Use population #s for PA Table 2

[4]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):

☒ Stream ☒ River ☐ Pond ☐ Lake
☐ Bay ☐ Ocean ☐ Other________

Shortest Overland Distance From Any Source to Surface Water:

________ Feet
________ Miles

Is There a Suspected Release to Surface Water[1]:

☒ Yes
☐ No

Site is Located in:

☐ Annual - 10 yr Floodplain
☐ >10yr - 100yr Floodplain
☐ >100yr - 500yr Floodplain
☒ >500yr Floodplain

Drinking Water Intake Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Drinking Water Intakes Been Identified:

☐ Yes
☒ No

If Yes, Distance to Nearest Drinking Water Intake: ________ Miles[6]

If Yes, Enter Population Served by Target Intake:

________ People[4]

List All Secondary Target Drinking Water Intakes:

Name:	Water Body:	Flow (cfs):	Population Served:

Total within 15 Miles [4] ________

Fisheries Located Along the Surface Water Migration Path:

☐ Yes ☒ No

If Yes, Distance to Nearest Fishery: ________ Miles

Have Primary Target Fisheries Been Identified:

☐ Yes ☒ No

List All Secondary Target Fisheries[10]:

Water Body/ Fishery Name:	Flow (cfs):

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☒ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

☐ Yes
☒ No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, Enter Total Residential Population:

________ People[2]

Number of Workers Onsite[4]:

☐ None
☐ 1 - 100
☒ 101 - 1,000
☐ > 1,000

Population Within 1 Mile:

______ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, List Each Terrestrial Sensitive Environment[5]:

____

____

____

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

☒ Yes
☐ No

Enter Total Population on or Within:

Onsite	
0-1/4 Mile	
>1/4-1/2 Mile	
>1/2-1 Mile	
>1-2 Miles	
>2-3 Miles	
>3-4 Miles	
Total Within 4 Miles[3-5]	

Wetlands Located Within 4 Miles of the Site[6]:

☒ Yes
☐ No

If Yes, How Many Acres: ______ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within 1/2 Mile of the Site[4]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	wetland
>1/4-1/2 Mile	pond/wetland

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification
State: MO
CERCLIS #:
CERCLIS Discovery Date:

1. General Site Information

Name: Whiteman AFB	Street Address:				
City: Knob Noster	State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:

Latitude: 38°42'36.357"N
Longitude: 93°33'35.695"W
Approximate Area of Site: ~1 Acres / ____ Square Ft
Status of Site: ☒ Active ☐ Not Specified ☐ Inactive ☐ NA (GW plume, etc.)

Site Name: Former FTA (FT-16)

Site Description:

Former fire trainging area FT-16

2. Owner/Operator Information

Owner	Operator
Owner: Whiteman AFB	Operator:
Street Address:	Street Address:
City: Knob Noster	City:
State: MO Zip Code: 65305 Telephone:	State: Zip Code: Telephone:

Type of Ownership (Owner):
☐ Private ☐ County
☒ Federal Agency ☐ Municipal
Name: AFB/Army ☐ Not Specified
☐ State ☐ Other____
☐ Indian

Type of Ownership (Operator):
☐ Private ☐ County
☐ Federal Agency ☐ Municipal
Name: ____ ☐ Not Specified
☐ State ☐ Other____
☐ Indian

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage	Agency/Organization: CH2M HILL	Date Prepared:
Street Address: 400 E-Business Way	City: Cincinnati	State: OH
Name of EPA or State Agency Contact:	Street Address:	
City:	State:	Telephone:

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation:
☐ Yes
☐ No
Date: ______

CERCLIS Recommendation:
☐ Higher Priority SI
☐ Lower Priority SI
☐ NFRAP
☐ RCRA
☐ Other: ______
Date: ______

Signature:
Name (typed):
Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [X] Residential
- [X] Forest/Fields
- [X] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [X] Other Federal Facility: AFB
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [X] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other ______

Waste Generated:

- [X] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [X] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [X] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Drum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil	______	___
[ ] Other ______	______	___
[ ] No Sources	______	

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [ ] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:	Is There a Suspected Release to Ground Water[1]:	List Secondary Target Population Served by Ground Water Withdrawn From:
☒ Yes ☐ No If Yes, Distance to nearest Drinking Well: 690 Feet Type of Drinking Water Wells Within 4 Miles (check all that apply): ☒ Municipal ☒ Private ☐ None	☒ Yes ☐ No Have Primary Target Drinking Water Wells Been Identified: ☐ Yes ☒ No If Yes, Enter Primary Target Population: ________ People[3]	0 - 1/4 Mile ________ >1/4 - 1/2 Mile ________ >1/2 - 1 Mile ________ >1 - 2 Mile ________ >2 - 3 Mile ________ >3 - 4 Mile ________ Total Within 4 Miles[4] ________
Depth to Shallowest Aquifer: ______ Feet Karst Terrain/Aquifer Present: ☐ Yes ☐ No	Nearest Designated Wellhead Protection Area[6]: ☐ Underlies Site ☐ >0-4 Miles ☐ None Within 4 Miles	[4]Use population #s for PA Table 2 [5]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):	Shortest Overland Distance From Any Source to Surface Water:
☒ Stream ☒ River ☐ Pond ☐ Lake ☐ Bay ☐ Ocean ☐ Other______	________ Feet ________ Miles
Is There a Suspected Release to Surface Water[1]: ☒ Yes ☐ No	Site is Located In: ☐ Annual - 10 yr Floodplain ☐ >10yr - 100yr Floodplain ☐ >100yr - 500yr Floodplain ☒ >500yr Floodplain
Drinking Water Intake Located Along the Surface Water Migration Path: ☐ Yes ☐ No Have Primary Target Drinking Water Intakes Been Identified: ☐ Yes ☒ No If Yes, Distance to Nearest Drinking Water Intake: ________ Miles[8] If Yes, Enter Population Served by Target Intake: ______ People[4]	List All Secondary Target Drinking Water Intakes: Name: Water Body: Flow (cfs): Population Served: ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ Total within 15 Miles [4] ________
Fisheries Located Along the Surface Water Migration Path: ☐ Yes ☒ No If Yes, Distance to Nearest Fishery: ________ Miles Have Primary Target Fisheries Been Identified: ☐ Yes ☒ No	List All Secondary Target Fisheries[10]: Water Body/Fishery Name: Flow (cfs): ______ ______ ______ ______ ______ ______ ______ ______

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

- [x] Yes
- [ ] No

Have Primary Target Wetlands Been Identified:

- [ ] Yes
- [x] No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

- [ ] Yes
- [x] No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, Enter Total Residential Population:

________ People[2]

Number of Workers Onsite[4]:

- [ ] None
- [ ] 1 - 100
- [x] 101 - 1,000
- [ ] > 1,000

Population Within 1 Mile:

________ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, List Each Terrestrial Sensitive Environment[5]:

____

____

____

[5] Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

- [ ] Yes
- [x] No

Enter Total Population on or Within:

Onsite	________
0-1/4 Mile	________
>1/4-1/2 Mile	________
>1/2-1 Mile	________
>1-2 Miles	________
>2-3 Miles	________
>3-4 Miles	________
Total Within 4 Miles [3-5]	________

Wetlands Located Within 4 Miles of the Site[6]:

- [x] Yes
- [ ] No

If Yes, How Many Acres: ________ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

- [ ] Yes
- [x] No

List All Sensitive Environments Within 1/2 Mile of the Site[6]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	ponds/wetlands
>1/4-1/2 Mile	ponds/wetlands

[6] Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: SA ~~AFF~~ Whiteman AFB	Street Address:				
City: Knob Noster	State: Mo	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:

Latitude: 38°43'56.411" N	Longitude: 93°35'2.031" W	Approximate Area of Site: ~12 Acres; ____ Square Ft	Status of Site: ☒ Active ☐ Not Specified ☐ Inactive ☐ NA (GW plume, etc.)

Site Name: AFFF Holding Ponds

Site Description:
Retention Ponds @ WWTP designed to capture AFFF wastewater from Hangars on Base.

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: Mo	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:

Type of Ownership:
- ☐ Private
- ☒ Federal Agency Name: AFB
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other________

Type of Ownership:
- ☐ Private
- ☐ Federal Agency Name: ________
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other________

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage	Agency/Organization: CH2M HILL		Date Prepared:
Street Address: 400 E-Business Way, ~~Suite 400~~ SA		City: Cincinnati	State: OH
Name of EPA or State Agency Contact:		Street Address:	
City:	State:	Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation: ☐ Yes ☐ No Date: ________	CERCLIS Recommendation: ☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ________ Date: ________	Signature:
		Name (typed):
		Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [x] Residential
- [x] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [x] Other Federal Facility: AFB
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [x] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other ______

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Dum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil		
[ ] Other______	______	___
[ ] No Sources	______	___

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [x] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:

- [x] Yes
- [ ] No

If Yes, Distance to nearest Drinking Well: 2,250 Feet

Type of Drinking Water Wells Within 4 Miles (check all that apply):

- [x] Municipal
- [x] Private
- [ ] None

Is There a Suspected Release to Ground Water[1]:

- [x] Yes
- [ ] No

Have Primary Target Drinking Water Wells Been Identified:

- [ ] Yes
- [x] No

If Yes, Enter Primary Target Population: ______ People[3]

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile	______
>1/4 - 1/2 Mile	______
>1/2 - 1 Mile	______
>1 - 2 Mile	______
>2 - 3 Mile	______
>3 - 4 Mile	______
Total Within 4 Miles[4]	______

Depth to Shallowest Aquifer: ______ Feet

Karst Terrain/Aquifer Present:

- [ ] Yes
- [ ] No

Nearest Designated Wellhead Protection Area[6]:

- [ ] Underlies Site
- [ ] >0-4 Miles
- [ ] None Within 4 Miles

[4]Use population #s for PA Table 2

[6]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):

- [x] Stream
- [x] River
- [ ] Pond
- [ ] Lake
- [ ] Bay
- [ ] Ocean
- [ ] Other______

Shortest Overland Distance From Any Source to Surface Water:

______ Feet
______ Miles

Is There a Suspected Release to Surface Water[1]:

- [x] Yes
- [ ] No

Site is Located In:

- [ ] Annual - 10 yr Floodplain
- [ ] >10yr - 100yr Floodplain
- [ ] >100yr - 500yr Floodplain
- [x] >500yr Floodplain

Drinking Water Intake Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

Have Primary Target Drinking Water Intakes Been Identified:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Drinking Water Intake: ______ Miles[9]

If Yes, Enter Population Served by Target Intake: ______ People[4]

List All Secondary Target Drinking Water Intakes:

Name:	Water Body:	Flow (cfs):	Population Served:

Total within 15 Miles[4] ______

Fisheries Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Fishery: ______ Miles

Have Primary Target Fisheries Been Identified:

- [ ] Yes
- [x] No

List All Secondary Target Fisheries[10]:

Water Body/ Fishery Name:	Flow (cfs):

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☒ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

If Yes, Distance to Nearest Sensitive Environment: ______ Miles

Have Primary Target Sensitive Environments Been Identified:

☐ Yes
☒ No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, Enter Total Residential Population:

______ People[2]

Number of Workers Onsite[4]:

☐ None
☒ 1 - 100
☐ 101 - 1,000
☐ > 1,000

Population Within 1 Mile:

______ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, List Each Terrestrial Sensitive Environment[5]:

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

☐ Yes
☒ No

Enter Total Population on or Within:

Onsite	
0-1/4 Mile	
>1/4-1/2 Mile	
>1/2-1 Mile	
>1-2 Miles	
>2-3 Miles	
>3-4 Miles	
Total Within 4 Miles [3-5]	

Wetlands Located Within 4 Miles of the Site[6]:

☒ Yes
☐ No

If Yes, How Many Acres: ______ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within 1/2 Mile of the Site[6]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	ponds
>1/4-1/2 Mile	ponds

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: Whiteman AFB	Street Address:				
City: Knob Noster	State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:
Latitude: 38°43'41.446"N	Longitude: 93°35'0.153"W	Approximate Area of Site: ~0.2 Acres / ____ Square Ft	Status of Site: ☒ Active ☐ Inactive	☐ Not Specified ☐ NA (GW plume, etc.)	

Site Name: Outfall 1A

Site Description:

NPDES outfall for WWTP @ Whiteman AFB

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: Mo	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:

Type of Ownership (Owner):
- ☐ Private
- ☒ Federal Agency Name: AFB
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other________

Type of Ownership (Operator):
- ☐ Private
- ☐ Federal Agency Name: ______
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other________

3. Site Evaluator Information

Name of Evaluator: Stephanie Asclage	Agency/Organization: CH2M Hill		Date Prepared:
Street Address: 400 E. Business Way	City: Cincinnati		State: OH
Name of EPA or State Agency Contact:	Street Address:		
City:	State:	Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation:	CERCLIS Recommendation:	Signature:
☐ Yes ☐ No Date: ________	☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ______ Date: ________	Name (typed): Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [x] Residential
- [x] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [x] Other Federal Facility A F B
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [x] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other ______

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Dum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil	______	___
[ ] Other______	______	___
[ ] No Sources		

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [x] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles: ☒ Yes ☐ No If Yes, Distance to nearest Drinking Well: 2,560 Feet Type of Drinking Water Wells Within 4 Miles (check all that apply): ☒ Municipal ☒ Private ☐ None	Is There a Suspected Release to Ground Water[1]: ☒ Yes ☐ No Have Primary Target Drinking Water Wells Been Identified: ☐ Yes ☒ No If Yes, Enter Primary Target Population: ______ People[3]	List Secondary Target Population Served by Ground Water Withdrawn From: 0 - 1/4 Mile ______ >1/4 - 1/2 Mile ______ >1/2 - 1 Mile ______ >1 - 2 Mile ______ >2 - 3 Mile ______ >3 - 4 Mile ______ Total Within 4 Miles[4] ______ [4]Use population #s for PA Table 2 [5]Note nearest well for #5 on GW Pathway Scoresheet
Depth to Shallowest Aquifer: ______ Feet Karst Terrain/Aquifer Present: ☐ Yes ☐ No	Nearest Designated Wellhead Protection Area[6]: ☐ Underlies Site ☐ >0-4 Miles ☐ None Within 4 Miles	

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply): ☒ Stream ☒ River ☐ Pond ☐ Lake ☐ Bay ☐ Ocean ☐ Other______	Shortest Overland Distance From Any Source to Surface Water: ______ Feet ______ Miles
Is There a Suspected Release to Surface Water[1]: ☒ Yes ☐ No	Site is Located in: ☐ Annual - 10 yr Floodplain ☐ >10yr - 100yr Floodplain ☐ >100yr - 500yr Floodplain ☒ >500yr Floodplain
Drinking Water Intake Located Along the Surface Water Migration Path: ☐ Yes ☒ No Have Primary Target Drinking Water Intakes Been Identified: ☐ Yes ☒ No If Yes, Distance to Nearest Drinking Water Intake: ______ Miles[6] If Yes, Enter Population Served by Target Intake: ______ People[4]	List All Secondary Target Drinking Water Intakes: Name: Water Body: Flow (cfs): Population Served: ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ Total within 15 Miles[4] ______
Fisheries Located Along the Surface Water Migration Path: ☐ Yes ☒ No If Yes, Distance to Nearest Fishery: ______ Miles Have Primary Target Fisheries Been Identified: ☐ Yes ☒ No	List All Secondary Target Fisheries[10]: Water Body/ Fishery Name: Flow (cfs): ______ ______ ______ ______ ______ ______ ______ ______

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☒ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

☐ Yes
☒ No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, Enter Total Residential Population:

________ People[2]

Number of Workers Onsite[4]:

☐ None
☒ 1 - 100
☐ 101 - 1,000
☐ > 1,000

Population Within 1 Mile:

______ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, List Each Terrestrial Sensitive Environment[5]:

____

____

____

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

☐ Yes
☒ No

Enter Total Population on or Within:

Onsite	________
0-1/4 Mile	________
>1/4-1/2 Mile	________
>1/2-1 Mile	________
>1-2 Miles	________
>2-3 Miles	________
>3-4 Miles	________
Total Within 4 Miles [3-5]	________

Wetlands Located Within 4 Miles of the Site[6]:

☒ Yes
☐ No

If Yes, How Many Acres: _______ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within 1/2 Mile of the Site[6]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	Ponds
>1/4-1/2 Mile	ponds

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

APPENDIX B.2

FIELD NOTES

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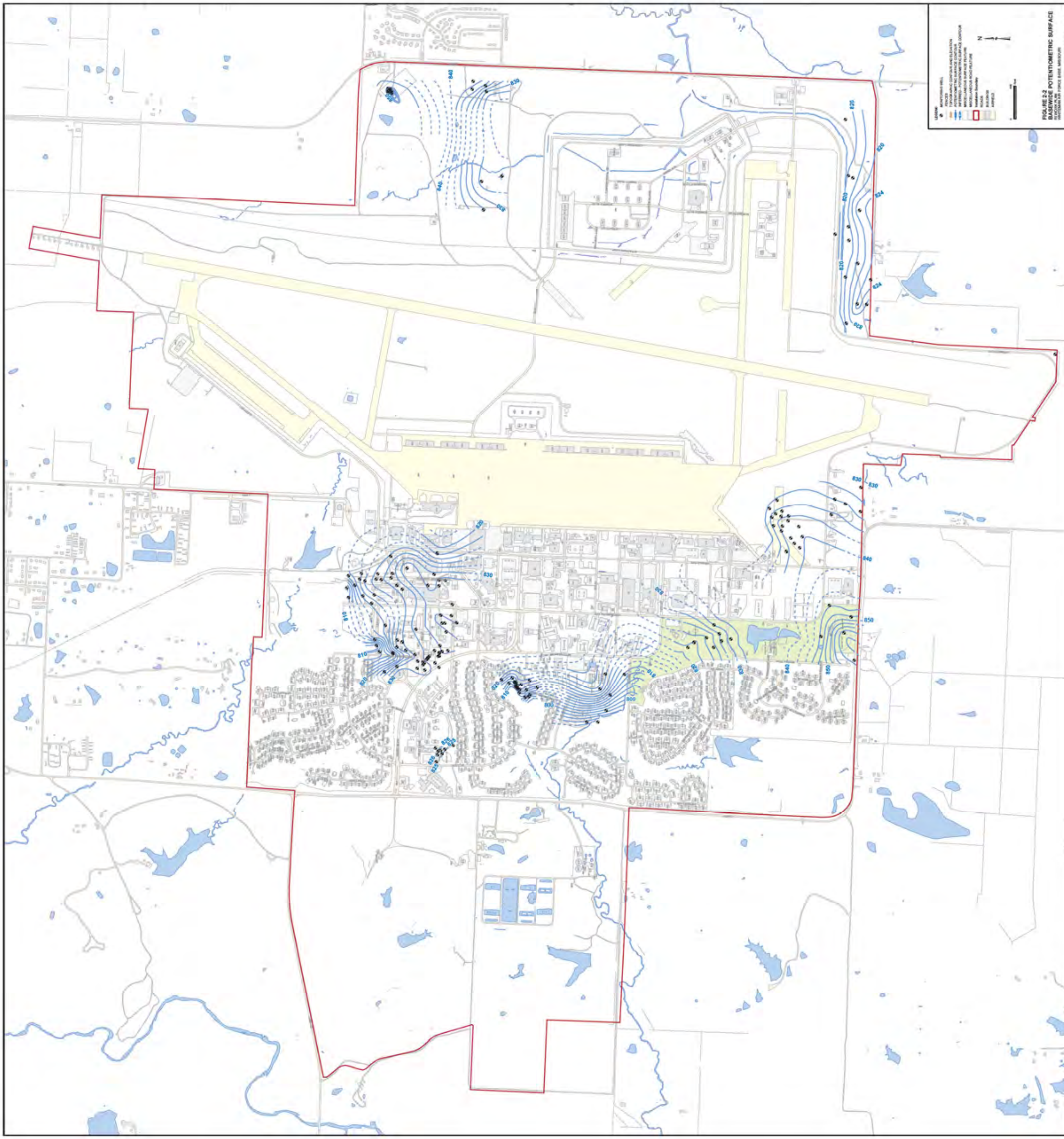
FIGURE 2-2
BASEWIDE POTENTIOMETRIC SURFACE
CH2MHILL

Jerry Blaisdell

Interview Questions

Fire Chief / fire chief designee / fire suppression system manager

AFFF

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?
   - 3% Docks/Hangars w/ exception of HE (Hgr 52 and Hgr1720
     6% historically
2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, Chemguard)?
   - Ansul, 3M, Chem guard
3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?
   - All Hangars, Docks, Fire Department Live Fire Training Area, fire station, and Bldgs 1125 (Refueler Maint), Bldg 26 (B-2 Parts Warehouse), Bldg 91(Aircraft Maint), all fire apparatus and AFFF trailers.

Hangars and Buildings

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?
   - All Docks/Hangars, and Bldg 1125 have AFFF except Hangar 52 and 1720 which have HE.
5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems? Yes
6. Can you describe the procedure on how the suppression systems are supplied with AFFF?
   - In docks 1-14, Bldgs, 1117, 1118, and 1125 the AFFF is pumped to AFFF proportioning valves. In Bldgs 1,9,27, and 52 bladder tanks are used
7. Have there been inadvertent releases of AFFF from hangar fire suppression systems? When? Yes, see attached.
8. How are releases handled (i.e. when the suppression system goes off)?
   - The AFFF is washed down and goes to a 250,000 gallon industrial storage tank where the WWTP processes it.

Trucks and Trailers

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

   - All FES apparatus and trailers are parked in B34 – Fire Station. See attached FES AFFF inventory

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

    - See attached FES AFFF inventory

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

    - Yes

12. How often are these spray tests performed and can you provide the locations of these tests?
    - Annually

13. Can you describe the procedure on how trucks and trailers are supplied with AFFF? Where does this resupply occur? Is there secondary containment in this area?

    FES apparatus is reserviced on scene through the use of an AFFF Transfer Pump and two foam trailers. There may not be secondary containment available.

14. Can you provide the procedures on how these vehicles are cleaned/decontaminated and where vehicle cleaning is performed currently as well as in the past?
    w/in station /fuelows → WWTP thru sanitary lines

    Vehicles are cleaned with soap and water and cleaned in the fire apparatus bay where drains are connected to a fuel/water separator

15. When AFFF was used during a fire training exercise, how was the AFFF cleaned up and disposed of?

    AFFF is no longer used for exercises as JP-4/8 fires have been replaced by Propane type fires for live fire training

Records, Spill logs, Historical Information

16. Do you have recollection or records of AFFF being used in response to:
    a. Fuel releases to prevent fires
    b. Historical emergency response sites (i.e. crash sites and fires)
    c. Emergency runway landings where foam might have been used as a precaution

17. If not written records or incomplete written records, do you have anecdotal/verbal information and locations of spills or other emergency response incidents where AFFF was used?

18. What are the non-FTA locations where:
    a. AFFF release systems are installed (i.e. Hangars, Wastewater Treatment Plants, and Fire Stations)
    b. Where are these locations that currently contain or have contained AFFF (Building numbers)
    c. If converted from AFFF, when did they convert the system to high expansion foam

- Can you provide any other locations where AFFF has been stored, released, or used (i.e. hangars, buildings, fire stations, firefighting equipment testing and maintenance areas, emergency response sites, storm water/surface water, waste water treatment plants, and AFFF ponds/lagoons)?

Environmental Manager

FTAs

19. Confirm all FTAs identified during research are correct, and list FTAs identified during site visit.

20. What are the years of operation for each FTA?

21. How many FTAs are active versus inactive?

22. What types of fuels/flammables were used at the FTAs?

23. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one?

24. Can we have a baswide map of monitoring well locations?

25. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail.

26. Do you have a chrome plating shop on base? Years of operation?

27. Where does your water supply come from?

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1		Hangar Bldg #									Please send completed spreadsheet to Select Types of Fire Suppression Systems that are Installed										
2			Foam Data			Underwing System			raymond.hansen@us.af.mil (850) 523-6317 or (850) 283-6317 Overhead System												
3	Base/Site		Foam Tank Size [Gal]	Foam %	Foam Brand Name/ NSN/ Mil Spec#	High Expansion Foam	AFFF	None	High Expansion Foam	Conventional Wet-pipe Sprinklers	Conventional Preaction Sprinklers	Conventional Water Deluge (open) Sprinklers	Foam-Water Closed-head Sprinklers	Foam-Water Deluge (open head) Sprinklers	Overhead Foam Generators	None	Are Any Other Fire Protection Systems Provided? (please list)	Are Foam System Abort Switches Provided? (Y or N)	Have there been any recent inadvertent foam discharges in this hangar? (Y or N)	POC-Name	Phone/DSN
4	Whiteman AFB	1	600	3	MIL-F-24385		4 Monitors/ 4 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
5	Whiteman AFB	T-9	1200	3	MIL-F-24385		8 Monitors/ 8 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
6	Whiteman AFB	27	600	3	MIL-F-24385		4 Monitors				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
7	Whiteman AFB	52 (High EXP)	200	2	Chemguard C2			X	X	X					X		Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
8	Whiteman AFB	91	600	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
9	Whiteman AFB	1117	1000	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
10	Whiteman AFB	1118	600	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
11	Whiteman AFB	1125	600	3	MIL-F-24385F			X						X			Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
12	Whiteman AFB	5050	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
13	Whiteman AFB	5051	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
14	Whiteman AFB	5052	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
15	Whiteman AFB	5053	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
16	Whiteman AFB	5054	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
17	Whiteman AFB	5055	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
18	Whiteman AFB	5058	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
19	Whiteman AFB	5059	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
20	Whiteman AFB	5060	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
21	Whiteman AFB	5061	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
22	Whiteman AFB	5062	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
23	Whiteman AFB	5063	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
24	Whiteman AFB	5064	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
25	Whiteman AFB	5065	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
26	Whiteman AFB	5205	1000	3	MIL-F-24385F		X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
27	Whiteman AFB	5206	0				X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
28	Whiteman AFB Army Guard Hangar	1720 (High EXP)	500	2	Chemguard C2				X	X					X		Wet Pipe - Admin Areas				
29	Whiteman AFB Army Guard Hangar	1721 (High EXP)	300	2	Chemguard C2				X						X						
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39			27400	Total Foam in Gal.																	

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1988
Current Fire Station

Tests
~ 5[illegible] gallons

FOAM STOCK LEVELS (3M)			DRY CHEM LEVELS	
In Station			**In Station**	
210 gallons		Crash 14	450 lbs	
Sent to BAFB IAW WRP		Crash 3	Sent to BAFB IAW WRP	
420 gallons		Crash 4	450 lbs	
420 gallons		Crash 5	450 lbs	
420 gallons		Crash 6	450 lbs	
55 gallons		E-7 (Old)	0	
55 gallons		E-8	0	
55 gallons		E-10	0	
1635 x2= Authorized (3270)		**Required**	**1800 x2= Authorized (3600)**	
1000 gallons	Foam 20	Mezzanine	1100 lbs	
1000 gallons	Foam 21			
3635		**On Hand**	**2900**	
55 gallons	x 62 barrels	Base Supply	50 lbs	x 55 cans
55 gallons	x 13 barrels	APS		
4125		**Total at Supply**	**2750**	

SN- 4210011440291

Custome Phone Number: 4044/1290
Base Sup Phone Number: 4108
APS Phone Number: 5339
Standby Number: (660) 563-1037

SN-4210007529343

To Order- Fill Out AF 2005
Days- Customer Service
Nights- APS

Updated: 3 Sep 15

BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF

From:	REBIK, EMIL L Maj USAF AFGSC 509 CES/CEO
Sent:	Thursday, December 05, 2013 6:56 AM
To:	WILT, AARON N Lt Col USAF AFGSC 509 CES/CC
Cc:	WHEELER, MARK H GS-13 USAF AFGSC 509 CES/CEP; NUGENT, KENDALL W GS-14 USAF AFGSC 509 CES/CD; LEMOINE, DANIEL P WS-15 USAF AFGSC 509 CES/CEO; BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF
Subject:	RE: Hangar Fire Suppression Systems and Inadvertent Releases
Attachments:	Background Paper UVIRs.docx

Lt Col Wilt,

We have not had any accidental dumps due to system failure. However there were a few due to human error; the doors were left open and the pipes froze; resulting in an AFFF activation. Another incident occurred when the doors were open, the system was left on and it sensed a flame from outside the hanger; activating the AFFF. Last recorded event for the docks was in 2003, please see attached BBP for additional details.

Very Respectfully,
Maj Rebik

-----Original Message-----
From: WILT, AARON N Lt Col USAF AFGSC 509 CES/CC
Sent: Wednesday, December 04, 2013 4:26 PM
To: BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF; REBIK, EMIL L Maj USAF AFGSC 509 CES/CEO
Cc: WHEELER, MARK H GS-13 USAF AFGSC 509 CES/CEP; NUGENT, KENDALL W GS-14 USAF AFGSC 509 CES/CD
Subject: FW: Hangar Fire Suppression Systems and Inadvertant Releases

Have we had any fire suppression activations here in recent memory per the traffic below?

v/r

AARON N. WILT, Lt Col, USAF
Commander, 509th Civil Engineer Squadron

"Engineers...Carry the Load!

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-----Original Message-----
From: HOUGHTON, RICHARD H Col USAF AFGSC AFGSC/A7O

Point Paper on Whiteman AFB,
Aircraft Maintenance Facilities Fire Alarm/Suppression Systems

This is a history of alarm activations and AFFF dumps by facility either explained or unexplained:

1. Dock 1, facility 5050, accepted in to service on 23 Jul 91
    a. May 1997 AFFF pump run no flow caused by malfunctioning flow switch
    b. Jan 2000 alarm activation caused by personnel shutting off UVIRs

2. Dock 2, facility 5051, accepted in to service on 23 Jul 91
    a. Jun 1996 Full flow caused by contractor replacing remote circuit board
    b. May 1997 AFFF pump run no flow caused by malfunctioning flow switch

3. Dock 3, facility 5052, accepted in to service on 14 Jan 94
   No Activations

4. Dock 4, facility 5053 accepted into service on 14 Jan 94
    a. Jun 2004 underwing AFFF flow caused by power surge during controller reset found a loose connection in wiring harness

5. Dock 5, facility 5054 accepted in to service on 12 Nov 95
    a. Jun 97 AFFF pump run, no release, unknown caused
    b. Feb 00 automatic fire alarm, no release, unknown cause
    c. Jul 00 AFFF pump run, no release, caused by personnel working on flow switch,
    d. Aug 00 AFFF pump run, no release, unknown cause
    e. Oct 00 Pure AFFF flow in Dock (no water) cause by pressure reducing valve leaking
    f. Oct 00 AFFF pump run, no release, unknown cause
    g. Nov 00 AFFF pump run, no release, unknown cause

6. Dock 6, facility 5054 accepted in to service on 12 Nov 95
    a. Jun 97 AFFF pump run, no release, unknown caused
    b. Jul 00 AFFF pump run, caused by personnel working on flow switch, no release
    c. Aug 00 AFFF pump run, no release, unknown cause
    d. Oct 00 Pure AFFF flow in Dock (no water) cause by pressure reducing valve leaking
    e. Oct 00 AFFF pump run, no release unknown cause
    f. Nov 00 AFFF pump run, no release, unknown cause

7. Dock 7, facility 5058 accepted into service on 8 Sep 95
    a. Sep 98 AFFF pump run, no release, caused during annual test
    b. Dec 04 AFFF full flow, caused by dump button being pushed

8. Dock 8, facility 5059 accepted into service on 8 Sep 95
    a. Sep 98 pump run, no release, caused during annual test

9. Dock 9, facility 5060 accepted into service on 18 Sep 96
    a. General alarm from UVIR, no release, unknown cause
    b. Oct 00 AFFF pump run, caused by ruptured AFFF pipe in mechanical room

10. Dock 10, facility 5061 accepted into service on 18 Sep 96
    a. Oct 00 AFFF pump run caused by ruptured AFFF pipe in mechanical room

11. Dock 11, facility 5062 accepted into service on 29 Jul 97
    a. Jan 00 AFFF full flow, caused by manual dump button being pushed
    b. Jun 03 AFFF full flow, doors left open during air show, rocket truck activated UVIR.

12. Dock 12, facility 5063 accepted into service on 29 Jul 97
    a. Jan 04 AFFF full flow, caused by manual dump button being push

13. Dock 13, facility 5064 accepted into service on 9 Jul 99
    a. Jan 00 AFFF full flow, caused by fire detection system malfunction
    b. Apr 00 AFFF full flow, caused by fire detection system malfunction
    c. Nov 00 active alarm that AFFF pump running, no release, unknown cause
    d. Dec 00 active alarm that AFFF pump running, no release, unknown cause
    e. Jan 01 active alarm that AFFF pump running, no release, unknown cause

14. Dock 14, facility 5065 accepted into service on 9 Jul 99
    a. Nov 00 active alarm that AFFF pump running, no release, unknown cause
    b. Dec 00 active alarm that AFFF pump running, no release, unknown cause
    c. Jan 01 active alarm that AFFF pump running, no release, unknown cause
    d. Mar 03 full flow with AFFF caused by individual pushing dump button

Corrective actions taken to eliminate activations:

1. Nov 00 dock five and six deluge valves were rebuilt and wiring to the flow switches was removed from the activation circuits.

2. Jan 01 all docks had the AFFF surge tanks isolated per ACC directive.

3. Jan 01 all docks had the overhead and underwing flow switches removed from activation circuits.

4. Jul 02 all docks AFFF to the overhead system was isolated from flow per ACC directive.

5. Push button switches for manual dump operations were changed, new key operated switches installed.

6. Oct 03 all docks AFFF systems were placed back in service per ACC directive.

Each dock has had a comprehensive fire alarm detection and suppression system inspection and functional check, annually since the facility was accepted into service.

Whiteman AFB has has 35 facilities that have Siemens' and/or Pyrotronic's panels of that 17 facilities directly affect aircraft maintenance operations 14 of these are docks 1-14, building 1, building 9 and building 91. The Electrical Systems section can perform a simple isolation operation for the 17 facilities that will disable the solenoids that allow AFFF flow. This simple operation would turn off the switches in the fire alarm panels in each facility to isolate the activation solenoids. This isolation operation would take the section about four hours to accomplish and would prevent an accidental discharge of AFFF in the facilities.

A more complex isolation operation could be performed that would allow for manual dump of water and AFFF. This operation would take several hours per facility because each facility is slightly different from the next and each facility would need a full fire detection and suppression system operational check to ensure proper connection of the manual dump circuit. During this function check, we would isolate the AFFF pumps but would cause water flow. Upon returning the systems to normal operation and reporting, the facility would again need a full function test to ensure the systems functioning properly.

Whiteman AFB Electrical Systems fire alarm technicians have changed the testing procedures as necessary to ensure that the detection and suppression systems function as designed. Since the systems were placed back in service in 2003 the only AFFF discharges have been caused by human error and not by equipment malfunction.

BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF

From:	BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF
Sent:	Tuesday, June 23, 2015 10:15 AM
To:	SPRAGUE, TIMOTHY C GS-12 USAF AFGSC 2 CES/CEF
Cc:	HANSEN, MATTHEW A SMSgt USAF AFGSC 509 CES/CEFO; ROBINSON, TIMOTHY E GS-10 USAF AFGSC 509 CES/CEFP; LOPEZ, JASON A SSgt USAF AFGSC 509 CES/CEFO
Subject:	RE: FOUO\\ FW: AFFF Inventory **SUSPENSE 30 Jun 2015**
Attachments:	Whiteman AFFF Inventory (June 15) AFGSC.xlsx

Tim

Whiteman's info is attached. I think the spreadsheet is flawed unless we're not counting agent in vehicles as part agent on-hand. For example in our case, we have 1,635 in vehicles and 2 x 1K gallon foam trailers for a total of 3,635 (on-hand). The spreadsheet shows I have 2,000 gallons excess when in reality it should show 365 gallons excess (3,635 - 1,635 x 2). The only way this works is if you don't count the agent in your vehicles as agent on-hand.

Supply has 4,125 gallons (3M) as backup to the AFFF systems in our Docks/Hangars.

There are an additional 15 tanks of various sizes (600 - 3,000 gallons) totaling 27,200 gallons (3M) that support the AFFF systems.

If all the AFFF was counted it would breakout as follows:

AFFF to support FD fire ground operations	= 3,635
AFFF to support AFFF systems	= 27,200
AFFF in Supply	= 4,125
Total AFFF on Whiteman	= 34,960 gallons

If you have any questions, or desire further clarification, let me know.

Thx, Jerry

JERRY G. BLAISDELL
Chief, Fire Emergency Services
509 CES/CEF
660 10th Street, Suite 211
Whiteman AFB, MO 65305

-----Original Message-----
From: SPRAGUE, TIMOTHY C GS-12 USAF AFGSC 2 CES/CEF
Sent: Friday, June 12, 2015 4:13 PM
To: TRUNDLE, JOSHUA S SMSgt USAF 341 CES/CEF; MCDOUGALL, JOHN P GS-12 USAF AFGSC 90

Interview Questions

<u>Fire Chief / fire chief designee / fire suppression system manager</u>

<u>AFFF</u>

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?

2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, Chemguard)?

3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?

<u>Hangars and Buildings</u>

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?

5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems?

6. Can you describe the procedure on how the suppression systems are supplied with AFFF?

7. Have there been inadvertent releases of AFFF from hangar fire suppression systems? When?

8. How are releases handled (i.e. when the suppression system goes off)?

<u>Trucks and Trailers</u>

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

12. How often are these spray tests performed and can you provide the locations of these tests?

13. Can you describe the procedure on how trucks and trailers are supplied with AFFF? Where does this resupply occur? Is there secondary containment in this area?

14. Can you provide the procedures on how these vehicles are cleaned/decontaminated and where vehicle cleaning is performed currently as well as in the past?

15. When AFFF was used during a fire training exercise, how was the AFFF cleaned up and disposed of?

Records, Spill logs, Historical Information

16. Do you have recollection or records of AFFF being used in response to:
    a. Fuel releases to prevent fires
    b. Historical emergency response sites (i.e. crash sites and fires)
    c. Emergency runway landings where foam might have been used as a precaution

17. If not written records or incomplete written records, do you have anecdotal/verbal information and locations of spills or other emergency response incidents where AFFF was used?

18. What are the non-FTA locations where:
    a. AFFF release systems are installed (i.e. Hangars, Wastewater Treatment Plants, and Fire Stations)
    b. Where are these locations that currently contain or have contained AFFF (Building numbers)
    c. If converted from AFFF, when did they convert the system to high expansion foam

19. Can you provide any other locations where AFFF has been stored, released, or used (i.e. hangars, buildings, fire stations, firefighting equipment testing and maintenance areas, emergency response sites, storm water/surface water, waste water treatment plants, and AFFF ponds/lagoons)?

Environmental Manager

FTAs

20. Confirm all FTAs identified during research are correct, and list FTAs identified during site visit. Only two that I know of, the current current one and the old one beneath Bldg 1720.

21. What are the years of operation for each FTA? Not sure, Fire Chief may know.

22. How many FTAs are active versus inactive? One active, one inactive and closed.

23. What types of fuels/flammables were used at the FTAs? JP-8, solvents.

24. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one? Not sure.

25. Can we have a baswide map of monitoring well locations? Doesn't exist.

26. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail. Fire Chief.

27. Do you have a chrome plating shop on base? Years of operation? No.

28. Where does your water supply come from? Our own wells completed in formations 800 to 1000 ft. deep. Confining layer at about 30 ft. bgs.

8 Sep 15
Hooker
0900

Paul Tracy

Steve Chabotte
x3607

Interview Questions

Fire Chief / fire chief designee / fire suppression system manager

AFFF

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?

2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, Chemguard)? National Foam

3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?

Hangars and Buildings

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?

5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems? 3000 in docks x 7 = 21,000 Lo Facility

6. Can you describe the procedure on how the suppression systems are supplied with AFFF?
Pumps AFFF to system Mixes @ 3% with water

7. Have there been inadvertent releases of AFFF from hangar fire suppression systems?
When? Air show 2010-2012 Jet Car exhaust drifted into open hanger door

8. How are releases handled (i.e. when the suppression system goes off)?
Captured in 250K gal tank, sent to WWTP when ready

Trucks and Trailers

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

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Records. Spill logs. Historical Information

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FTAs

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24. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one?

25. Can we have a baswide map of monitoring well locations?

26. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail.

27. Do you have a chrome plating shop on base? Years of operation?

28. Where does your water supply come from?
8 Water Wells – Lime Softning Plant

From: TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
To: Aselage, Stephanie/CIN
Subject: RE: Well data info
Date: Tuesday, September 15, 2015 12:08:48 PM

I believe that was in 2010

Thanks
Paul

-----Original Message-----
From: Stephanie.Aselage@ch2m.com [mailto:Stephanie.Aselage@ch2m.com]
Sent: Tuesday, September 15, 2015 10:49 AM
To: TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
Cc: CHABOTTE, STEVEN L GS-11 USAF AFGSC 509 CES/CEIEC
Subject: RE: Well data info

Thanks Paul for the well information!

Also, do you know the year that the outfall drainage was converted from the open drain to the underground closed pipe?

Thanks!
Stephanie

Stephanie Aselage
Environmental Scientist
D 1 513-587-7088

CH2M
10123 Alliance Road, Suite 300
Cincinnati, OH 45242
www.ch2m.com | LinkedIn | Twitter | Facebook

Upcoming PTO - October 2-9

-----Original Message-----
From: TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
Sent: Wednesday, September 09, 2015 10:41 AM
To: Aselage, Stephanie/CIN <Stephanie.Aselage@ch2m.com>
Cc: CHABOTTE, STEVEN L GS-11 USAF AFGSC 509 CES/CEIEC
Subject: Well data info

Stephanie

Here is the info on Whiteman's water wells

Well #1
Drilled to 1171'
Pump sits at 471'
280gpm

Well #2, no longer in service

Well #3
Drilled to 1046'
Pump sits at 471'
270gpm

Well #4
Drilled to 1080'
Pump sits at 471'
265gpm

Well #5
Drilled to 1175'
Pump sits at 408'
350gpm

Well #6
Drilled to 1052'
Pump sits at 450'
220gpm

Well#7, no longer in service

Well #8
Drilled to 1100'
Pump sits at 474'
300gpm

Well #9
Drilled to 1102'
Pump sits at 347'
530gpm

Well #10
Drilled to 1100'
Pump sits at 324'
550gpm

Please let me know if additional info is needed

Thanks

Paul Tracy
Foreman, Utility Plant Operations
509 CES/CEOIA

April 30, 2015

Glenn S. Golson, Environmental Element Chief
509 CES/CEIE
Whitman AFB, MO 65305

Dear Mr. Golson;

RE: Abandonment of a domestic water supply well located on property acquired by the air base. **The information used for the well referred to as the Vallencourt well is derived from the well Reference Number 101699 and a verbal description as provided by Mr. Golson.** A copy of the well record is attached. A copy of the well log is attached. The well locations are as provided on the well record and have not been confirmed by site inspection.

Vallencourt well, Reference Number 101699
Original Drill Date: 05/16/1994
Latitude: 38 degrees, 42 minutes, 27.2 seconds N
Longitude: -93 degrees, 33 minutes, 35.1 seconds W
Within Section 10, Township 45N, Range 24W, Johnson County Missouri
Total depth: 500.0 ft. Casing depth: 85 ft.
Casing: Recorded as 6 inch nominal
Static water level: 160 ft. Pump placed at 300 ft. below ground surface (bgs).

The well must be plugged by a contractor who holds a nonrestricted permit issued by the Missouri Department of Natural Resources.

PLEASE NOTE: ALL OF THE FOLLOWING ESTIMATED MATERIAL AMOUNTS ARE BASED ON THE CASING HAVING A NOMINAL INTERIOR DIAMETER OF 6.25 INCHES AND A BOREHOLE DIAMETER OF 6.0 INCHES AND DO NOT FACTOR IN THE PRESENCE OF THE PUMP AND DROP PIPE. IF THE CASING OR BOREHOLE DIAMETER DIFFERS FROM THE INFORMATION GIVEN ABOVE, THE FOLLOWING ESTIMATED MATERIAL AMOUNTS MAY NOT BE

(over please)

SUFFICIENT TO PROPERLY ABANDON THE WELL. IT IS RECOMMENDED THAT MEASUREMENTS BE TAKEN AT STAGES DURING THE PLUGGING TO INSURE THE DEPTHS THAT THE GROUT AND FILL ARE REQUIRED TO BE PLACED TO ARE ADHEARED TO.

1. Place the pump to the bottom of the well. It has been noted that a "crimp" is in the casing in this well and the well contractor who examined the well did not believe the pump could be removed. Because of this, a variance has been issued to allow the pump to be dropped to the bottom of the well and then encapsulated in neat cement. **If the pump cannot be placed at the bottom of the well, the following plugging specifications do not apply. Please refer to the attached variance (005852) for further details.**

2. Dig around the casing and remove the top three feet (3') of casing. The remaining hole must be at least two feet (2') in diameter larger than the casing. If the well is in a building where it is desirable not to destroy the floor, a variance may be gained to bypass this step.

Method 1:

3. **IF NO FILL MATERIAL IS USED IN THE WELL,** the well may be grouted full length with neat cement or a high solids sodium bentonite slurry placed by the tremie or reverse tremie method, or gravity fed non-slurry sodium bentonite above the neat cement required under Variance (005852) .

The well will require an estimated amount of the following: neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite in order to fill the well.

84 bags or 3.75 cubic yards of neat cement
30 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
142 bags of bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

Method 2:

4. **IF FILL MATERIAL IS USED IN THE WELL.** This involves using fill material from the total depth of the well to a point 50 feet below the base of the casing (135 ft.). Grout must then be emplaced from 135 feet below ground surface to a point 2 feet below ground surface. NOTE: The following process is to be done after the pump has been lowered to the bottom of the well and encapsulated in a minimum of 2 bags (0.075 cubic yards) of neat cement placed via a tremie.

(next page please)

4a. Disinfect fill material. Since there is water in the well, you must add chlorine bleach (5.25 to 6%) to the wells. As the fill material is poured into the well, it is disinfected as it comes in contact with the chlorinated water To bring the concentration to at least one hundred (100) PPM the following minimum amount of chlorine bleach is required:

1.0 gallons

4b. Place fill material from 490 feet below ground surface to 135 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 600 feet below ground surface to 135 feet below ground surface.

3.2 tons or 2.6 cubic yards of fill

4c. Place grout material from 135 feet below ground surface to 2 feet below ground surface.
An estimated amount of neat cement (Type I, 94 lb. bags), high solids bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

23 bags or 1.0 cubic yards of neat cement
08 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
37 bags of sodium bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

Either Method:

5. In agricultural or yard settings, the plug must terminate at least two feet (2') below the finished surface grade and the remaining hole filled with soil. In other settings, the remaining hole may be filled with clean fill if the well site is to be paved.

6. Submit registration report form to the division.

The quantities I have stated in this memorandum are estimates. They were estimated for a smooth bore hole and do not account for the possibility of the riser pipe being in the well. Since most wells do not have a smooth bore hole, it is suggested to plan for the possibility that you

(over please)

may need to add approximately 10 +/- percent to the totals I have given you. The amount required will depend on the amount of fractures/voids contained in the well.

As you add the fill material keep a good measurement. You do not want to go above the stated depths for this well with the fill material. If fill is allowed to go above this, contact the Survey for directions on how to proceed. If I can be of any more assistance, please feel free to contact me using any of the methods listed below.

Sincerely,
MISSOURI DEPARTMENT OF NATURAL RESOURCES

Matthew Parker, RG
MISSOURI GEOLOGICAL SURVEY
Wellhead Protection Section
P.O. Box 250 Rolla, MO 65402
573/368-2170
573/368-2317(fax)
email: matt.parker@dnr.mo.gov

cc: file

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI GEOLOGICAL SURVEY
DOMESTIC/MULTIFAMILY WELL RECORD AND PUMP INFORMATION DATA

OFFICE USE ONLY

REF NO 00101599 | DATE RECEIVED 11/02/1994

ROUTE PCD / PLT | APPROVED IMPORT | DATE 01/30/1995 | ENTERED CONVERT | STATE CERT NO A038327 | REVENUE NO 776954

OWNER NAME: CONNIE VALLENCOURT | TELEPHONE WITH AREA CODE 816 563 2549

OWNER ADDRESS: 315 SE AB HWY | CITY KNOB NOSTER | STATE MO | ZIP 65336

ADDRESS OF WELL (IF DIFFERENT THAN ABOVE) | CITY | ZIP

USE OF WELL: [X] DOMESTIC [ ] MULTI-FAMILY | VARIANCE NUMBER (IF ISSUED) | CASING DEPTH LETTER [ ] YES [ ] NO | OWNERS SIGNATURE (Water Use Information Verified by Owner Signature) | DAT

CASING AND SCREEN INFORMATION

CASING LENGTH 85 FT | O.D. OF CASING 6.0 IN | WEIGHT (LB) SDR#, SCH# | DIAMETER OF DRILL HOLE 9.0 IN | CASING MATERIAL [X] STEEL [ ] PLASTIC [ ] CONCRETE | DRIVE SHOE USED? [ ] YES [ ] NO | PACKER USED ON PVC CASING [ ] NONE [ ] RUBBER BOOT [ ] COUPLING [ ] INVERTED BELL

SURFACE CASING(IF USED) LENGTH FT OUTSIDE DIAMETER IN | SCREEN LENGTH (UNCONSOLIDATED MATERIAL WELLS) FT | SCREEN TYPE/SLOT SIZE

CASING GROUT INFORMATION

GROUT TYPE (CHOOSE ONE): CEMENT [ ] TYPE 1 [ ] HI EARLY; BENTONITE [X] CHIPS [ ] GRANULAR [ ] PELLETS [ ] SLURRY | NO. OF BAGS OR CUBIC YARDS 0.0 LBS PER BAG | METHOD OF GROUT INST... [ ] GRAVITY [ ] TREMIE AS DRIVEN [ ] PRESSURE THROUGH CASING [ ] PRESSURE THROUGH TREMIE | ... OP N H L PO DI LAC MENT | POSITION OF SEAL [X] BOTTOM [ ] TOP [ ] FULL LENGTH | DRILLING SUSPENDED? [ ] YES [X] NO ___ HRS

LINER INFORMATION

LENGTH ___ FT | O.D. OF LINER ___ IN | MATERIAL [ ] STEEL [ ] PLASTIC | WEIGHT (LB)SDR# SCH# | USE (CHOOSE ONLY ONE) [ ] HOLD BACK FORMATION [ ] PREVENT RUST [ ] SEAL OUT UNDESIRABLE | DEPTH TO TOP OF LINER 0.0 FT | PERFORATED INTERVAL FROM TO

LINER GROUT INFORMATION

GROUT TYPE: CEMENT [ ] TYPE I [ ] HI EARLY; BENTONITE [ ] SLURRY [ ] GRANULAR [ ] CHIPS [ ] PELLETS | NO. OF SACKS USED ___ LBS PER BAG ___ | METHOD OF INSTALLATION [ ] GRAVITY [ ] TREMIE [ ] AS LINER | POSITION OF SEAL [ ] FULL LENGTH [ ] BOTTOM | DEPTH PACKERS SET FT

DEPTH FROM	DEPTH TO	FORMATION DESCRIPTION
0.0	30.0	DIRT + HARD PAN
30.0	130.0	20'GR SHALE GR LIME
130.0	210.0	GR/BLK SHALE
210.0	430.0	GR LIME +SHALE SEAMS SHA
430.0	500.0	GR LIME/FLINT/SOME SAND

DEPTH TO BEDROCK ___ FT

TOTAL DEPTH 500.0 FT

LOCATION OF WELL OR PUMP

LAT. 38° 47' 37.2" | DRILL AREA A1

LONG. 93° 37' 38.1" | ELEVATION ___

LEGAL LOCATION: SW 1/4 NW 1/4 NW 1/4 SECTION 10 TOWNSHIP 45N RANGE 24 W COUNTY JOHNSON

ABANDONED WELL ON SITE? [ ] YES [ ] NO
WAS THE WELL PLUGGED? [ ] YES [ ] NO

WELL COMPLETION DATE D 16/1 | PUM IN

WELL Y 1 0 M | PUMP INSTALLATION DATE

STATIC WATER LEVEL 1 0F | DEPTH PUMP SET 300.0 FT

DEPTH FIRST GROUND WAT FT | PUMP RATE 10.0 GPM

I HEREBY CERTIFY THE WELL/PUMP INFORMATION D SCRIBED HEREIN I D A

	PERMIT#	DATE
PRIMARY CONTRACTOR SIGNATURE WALTER HEISTERBERG	001598	
WELL DRILLER SIGNATURE WALTER HEISTERBERG	001598	
PUMP INSTALLER SIGNATURE HOWARD HOUT	002580	
WELL DRILLER APPRENTICE SIGNATURE		
PUMP INSTALLER APPRENTICE SIGNATURE		

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

P.O. Box 250 111 Fairgrounds Rd. Rolla, MO 65402-0250
(573) 368-2165
FAX(573) 368-2317

VARIANCE: Approved **VARIANCE NUMBER:** 5652

WELL OWNER INFORMATION								
NAME:	WHITMAN AFB, GLEN GOLSON, ENVIR ELEM CHIEF							
ADDRESS 1:	509 CES/CEIE						FAX:	
ADDRESS 2:								
CITY:	WHITMAN AFB		STATE: MO	ZIP: 65305			TELEPHONE:	
WELL LOCATION								
COUNTY:	JOHNSON		LAT.	38	42	27.2	LONG. 93	33 35.1
1/4	1/4	1/4		SEC. 10		TWN. 45	N	RNG. 24W
CONTRACTOR INFORMATION								
COMPANY NAME:					PERMIT NUMBER:			
CONTRACTOR NAME:								
ADDRESS:							FAX:	
CITY:			STATE:	ZIP:			TELEPHONE:	
VARIANCE INFORMATION								

VARIANCE EXPLANATION

APPROVAL GRANTED TO PLUG THE WELL AT THE ABOVE REFERENCED SITE WITH THE PUMP IN THE WELL. REQUIRED: ATTEMPT MUST BE MADE TO PUSH PUMP TO THE BOTTOM OF THE WELL. PUMP TO BE SURROUNDED WITH A MINIMUM 10 FOOT PLUG OF NEAT CEMENT SLURRY. IF THE PUMP CANNOT BE PUSHED TO THE BOTTOM OF THE WELL, THE BOREHOLE BELOW THE PUMP MUST BE PLUGGED USING A NEAT CEMENT SLURRY. ALL OTHER APPLICABLE PLUGGING STANDARDS UNDER THE MISSOURI WELL CONSTRUCTION RULES (MWCR) TO BE ADHERED TO.

RULE NUMBER MODIFIED: 10 CSR 23-3.110

REASON FOR VARIANCE

WHITMAN AFB ENVIRNONMENTAL STAFF HAD A VIDEO EXAMINATION OF THE WELL DONE. EXAMINATION NOTES A PROBLEM IN THE CASING THAT PREVENTS THE PUMP FROM BEING REMOVED FROM THE WELL.

DATE:	05/01/2015	BY:	MATTHEW PARKER, R.G.
Cc:		Cc:	

Recycled Paper

STATE OF MISSOURI Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director
DEPARTMENT OF NATURAL RESOURCES
www.dnr.mo.gov

April 30, 2015

Glenn S. Golson, Environmental Element Chief
509 CES/CEIE
Whitman AFB, MO 65305

Dear Mr. Golson;

RE: Abandonment of a domestic water supply wells located on property acquired by the air base. **The Information used for the well referred to as the Sibert well is derived from the well log number 0022363**. A copy of the well log is attached. The well locations are as provided on the well record and well log and have not been confirmed by site inspection.

Sibert Well, Water Resource Center Log Number 0022363
Original Drill Date: 04/13/1963
Latitude: 38 degrees, 42 minutes, 11.8 seconds N
Longitude: -93 degrees, 32 minutes, 27.9 seconds W
Within Section 11, Township 45N, Range 24W, Johnson County Missouri
Total depth: 765.0 ft. Casing depth: 280 ft. of 6.25inch nominal diameter casing, 68 ft. of 5.1 inch nominal diameter casing.
Static water level: 200 ft. Pump: no information available.

The well must be plugged by a contractor who holds a nonrestricted permit issued by the Missouri Department of Natural Resources.

PLEASE NOTE: ALL OF THE FOLLOWING ESTIMATED MATERIAL AMOUNTS ARE BASED ON THE CASING HAVING A NOMINAL INTERIOR DIAMETER OF 6.25 INCHES AND A BOREHOLE DIAMETER OF 6.0 INCHES. IF THE CASING OR BOREHOLE DIAMETER DIFFERS FROM THE INFORMATION GIVEN ABOVE, THE FOLLOWING ESTIMATED MATERIAL AMOUNTS MAY NOT BE

(over please)

SUFFICIENT TO PROPERLY ABANDON THE WELL. IT IS RECOMMENDED THAT MEASUREMENTS BE TAKEN AT STAGES DURING THE PLUGGING TO INSURE THE DEPTHS THAT THE GROUT AND FILL ARE REQUIRED TO BE PLACED TO ARE ADHEARED TO.

1. Remove all pumps, pipe, and debris from all well.

2. Dig around the casing and remove the top three feet (3') of casing. The remaining hole must be at least two feet (2') in diameter larger than the casing. If the well is in a building where it is desirable not to destroy the floor, a variance may be gained to bypass this step.

Method I:

3. **IF NO FILL MATERIAL IS USED IN THE WELL**, the well may be grouted full length with neat cement or a high solids sodium bentonite slurry placed by the tremie or reverse tremie method, or gravity fed non-slurry sodium bentonite.
The well will require an estimated amount of the following: neat cement (Type 1, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite in order to fill the well.

128 bags or 5.6 cubic yards of neat cement

47 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)

218 bags of bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

(next page please)

Method 2:

4. **IF FILL MATERIAL IS USED IN THE WELL.** This involves using fill material from the total depth of the well to a point 50 feet below the base of the casing (400 ft.). There was no information available as to where the additional 68 feet of liner was installed. Therefore it is assumed it was placed at the end of the casing string, leaving a total cased depth of 348 ft. If the well has had a video examination and this is not correct, please contact this office for revised plugging standards. Grout must then be emplaced from 400 feet below ground surface to a point 30 feet inside the upper casing (250 ft.). Fill material can then be placed from 250 feet to 50 feet below ground surface.

4a. Disinfect fill material. Since there is water in the well, you must add chlorine bleach (5.25 to 6%) to the wells. As the fill material is poured into the well, it is disinfected as it comes in contact with the chlorinated water To bring the concentration to at least one hundred (100) PPM the following minimum amount of chlorine bleach is required:

1.6 gallons

4b. Place fill material from 765 feet below ground surface to 400 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 765 feet below ground surface to 400 feet below ground surface.

3.25 tons or 2.68 cubic yards of fill

4c. Place grout material from 400 feet below ground surface to 250 feet below ground surface.
An estimated amount of neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

25 bags or 1.1 cubic yards of neat cement
9 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
43 bags of sodium bentonite chips (50 lb. bags)

4d. Place fill material from 250 feet below ground surface to 50 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 250 feet below ground surface to 50 feet below ground surface.

1.8 tons or 1.6 cubic yards of fill

(over please)

4e. Place grout material from 50 feet below ground surface to 2 feet below ground surface.

An estimated amount of neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

8 bags or 1.1 cubic yards of neat cement
3 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
14 bags of sodium bentonite chips (50 lb. bags)

Either Method

5. In agricultural or yard settings, the plug must terminate at least two feet (2') below the finished surface grade and the remaining hole filled with soil. In other settings, the remaining hole may be filled with clean fill if the well site is to be paved.

6. Submit registration report form to the division.

The quantities I have stated in this memorandum are estimates. They were estimated for a smooth bore hole and do not account for the possibility of the riser pipe being in the well. Since most wells do not have a smooth bore hole, it is suggested to plan for the possibility that you may need to add approximately 10 +/- percent to the totals I have given you. The amount required will depend on the amount of fractures/voids contained in the well.

As you add the fill material keep a good measurement. You do not want to go above the stated depths for this well with the fill material. If fill is allowed to go above this, contact the Survey for directions on how to proceed. If I can be of any more assistance, please feel free to contact me using any of the methods listed below.

Sincerely,
MISSOURI DEPARTMENT OF NATURAL RESOURCES

Matthew Parker, RG
Missouri Geological Survey
Wellhead Protection Section
P.O. Box 250 Rolla, MO 65402
573/368-2170
573/368-2317(fax)
email: matt.parker@dnr.mo.gov

STATE OF MISSOURI
MATTHEW PARKER
RG
2005015925
REGISTERED GEOLOGIST

cc: file

DNR MISSOURI SAMPLE WELL-LOG LIBRARY DGLS

LOG NUMBER
0022363

OWNER: Sibert
PLUGGED N CONFIDENTIAL? 0 RELEASE DATE:
WELL TYPE: Private Well
DRILLER: Schnell, W.C.
LEASENAME:
DRILL DATE: 1963/04/13 PERMIT #:
LOGGER: Wells, J. LOGDATE: 1964/03/31
TYPE OF LOG: S SAMPLE SAVED? 0

MISSOURI , COUNTY: Johnson
SECTION: 11 TOWNSHIP: 45 N RANGE 24 W
SW of SW of NW
LATITUDE: 38.70328
LONGITUDE: -93.54111
QUAD NAME: BURTVILLE

ELEVATION: 879 BASE: S BEDROCK @ 250 FEET
TOTAL DEPTH: 765 INTERVAL CORED: 0 TO 0
YIELD: * DRAWDOWN:
STATIC WATER LEVEL BEFORE: AFTER: 200

OTHER DATABASES:
ID NUMBER:
DATABASE 2:
ID NUMBER:
DATABASE 3
ID NUMBER

WATER AT: "NO LIMIT"

TOP FORMATION: BURLINGTON LIMESTONE
BOTTOM FORMATION: ROUBIDOUX FORMATION

REMARKS: 2 MI S OF AIR BASE

CONSTRUCTION DATA

CASING:	DEPTH:	DIAMETER	CASING MATERIAL
	280	6.25	S
	58	5.1	
	0	0	I/O: O
	0	0	SIZE HOLE: 0

DATE PLUGGED: DATE ABANDONED:
Plug Depth TOP: 0 Plug Depth Bottom: 0
GROUTING:

PUMP:	Capacity	Pump Type	Set at	Total Depth	Screen Type	Size	Length	Slot
	0		0	0		0	0	0

Well Treatment: Type Devised Type of Completion
Perforation Interval Top 0 Bottom 0 Tube Pressure
Oil Production Gas Production

Water Analysis: MGS WATER ANALYSIS #7376 - 8 1973

OPEN FORMATIONS
Top Formation CHOUTEAU GROUP
Bottom Formation ROUBIDOUX FORMATION

LOG NUMBER
0022363

STRATIGRAPHY

TOP	BOT	FORMATION NAME	LITHOLOGY PRIMARY	LITHOLOGY SECONDARY	LITHOLOGY MINOR	MINERALS PRIMARY	OCC.	SECONDAR	OCC	MINOR
0	250	NO SAMPLES					0		0	
250	395	MISSISSIPPIAN SYSTEM					0		0	
250	315	OSAGEAN SERIES					0		0	
250	315	BURLINGTON LIMESTONE	LIMESTONE		CHERT		0		0	
250	315	BURLINGTON LIMESTONE	LIMESTONE		CHERT		0		0	
315	395	KINDERHOOKIAN SERIES					0		0	
315	395	CHOUTEAU GROUP	LIMESTONE	DOLOMITE	CHERT		0		0	
315	330	SEDALIA FORMATION	DOLOMITE	LIMESTONE	SILT		0		0	
395	435	DEVONIAN SYSTEM					0		0	
395	435	MIDDLE DEVONIAN SERIES					0		0	
395	435	CEDAR VALLEY LIMESTONE	LIMESTONE		CHERT		0		0	
435	765	ORDOVICIAN SYSTEM					0		0	
435	765	CANADIAN (IBEXIAN) SERIES					0		0	
435	545	COTTER DOLOMITE	DOLOMITE	CHERT	SHALE		0		0	

545	690	JEFFERSON CITY DOLOMITE	DOLOMITE	CHERT	SHALE	0	0
655	670	NO SAMPLES				0	0
690	765	ROUBIDOUX FORMATION	DOLOMITE	CHERT	SAND	0	0
765	765	TOTAL DEPTH				0	0

Please send completed spreadsheet to
[illegible] Fire Protection Engineer, AFCEC/CZOM
[illegible] DSN 523-6317 or (850) 283-6317

54

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1									Select Types of Fire Suppression Systems that are Installed												
2			Foam Data			Underwing System			Overhead System												
3	Base/Site	Hangar Bldg #	Foam Tank Size (Gal)	Foam %	Foam Brand Name/MSDS/Mil Spec#	High Expansion Foam	AFFF	None	High Expansion Foam	Conventional Wet-pipe Sprinklers	Conventional Pre-action Sprinklers	Conventional Water Deluge (open) Sprinklers	Foam-Water Closed-head Sprinklers	Foam-Water Deluge (open head) Sprinklers	Overhead Foam Generators	None	Are Any Other Fire Protection Systems Provided? (please list)	Are Foam System Abort Switches Provided? (Y or N)	Have there been any recent inadvertent foam discharges in the hangar? (Y or N)	POC Name	Phone/DSN
4	Whiteman AFB	1	600	3	MIL-F-24385	1991	4 Monitors/4 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
5	Whiteman AFB	7-8	1200	3	MIL-F-24385	1991	4 Monitors/4 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
6	Whiteman AFB	27	600	3	MIL-F-24385	'91	4 Monitors				X						Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
7	Whiteman AFB	52 Dough Ctr	220	2	Chemguard C3			X	X	X					X		Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
8	Whiteman AFB	91	400	3	MIL-F-24385F	91	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606872057/9751057
9	Whiteman AFB	1117	1000	3	MIL-F-24385F	95	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606872057/9751057
10	Whiteman AFB	1158	600	3	MIL-F-24385F	95	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606872057/9751057
11	Whiteman AFB	1125	400	3	MIL-F-24385F	96		X						X			Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
12	Whiteman AFB	5050	3000	3	MIL-F-24385F	1991	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
13	Whiteman AFB	5051	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
14	Whiteman AFB	5052	3000	3	MIL-F-24385F	1993	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
15	Whiteman AFB	5053	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
16	Whiteman AFB	5054	3000	3	MIL-F-24385F	1992	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
17	Whiteman AFB	5055	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
18	Whiteman AFB	5058	3000	3	MIL-F-24385F	1996	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
19	Whiteman AFB	5059	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
20	Whiteman AFB	5060	3000	3	MIL-F-24385F	1996	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
21	Whiteman AFB	5061	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
22	Whiteman AFB	5062	3000	3	MIL-F-24385F	1997	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
23	Whiteman AFB	5063	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
24	Whiteman AFB	5064	3000	3	MIL-F-24385F	1999	X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
25	Whiteman AFB	5065	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606872057/9751057
26	Whiteman AFB	5205	1000	3	MIL-F-24385F	2002	X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
27	Whiteman AFB	5206	0				X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606872057/9751057
28	Whiteman AFB Army Guard Hangar	8730		1					X	X					X		Wet Pipe - Admin Areas				
29	Whiteman AFB Army Guard Hangar								X						X						
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39			33400																		

tested every 2 years ~ 300 gallon / facility for dumps/tests

Dock 7 & 8 Jan 2015
3,000 gallons

1117
1158
1125
91
1
9 27
} never been tested
however, goes to sanitary drains to WWTP

1, 9, 27 ~~Nosedocks~~ go to UST (250,000)

1125 goes to own tank Feb 2015 UST

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APPENDIX C

RECORDS OF COMMUNICATION

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HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: Thomas See	
Organization: 509 CES/CEOFeA	Phone:
Position/Job Title: FAST Shop	Email:
How Long in this Position? 2004	
How long at this Base in current and previous positions? 25 yrs	
Have you held similar positions at other bases? No	
Which bases?	
How long?	

Discussion:

- 52 only has HEF
- ~300 gallons of AFFF are released during each test

- ~~Alcedo~~ Docks dumps all on occidentials (1-14)(1,9,22) but other buildings do not.

5205/5206 Lo facility

30,000 gallon UST @ 1125
~~30,000~~ gal UST 1118, 91, 1117 → Share 30,000-gal UST

30,000 UST own

- See handout w/additional notes

HGL	Date: 8 Sep 15 Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO
Interviewer: Stephanie Aselage

Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: Steve Chabotte

Organization: 509 CES/CEIEC	Phone:
Position/Job Title: Physical Scientist	Email:

How Long in this Position? 4 yrs
How long at this Base in current and previous positions? almost 14 yrs
Have you held similar positions at other bases?
when I was active duty (military)
Which bases?
Edwards AFB CA, Seymour Johnson AFB, NC Whiteman AFB, MO
How long?
9 yrs 3 ½ yrs 14 yrs

Discussion:

provided information on daycare + elementary school on base

Whiteman Elementary School (Bldg 3015), Houx Dr.

Current PTA liner
- 80 mL HDPE, then sand on top, then 60 mL HDPE
- HDPE drainage net, + retention pond is 96' square w/ 40' square base.

- GW Flow to the west

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: JED HARGETT	
Organization: 509 CES GeoBase	Phone:
Position/Job Title: GeoBase Administrator	Email:
How Long in this Position? 10 MOS.	
How long at this Base in current and previous positions? 10 MOS	
Have you held similar positions at other bases? Yes	
Which bases? Barksdale, Kadena	
How long? 10 yrs.	

Discussion:

Mr. Terry Clemons is the GeoBase Vault Manager. He is custodian of AS-built drawings for the base. He has been here for 40 yrs. He may be able to answer questions regarding identifying buildings that previously had AFFF systems based on as-built drawings from the period.

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: Andrea Goodson	
Organization: 509CES/CENP	Phone:
Position/Job Title: Community Planner	Email:
How Long in this Position? 5 years	
How long at this Base in current and previous positions? 20 years	
Have you held similar positions at other bases? N/A	
Which bases? N/A	
How long? N/A	

Discussion:

has map + info of residential wells to the south

HGL

Date: 9/8/2015
Time: 0900

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: Robert Bryant	
Organization: 509 CES/CEIE	Phone:
Position/Job Title: WATER / AFC / HAZ waste Mgr	Email:
How Long in this Position? 6 months	

How long at this Base in current and previous positions? 6 months

Have you held similar positions at other bases?
No

Which bases?

How long?

Discussion:

Bldg 139 - Supply Warehouse } they have 75
Bldg 26 - Aircraft Parts Store } 55-gallon drums of back-up AFFF.

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Paul Tracy	
Organization: 509 CES	Phone:
Position/Job Title: Foreman, Utility Plant Ops	Email:
How Long in this Position? 3 YR	
How long at this Base in current and previous positions? 85-89 1995-Present	

Have you held similar positions at other bases?
Treatment Plant Operator

Which bases?
OSAN AB Korea, KI Sawyer AFB MI

How long?
1 yr Osan 5 yr KISawyer

Discussion:

* Outfall 001 goes to unnamed tributary (W) to Brewers Branch (W) to Clearfork (N).
* AFFF holding ponds/cells lined w/clay. installed in 1997
* Docks 1-14 go to 250,000 gallon UST that then goes to AFFF holding cells through sanitary sewer lines. Then ~~goest~~ goes back to WWTP where its treated & sent to outfall. ~200,000 gallons goes to WWTP
* Docks are tested 4 months out of the year
* Each ~~Dock~~ FSS is tested every 2 years.
* Production wells are all rotated (8 wells total) No specific wells used all the time w/contigent wells (~~see Rand~~ see email)
* GW flow to the west
* AFFF holding ponds installed in 1997.
* 2000 - outfall path changed from surface to underground pipe.
* 5 production wells in use, no favor, rotate wells

HGL | Date: 9/8/15 Time:

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Jerry Whitford	
Organization:	Phone:
Position/Job Title: Cheif of Project Management	Email:
How Long in this Position? 18 yrs	
How long at this Base in current and previous positions? 31 yrs.	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

* no previous hangars had AFFF until B-2
* remembers crash in 92 or 94 but it was some type of fighter plane. Not sure which type.

COMMUNICATION RECORD

HGL

Date: 9/9/15
Time:

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Jerry Blaisdell 509CES/CEF	
Organization: AF Global Strike Command	Phone:
Position/Job Title: Fire Chief	Email:
How Long in this Position? 11 years	
How long at this Base in current and previous positions?	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

* has never responded to a fire & used AFFF @ this base in past 11 years
* most information documented in interview questionnaire & additional handouts
* annual tests for fire engines are into fire training pit. ~5 gallons discharged total for test.

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Dave ~~Easky~~ Easley	
Organization: 509 CES	Phone:
Position/Job Title: Base Historian	Email:
How Long in this Position?	
How long at this Base in current and previous positions?	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

* 1979 Visiting Plane Crash Outside Base Operations
~~additional~~ additional information belongs to the 351st Missile wing which no longer exists @ Whiteman.

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Paul Takacs	
Organization: Environmental Restoration Program	Phone:
Position/Job Title: Environmental Engineer	Email:
How Long in this Position?	
How long at this Base in current and previous positions?	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

FT02 – currently a helipad, no remedy in place, ROD signed w/monitoring required.

FT16 – currently Army parking area/grassy area closed status

Environmental Restoration Program
Whiteman Air Force Base

Final Record of Decision Amendment Sites FT-02, LF-12, and SS-44

USAF Contract No. FA8903-08-D-8769
Project No. YWHG20107601
Task Order 0231

Prepared for

509 CES/CEAN,
Whiteman Air Force Base
Missouri

Prepared by

CH2MHILL

September 2011

Environmental Restoration Program
Whiteman Air Force Base

Final Record of Decision Amendment
Sites FT-02, LF-12, and SS-44

September 2011

Prepared for

509 CES/CEAN, Whiteman Air Force Base, Missouri

Prepared by

CH2MHILL

1034 S. Brentwood Boulevard, Suite 2300
St. Louis, Missouri 63117

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Task Order 0231

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Acronyms and Abbreviations

AFB	Air Force Base
cDCE	cis-1,2-dichloroethene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPC	chemical of potential concern
ERP	Environmental Restoration Program
HHRA	human health risk assessment
IC	institutional control
LTM	long-term management
MDNR	Missouri Department of Natural Resources
NCP	National Contingency Plan
RI	remedial investigation
ROD	Record of Decision
SREA	Southwest Ramp Expansion Area
TCE	trichloroethene
µg/L	microgram per liter
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

1. Declaration Summary

1.1 Site Name and Location

Whiteman Air Force Base (AFB) is located in Knob Noster, Johnson County, Missouri. The Environmental Restoration Program (ERP) sites included in this Record of Decision (ROD) amendment overlap an area referred to as the Southwest Ramp Expansion Area (SREA) and include the following:

- Site FT-02 (Fire Protection Training Area)
- Site LF-12 (Landfill No. 3)
- Site SS-44 (Trichloroethene [TCE] Spill Site)

1.2 Statement of Basis and Purpose

This amendment to the ROD (signed July 25, 2005) presents the revised remedy for Sites FT-02, LF-12, and SS-44 at Whiteman AFB. This ROD amendment has been prepared based on recommendations in the 5-year review completed at Sites FT-02, LF-12, and SS-44 in 2009 and revision to previous human health risk assessment (HHRA) evaluations, specifically the exposure pathways (CH2M HILL 2011a). The exposure pathways have not changed since 2005. However, the United States Air Force (USAF) evaluated the exposure pathways further by collecting additional data regarding the Base hydrogeology and groundwater use. Since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44, the USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the following summary of current and anticipated future groundwater use:

- Shallow groundwater at Whiteman AFB does not have sufficient yield to serve as a potable aquifer (Appendix A).
- Available information indicates that only groundwater at depths of 1,000 feet or greater is used as a water supply for the Base and for irrigation of the Base golf course.
- Missouri drinking water well regulations (Title 10, Division 23, Chapter 3, of the Missouri Code of State Regulations) prevent installation of shallow (less than 80 feet) potable use wells on- and off-Base.
- An existing Basewide institutional control (IC) prevents the installation of shallow drinking water wells (less than 35 feet below ground) at the Base.

Revision to the HHRA based on the updated current and future groundwater use concluded that the risk estimates are within acceptable levels.

The amended remedy presented in this ROD amendment was chosen in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986, and, to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency

Plan (NCP; 40 *Code of Federal Regulations*, Part 300). The decision is based on the Administrative Record file for the sites. The ROD amendment will become a part of the Administrative Record file per NCP 300.825(a)(2)).

The lead agency—USAF—and Missouri Department of Natural Resources (MDNR) agree that no further response action is necessary for Sites FT-02, LF-12, and SS-44. MDNR serves as the support agency for Whiteman AFB ERP sites.

1.3 Description of Amended Remedy

Evaluation of Sites FT-02, LF-12, and SS-44 concluded that the residual contamination does not present a risk under the current and anticipated future industrial and construction worker scenarios (CH2M HILL 2011b). The lead agency has determined that no further remedial action is necessary to protect public health or welfare or the environment from exposure to groundwater at Sites FT-02, LF-12, and SS-44. However, to protect against potential groundwater use as a drinking water source, the USAF has a Basewide drinking water well restriction in place. MDNR may review the Basewide drinking water well restriction in the Base General Plan annually by scheduling an appointment with the Base Environmental Element Chief (or equivalent) or the Asset Optimization Element Chief (or equivalent).

A data certification checklist is not applicable to this ROD amendment, since no chemicals of concern are present at the subject sites, and the residual contamination does not present a risk. Therefore, no further remedial action is the amended remedy selected for Sites FT-02, LF-12, and SS-44.Institutional controls are no longer required; however, the Basewide drinking water well restriction will remain.

The no further remedial action amended remedy was presented in the *Proposed Plan for Sites FT-02, LF-12, and SS-44 Environmental Restoration Program Sites* (CH2M HILL 2011b). The Proposed Plan was distributed to the community with the opportunity to comment on the plan and request a public availability session. No comments were received from the community regarding the Proposed Plan, and a public availability session was not requested.

1.4 Statutory Determinations

The remedial investigation (RI) and revised HHRA for Sites FT-02, LF-12, and SS-44 concluded that the residual contamination at the sites does not pose risk to potential future construction workers through dermal contact and inhalation exposure to groundwater or the potential current and future industrial worker through inhalation of indoor air. Therefore, the no further remedial action response meets the statutory requirements of CERCLA and because no hazardous substances, pollutants, or contaminants remain onsite above levels that would limit use, a 5-year review will not be required for this amended remedial action.

1.5 Authorizing Signatures

SCOTT A. VANDER HAMM
Brigadier General, USAF
Commander, 509th Bomb Wing

Date

DAVID J. LAMB
Director, Missouri Department of Natural Resources
Hazardous Waste Program

Date

2. Decision Summary

This decision summary describes Sites FT-02, LF-12, and SS-44 at Whiteman AFB. It also summarizes legal and public involvements issues, estimated site risks, and the rationale for the amended remedy selection.

2.1 Site Name, Location, and Description

Whiteman AFB is located in west central Missouri, in Johnson County, approximately 2 miles south of Knob Noster (Figure 2-1). The Base is approximately 9 miles east of Warrensburg, 22 miles west of Sedalia, and 70 miles southeast of Kansas City. In September 2008, construction of a Missouri Army National Guard facility began within an area known as the SREA (Figure 2-2), which is relatively flat and located in an industrial area. The current and expected future land use of the SREA is industrial.

The following three existing ERP sites included in this ROD amendment are described below and depicted in Figure 2-3:

- *Site FT-02, Fire Protection Training Area*—Site FT-02 is located within the Missouri Army National Guard facility north of Perimeter Road and south of the operations end of the flight line. The Missouri Army National Guard facility encompasses Site FT-02. The site is flat and portions are covered by grassy vegetation.
- *Site LF-12, Landfill No. 3*—Site LF-12 is located approximately 500 feet east of the intersection of Arnold Avenue and Perimeter Road, north of Perimeter Road, and south of Site FT-02. The site is relatively flat and covered by grassy vegetation. A small drainage ditch runs along the eastern and southern boundaries of the site.
- *Site SS-44, TCE Spill Site*—Site SS-44 is located within the Missouri Army National Guard facility, north of Perimeter Road, and south of the operations end of the flight line near Site FT-02. Site SS-44 formerly was part of Site FT-02. It officially became an ERP site in June 2001 when TCE was detected in samples collected from accumulated groundwater in a burn pit excavation near the old runway/taxiway northeast of Site FT-02. Site SS-44 is flat lying and parts are covered by dilapidated airfield pavement and grassy vegetation.

2.2 Site History

Summaries of site histories at Sites FT-02, LF-12, and SS-44 are presented in the following subsections.

2.2.1 Site FT-02

Site FT-02 is a former fire protection training area that consisted of two former burn pits, two aboveground storage tanks for fuel, a waste oil underground storage tank, two small unlined ponds, and an unlined pond with an oil/water separator used for fire training activities (Montgomery Watson 2001). Site FT-02 originally was identified in 1984. From 1985 through 1995, investigations were performed to characterize the site. From 1996 through 1997, Burn Pit 1 was excavated in stages and confirmation sampling was conducted. An estimated 6,000 cubic yards of soil were excavated, and the pit was filled with clean backfill. In 1997, another investigation was conducted to investigate the nature and extent of groundwater contamination. Concentrations of benzene, ethylbenzene, and naphthalene above screening levels have been observed only in groundwater collected from monitoring well FT02-MW-05. The extent of benzene in groundwater is limited to an area of about 0.002 acre within the shallow (less than 30 to 40 feet below ground) subsurface due to the site geology and hydrogeology described below. The site was part of the long-term groundwater monitoring program at Whiteman AFB from 1996 until the present. Fourteen years of long-term monitoring data have demonstrated that the groundwater contamination is not migrating offsite or off-Base. Groundwater modeling on benzene migration is provided in Appendix B. The modeling concluded that benzene would not migrate off-Base.

Section 2.4.4 summarizes the site contamination at Site FT-02. The results of the revised HHRA are provided in Section 2.6.

2.2.2 Site LF-12

USAF records indicated that Site LF-12 was operated as a landfill (identified as Landfill 3) for disposal of routine Base refuse for less than 1 year. Its period of use is known only to be between the late 1940s and mid-1950s. Site LF-12 was originally identified in a Phase I Records Search (Engineering-Science 1984).

No evidence of landfill activities was documented in aerial photographs (Ecology and Environment 1988). In addition, preliminary and detailed geophysical surveys did not identify evidence of landfill activities (that is, waste trenches or waste material). Oil, grease, and lead were detected in a surface soil sample, but the occurrence of these constituents was attributed to runoff from the Fire Protection Training Area (Site FT-02) north of the site (Black & Veatch 1991). A small area of soil contaminated with lead in the southeastern corner of the site was excavated to a depth of 3 feet below ground (160 tons) in 2003 (CH2M HILL 2004a). Confirmation samples collected from the excavation confines demonstrated that lead levels were below 260 mg/kg residential soil screening level set forth in *Cleanup Levels for Missouri*. Investigations in the 1990s indicated that volatile organic compounds (VOCs) and semivolatile organic compound were present in the onsite analysis of soil and groundwater samples and the offsite analysis of groundwater samples (Jacobs Engineering 1999). However, analytical results of soil samples from recent investigations identified only m,p-xylene, o-xylene, and arsenic in soil, and benzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylene, o-xylene, and lead in groundwater (CH2M HILL 2004a) at concentrations in excess of the residential screening levels. The VOCs were observed in an area east of the historic limits of Site LF-12 and were attributed to a surface spill along an access road.

Site LF-12 has been included in the long-term management (LTM) program at Whiteman AFB since 2005. Section 2.4.4 summarizes the site contaminants at Site LF-12. The result of the revised HHRA is provided in Section 2.6.

2.2.3 Site SS-44

Site SS-44 was identified during the excavation of Burn Pit 1 at Site FT-02. TCE was detected in soil and groundwater samples collected near the old runway/taxiway at the northeast corner of the excavation. TCE was found to be unrelated to Site FT-02.

Investigations at Site SS-44 identified 1,1-dichloroethene, 1,2-dichloroethene, cis-1,2-dichloroethene (cDCE), TCE, and vinyl chloride in groundwater (CH2M HILL 2003). Site SS-44 has been included in the LTM program at Whiteman AFB since 2005. Section 2.4.4 summarizes the site contaminants at Site SS-44. The results of the revised HHRA are provided in Section 2.6.

2.3 Basis for Document

The 5-year review completed in 2009 (CH2M HILL 2010) for Sites FT-02, LF-12, and SS-44 concluded that the exposure pathways have changed since preparation of previous HHRA evaluations (CH2M HILL 2011a). Since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44, the USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the current and anticipated future groundwater use presented in Section 2.5. The exposure pathways haven't changed since 2005. The basis of change is that the USAF collected additional data regarding the Base hydrogeology and groundwater use since the 2005 ROD was prepared. The more complete data analysis led the USAF to determine that the shallow groundwater within 30 to 40 feet of the ground surface is not potable on-Base. This determination has been the basis for closure of 23 ERP sites at Whiteman AFB since 2005.

Therefore, the HHRA was updated for groundwater to re-evaluate the current selected remedy in the 2005 ROD for the current exposure pathways. The original HHRA had concluded there were no chemicals in soil that potentially pose unacceptable risk to human health and the environment. The updated HHRA used historical and current groundwater data to calculate risk to the potential future construction worker through dermal contact and inhalation exposures to chemicals of potential concern (COPCs) in groundwater and the potential current and future industrial worker through inhalation of COPCs in indoor air. The HHRA concluded that the risk estimates are within CERCLA and MDNR acceptable levels (CH2M HILL 2011a); therefore, this ROD amendment documents that no further remedial action is required at these sites. Since there are no current or future estimated risks, there are no Remedial Action Objectives or applicable or relevant and appropriate requirements for Sites FT-02, LF-12, and SS-44.

2.4 Site Characteristics

This section describes the chemicals detected at the sites and fate and transport of these chemicals. In addition, the conceptual site model and potential receptors at each of the three sites addressed by the ROD amendment are described below. Environmental sampling data from the site-specific RI and LTM activities were used to evaluate site contamination.

2.4.1 Geology

The shallow overburden soil generally consists of topsoil (when vegetated) underlain by lean to fat clay and clay with sand and gravel. The clay with sand and gravel is the primary water-bearing unit of the unconsolidated materials and is present at the interface between overburden soils and the shale bedrock. The bedrock consists of shale and sandstone units of the Lagonda Formation, Cherokee Group, Desmoinesian Series, and Pennsylvanian System. The shale bedrock is the confining layer for groundwater in the overburden soils.

2.4.2 Hydrogeology

Two potentially significant aquifers and three low-yielding groundwater bearing zones occur in the area of Whiteman AFB:

- A Quaternary-age unconsolidated overburden water-bearing unit consisting of alluvium, loess, and residual soil (low-yielding)
- Pennsylvanian-age, Cherokee Group shales, sandstones, and limestones (low-yielding)
- Mississippian-age limestones (low-yielding)
- Ordovician-age aquifers, specifically sandstones in Central Missouri (used for Base water supply)
- Cambrian-age aquifers, specifically dolomite (used for Base water supply)

The shallow groundwater within the unconsolidated overburden appears to be under semiconfined conditions within clay with a sand and gravel layer or clayey shale at the soil/bedrock interface. The units vary in thickness at the sites.

The shallow groundwater is contained within the top 30 to 40 feet and is present because of precipitation. Groundwater movement in the lean to fat clay is limited. Groundwater flow beneath Sites FT-02 and likely LF-12 is generally to the southeast. Groundwater flow beneath Site SS-44 is generally to the northeast, parallel with an elongated ridge of bedrock. Along the southeast flank of the bedrock ridge, groundwater flows both east and southeast. Based on the hydraulic conductivity and groundwater gradient values presented in previous reports, the groundwater flow rate at Site FT-02 was estimated to be 0.8 foot per year (Montgomery Watson 2001). At Site SS-44 the rate in the clay with sand and gravel layer was estimated to be 33 feet per year (CH2M HILL 2003); however, this may be overestimated based on LTM program data. The flow rates indicate that groundwater (if present in sufficient volume to migrate) is flowing at the clay/bedrock interface. Based on field observations and its location relative to Site FT-02, the groundwater flow rate at Site LF-12 is likely to be similar to that at Site FT-02. Due to lack of groundwater observed in soil borings and temporary wells during the RI, the flow direction and rate could not be confirmed. The shallow aquifer yield at the 3 sites is around 70 gallons per day, based on the calculations presented in Appendix A.

2.4.3 Surface Water

No surface water bodies are located at these sites.

2.4.4 Summary of Site Contamination

Chemicals in groundwater that exceed risk-based screening levels and that are determined to be related to site activities through evaluation of the nature and extent of the observed concentrations are considered COPCs. A risk assessment is performed of the COPCs to determine which chemicals potentially pose unacceptable risk to human health and the environment, known as chemicals of concern. The HHRA, which was completed before the 2005 ROD, identified unacceptable risk associated with the benzene, TCE, and cDCE in groundwater using the potable water use exposure scenario. Groundwater samples have been collected and analyzed for benzene, TCE, and cDCE at the three sites as part of the Base LTM program. The following subsections summarize the site contaminants.

2.4.4.1 Site FT-02

Groundwater sampling results are available for Site FT-02 from June 1993 to May 2009. The maximum benzene concentration detected in groundwater was 11,000 micrograms per liter (μg/L) in June 1993. The most recent sampling event (May 2009) detected benzene in groundwater at a concentration of 24 μg/L. Over the 16-year monitoring period, benzene concentrations in groundwater have reduced by 99 percent and are not migrating offsite or off-Base as supported by LTM data and groundwater modeling presented in Appendix B. Overall, the concentration of benzene has consistently decreased over time because of natural attenuation resulting from such physical processes as volatilization, dilution, and dispersion. TCE and cDCE were not detected in groundwater at Site FT-02.

2.4.4.2 Site LF-12

Groundwater sampling was conducted annually at Site LF-12 from 2005 through 2009. The maximum benzene concentration detected historically from the one temporary well with groundwater was 19 μg/L in 2003. The LTM well at Site LF-12 is about 200 feet downgradient of the historical temporary well with elevated benzene. The LTM well was sampled annually from 2005 to 2009 to determine if benzene was migrating downgradient from the site. A trace concentration (0.33 F μg/L) of benzene was observed in the LTM well in October 2005, but benzene was not detected during annual sampling from 2006 through 2009. Likely due to lack of groundwater, benzene concentrations have not migrated downgradient of the site based on LTM data. TCE and cDCE have not been detected in groundwater at Site LF-12.

2.4.4.3 Site SS-44

Groundwater sampling was conducted at Site SS-44 in August 2002, then annually from 2005 through 2009. Benzene has not been detected in groundwater at Site SS-44. TCE and cDCE were detected in groundwater at maximum concentrations of 231 and 510 μg/L, respectively, in June 2002. The LTM monitoring well at Site SS-44 is about 150 feet downgradient of the historical wells, with elevated concentrations of cDCE and TCE in groundwater at Site SS-44. Based on an estimated groundwater flow of 33 feet per year, concentrations observed within the historical wells with TCE and cDCE detections in groundwater would likely have migrated past the LTM well during LTM monitoring if migration were occurring. However, the flow rate may be overestimated based on data collected at Site FT-02. Further, concentrations of benzene, TCE, and cDCE have not been observed in groundwater within the LTM well at Site SS-44, potentially indicating that the groundwater velocity is inaccurate or overestimated.

2.4.5 Fate and Transport of Contamination

There are no current sources of contamination in soil with the potential to affect groundwater quality. The extent of groundwater contaminant migration at Sites FT-02, LF-12, and SS-44 is limited because the groundwater flow rates that predominate in the clay soil beneath the sites are very slow. Contaminant migration is further limited because there are no known contaminant sources remaining in soil. This conclusion is supported by the groundwater modeling for benzene migration at Site FT-02 (Appendix B) concluding that benzene would not migrate offsite or off-Base and by the long-term groundwater monitoring data obtained at Site FT-02 since 1996 and at Sites LF-12 and SS-44 since 2005. Concentrations at monitoring well FT02-MW-05 have continued to decrease over time and are not observed in other LTM program wells. This trend of decreasing concentrations is expected to continue over time as a result of various degradation processes that occur naturally with organic chemicals.

2.4.6 Conceptual Site Model

The conceptual model of exposure pathways depict the potential relationship or exposure pathway between chemical sources and human receptors prior to the interim remedial actions taken. An exposure pathway describes a specific environmental pathway by which a receptor can be exposed to the chemicals in environmental media.

2.4.7 Potential Receptors

The sites are considered industrial and are expected to remain industrial in the foreseeable future. Although future residents were identified as potential receptors in the 2005 ROD, residential land use of the sites is not realistic. The following are realistic current and future receptors, as approved by MDNR:

- **Future Construction Workers** may excavate soils for utility installation, maintenance, or other purposes. Shallow groundwater may seep into the excavation. VOCs could volatilize directly from ponded groundwater in the excavation. Construction workers also could experience direct skin contact with groundwater under these conditions. Because of the small amount of groundwater that may pond in excavations, incidental ingestion exposures to groundwater are insignificant and were not quantified. Therefore, it is assumed that potentially complete groundwater exposure routes for construction workers are dermal contact and inhalation.

- **Current/Future Industrial Workers** in buildings above groundwater contaminated with VOCs could be exposed through migration of VOCs from groundwater to indoor air, followed by inhalation exposure. For this pathway to be complete, it is assumed that volatile constituents in groundwater could partition into soil gas and become transported through soil gas into overlying structures. The constituents could then mix with indoor air, resulting in inhalation exposures to individuals inside the structure. With the exception of Site FT-02 (where a new Missouri Army National Guard facility is situated), existing buildings are located more than 100 feet from VOC plumes or the location with elevated chemical of concern concentrations in groundwater.

2.5 Current and Potential Groundwater Uses

The USAF collected additional data regarding the Base hydrogeology and groundwater use since the 2005 ROD was prepared for Sites FT-02, LF-12, and SS-44. The USAF concluded that the use of site groundwater as a source of potable water is unrealistic based on the following summary of current and anticipated future groundwater use:

- Shallow groundwater at Whiteman AFB does not have sufficient yield to serve as a potable aquifer (Appendix A).
- Available information indicates that only groundwater at depths of 1,000 feet or greater is used as a water supply for the Base and for irrigation of the Base golf course.
- Missouri drinking water well regulations (Title 10, Division 23, Chapter 3, of the Missouri Code of State Regulations) prevent installation of shallow (less than 80 feet) potable use wells on-Base and off-Base.
- An existing Basewide IC prevents the installation of shallow drinking water wells (less than 35 feet below ground) at the Base.

2.6 Summary of Human Health Risks

The updated HHRAs for Sites FT-02, LF-12, and SS-44 were conducted following USEPA's Risk Assessment Guidance for Superfund (USEPA 1989) and *Air Force Center for Environmental Excellence Guidance for Risk Assessment* (1997). The risk assessments were performed using a phased process that included a risk screening analysis.

The data set used to revise the HHRA consisted of data associated with groundwater samples collected during the RI conducted for each site and monitoring wells included in the LTM program (CH2M HILL 2011a). Groundwater data for Sites FT-02, LF-12, and SS-44 were evaluated on a site-by-site basis for the potential realistic receptors without land use restrictions. The chemicals of potential concern for Site FT-02 include benzene; for Site LF-12, arsenic and chromium, 1,2,4- trimethylbenzene, 1,3,5- trimethylbenzene, benzene, ethylbenzene, m,p-xylene, naphthalene, and trichloroethene; and for Site SS-44, 1,2-dichloroethane, cis-1,2- dichloroethene, total 1,2-dichloroethene, benzene, chloroform, naphthalene, trichloroethene, and vinyl chloride.

Potential receptors at the sites include future construction workers and current and future industrial workers. Risks were calculated for future construction workers through dermal contact and inhalation exposures to chemicals in groundwater and for current and future industrial workers through inhalation of chemicals at the site in indoor air. At Sites FT-02, LF-12, and SS-44, the cumulative excess lifetime cancer risk for the construction and industrial worker exposure scenario is less than 1 × 10-5 and the noncancer hazard quotient does not exceed 1 (Table 2-1), indicating that the groundwater concentrations are acceptable for the potential receptors described in Section 2.4.7.

Additional information regarding the updated HHRA is presented in the *Updated Human Health Risk Assessment for Sites FT-02, LF-12, and SS-44 at Whiteman Air Force Base, Missouri* (CH2M HILL 2011a).

The land use for these sites is industrial and is expected to remain industrial in the foreseeable future. However, per MDNR request, the indoor air scenario was reviewed for residential land use. The benzene concentration most recently measured at Site FT-02 does not exceed the Missouri Risk Based Corrective Action Tier 1 Risk-Based Target Levels for benzene for Residential Land Use, Soil Type 3 (Clayey) for either the Groundwater Risk-Based Target Levels for Indoor Inhalation of Vapor Emissions or Dermal Contact. The estimated risks at Sites LF-12 and SS-44 for residents were below the noncarcinogenic hazard and carcinogenic risk thresholds for exposures associated with indoor air (CH2MHILL 2004b; CH2MHILL 2003).

2.7 Summary of Ecological Risks

An ecological risk assessment was conducted prior to the 2005 ROD. No unacceptable ecological risks were identified at Sites FT-02, LF-12, and SS-44. A summary of the ecological risk assessment was presented in the 2005 ROD, which can be reviewed at Whiteman AFB.

TABLE 2-1
Human Health Risk Summary for Groundwater
Record of Decision Amendment—Sites FT-02, LF-12, and SS-44

	Construction Worker		Industrial Worker	
Site	**Cancer Risk[a]**	**Hazard Quotient[b]**	**Cancer Risk[a]**	**Hazard Quotient[b]**
FT-02	3E-07	0.7	1E-05	0.1
LF-12	3E-07	0.4	7E-07	0.2
SS-44	3E-08	1.0	2E-06	0.3

[a]Cancer risk criteria 1E-05 for MDNR and 1E-04 for CERCLA
[b]Hazard Quotient criteria 1.0 for MDNR and CERCLA

2.8 Current Selected Remedy

The current selected remedy for Sites FT-02, LF-12, and SS-44 was designed to prevent human exposure to groundwater containing cDCE, TCE, and benzene at concentrations above the established remediation goals. The following describes the current remedy as presented in the 2005 ROD:

ICs (Supported by Groundwater Monitoring)

The selected remedy for Sites FT-02, LF-12, and SS-44, Alternative 2—ICs (supported by Groundwater Monitoring), was selected based on cost-effectiveness and the inability to effectively reduce VOC concentrations in groundwater because of low groundwater flow conditions produced by the clayey soils underlying the Base.

Imposing ICs and taking the following supporting actions (which are collectively "performance measures") will accomplish the remedial action objective and be documented in an ICs Management Plan:

1. Documenting ICs at each site within the Base General Plan
2. Conducting a metes and bounds survey of areas for which groundwater extraction for use, other than the incidental removal of groundwater during construction or routine Base activities, is prohibited. In addition to being documented in the Base General Plan, the metes and bounds survey will be provided to MDNR (the IC

boundaries, as defined in the metes and bounds survey, will provide a buffer zone as a margin of safety to allow for the potential for future plume migration).

The Base General Plan will include provisions for the release of the ICs when remediation goals have been achieved as indicated by the results of the groundwater monitoring program during the 5-Year Review. The proposed final remedy for Sites FT-02, LF-12, and SS-44 (ICs) will remain in place until that time. Information in the Base General Plan regarding Sites FT-02, LF-12, and SS-44 will be submitted to MDNR upon incorporation into the Base General Plan. Since ICs will prohibit drilling of wells and extraction of groundwater for use, other than the incidental removal of groundwater during construction or routine Base activities, there will be no complete exposure pathways for contaminated groundwater and human health and the environment will be protected. The contaminant concentrations will decrease over time through natural degradation processes because the groundwater contaminants are organic.

A groundwater monitoring program, to be documented in a Long-term Monitoring Plan developed in consultation with the MDNR, will be implemented by the USAF to support the ICs and allow systematic, periodic evaluation of site groundwater quality to help ensure that the established IC boundaries fully encompass the contaminant plumes and remain protective of human health and the environment, and to provide objective data to support termination of ICs when remediation goals have been achieved. Implementation of the groundwater monitoring program will confirm that IC boundaries encompass contaminant plumes or else indicate the need for possible additional actions should groundwater monitoring results indicate that contaminant migration is occurring or soon will occur outside of the identified IC boundaries.

In addition to monitoring, 5-Year Reviews of each site will be conducted in accordance with Section 121c of CERCLA. As part of the 5-Year Review, a 5-year summary report will be produced that will compile the information contained in the annual groundwater monitoring reports or other reports generated for the sites, as appropriate. The ICs will be removed, with MDNR approval, if the concentrations of contaminants in groundwater are below the remediation goals for 3 consecutive sampling events occurring at least t3 months apart but no longer than 2 years apart.

2.9 Amended Selected Remedy (No Further Action Necessary)

Based on the results of the revised HHRA, no unacceptable risks to human health and the environment exist. The USAF has determined that no further remedial action is necessary for Sites FT-02, LF-12, and SS-44. However, to protect against potential groundwater use as a drinking water source, the USAF has an existing Basewide drinking water well restriction. MDNR may review the Basewide drinking water well restriction in the Base General Plan annually by scheduling an appointment with the Base Environmental Element Chief (or equivalent) or the Asset Optimization Element Chief (or equivalent). There are no principal threat wastes at the sites, and a no-action determination for the sites meets the statutory requirements of CERCLA Section 121 and the requirements of the NCP for protection of human health and the environment. Because Sites FT-02, LF-12, and SS-44 do not posc a risk to human health or the environment under the exposure scenarios, no restrictions on land use are required. However, as stated, the Basewide drinking water well restriction will remain.

3. Responsiveness Summary

Regulations under CERCLA require public participation to occur before and at the completion of the ROD amendment (for example, 40 *Code of Federal Regulations*, §300.430[f][3]). To meet the obligations, the USAF provided the community with information regarding the closure of Sites FT-02, LF-12, and SS-44 at Whiteman AFB through distribution of the Proposed Plan. The USAF offered to host a public meeting/availability session upon request; however, a meeting was not requested. The Proposed Plan and public meeting/availability session opportunity were announced in *The Daily Star-Journal and Whiteman Warrior* publications and MDNR's Web site.

Published ERP reports, including this ROD amendment, are available to the public at Whiteman AFB during business hours Monday through Friday:

Whiteman AFB
509 CES/CEAN
660 10th Street, Suite 211
Whiteman AFB, MO 65305
Phone: 660-687-6347

Alternative hours may be available based on a scheduled appointment with the Natural Resources Manager or equivalent. The Whiteman AFB Natural Resources Manager or equivalent is responsible for maintaining the repository and ensuring that documents are added to the information file as work progresses.

A public comment period for the Proposed Plan, which corresponds to this ROD amendment, began June 1 and ended June 30, 2011. The Proposed Plan was mailed directly to the Whiteman AFB mailing list, which consists of 189 addresses, for public review. The plan included information announcing the public comment period and opportunity for a public meeting/availability session. No requests for a public meeting/availability session were received, and no comments were received from the public during the public comment period.

3.1 Support Agency Comments

Support agency (MDNR) comments are available for review in the Administrative Record.

3.2 Statutory Determinations

The RI and revised HHRA for Sites FT-02, LF-12, and SS-44 concluded that the residual contamination at the sites does not pose risk under the potential future construction worker through dermal contact and inhalation exposure in groundwater and the potential current and future industrial worker through inhalation of indoor air. Therefore, the no further remedial action response meets the statutory requirements of CERCLA [§121]. Because no hazardous substances, pollutants, or contaminants remain onsite above levels that would limit use, a 5-year review will not be required for this remedial action.

4. References

Air Force Center for Environmental Excellence. 1997. *Air Force Center for Environmental Excellence Guidance for Risk Assessment.*

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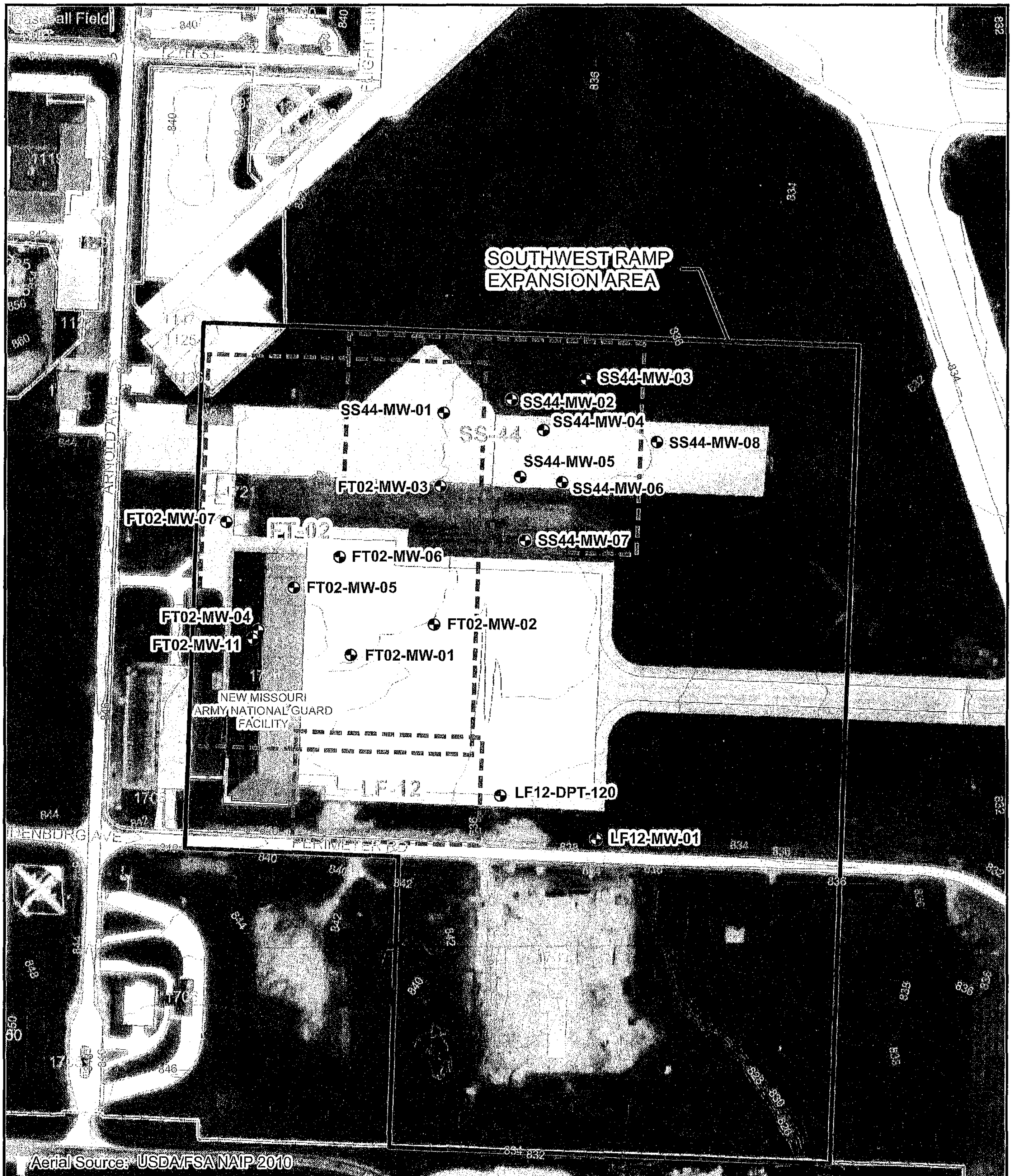
FIGURE 2-1
Base Location Map
Record of Decision Amendment
for Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

CH2MHILL



LEGEND

- APPROXIMATE SITE LIMITS
- SOUTHWEST RAMP EXPANSION AREA
- MISCELLANEOUS SURFACE FEATURE
- MISCELLANEOUS ROAD FEATURE
- PAVEMENT
- BUILDINGS
- AIRFIELD SURFACE
- FENCES
- TOPOGRAPHIC CONTOURS
- SURFACE WATER
- HISTORICAL MONITORING WELL/PIEZOMETER LOCATION
- EXISTING LONG-TERM MONITORING PROGRAM WELL LOCATION

N

0 300 Feet

FIGURE 2-3
Site Features Map
Record of Decision Amendment
for Sites FT-02, LF-12, and SS-44
Whiteman Air Force Base, Missouri

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TABLE A-1
Groundwater Yield Calculation
Whiteman Air Force Base, Missouri

Input Data	Value	Comment	Reference
K Hydraulic Conductivity (centimeter per second)	7.60E-05	Hydraulic conductivity at Site FT-02 (Literature values for the lean to fat clay at the Base would be in the E-06 and E-07 range; however Site FT-02 slug test data was used although collecting accurate slug test data from a clay subsursurface is difficult and may include characteristics of the sand filter pack.)	*Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)
b Saturated Thickness (feet)	3.1	Average from Sites FT-02 and SS-44	*Site DP-32, SS-40, SS-41, and SS-44 Remedial Investigation Report, Whiteman Air Force Base, Missouri* (CH2M HILL 2003); *Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)
h_c Confining Head (feet)	17.16	Average from Sites FT-02 and SS-44	*Site DP-32, SS-40, SS-41, and SS-44 Remedial Investigation Report, Whiteman Air Force Base, Missouri* (CH2M HILL 2003); *Installation Restoration Program (IRP), Stage 2 Remedial Investigation/Feasibility Study, Whiteman Air Force Base, Knob Noster, Missouri* (Black & Veatch 1991)

Yield Calculation
Q = (115846 x K x hc x b) / (10.2 + log (K x b)) = $\boxed{71.26}$ gallons per day
Q = Sustainable Well Yield (gallon per day)

APPENDIX B

Fate and Transport Groundwater Modeling Assessment for Site FT-02

Introduction

This appendix presents the results of a fate and transport modeling assessment for benzene concentrations in groundwater at Site FT-02 at Whiteman AFB. The modeling assessment was conducted to estimate the maximum extent of the benzene plume in groundwater at Site FT-02. The site was the subject of a ROD between the USAF and MDNR dated May 10, 2005 (CH2MHILL 2005). A ROD amendment to revise the remedy is under way.

Fate and Transport Model

The Remediation Evaluation Model for Chlorinated Solvents (REMChlor) was used to perform the modeling assessment. REMChlor is an analytical fate and transport solution that can simulate source and plume remediation of groundwater contaminants, in addition to natural attenuation processes. Although developed for chlorinated solvents, it can be applied to a variety of contaminants including benzene. A complete description of the model is presented in the *REMChlor User's Manual* (Falta et al. 2007).

Input Data

Table B-1 presents input data for the modeling assessment. The soil excavation conducted at Site FT-02 from 1996 to 1997 was integrated into the model's source remediation component for each scenario. An initial source groundwater concentration of 1,800 milligrams per liter (mg/L; approximately the solubility of benzene in groundwater) was assumed. This concentration is considered a conservative assumption to estimate the maximum plume extent, since contaminants were released during fire training activities at the ground surface and not directly to groundwater. The dissolved plume component was assumed to be subject to natural attenuation processes only.

The model was calibrated using a trial-and-error method using the temporal groundwater data from monitoring wells FT02-MW-05 and FT02-MW-02. Temporal groundwater data from 1993, 1995, 2000, 2005, and 2009 were obtained from the Air Force Center for Engineering and the Environment Environmental Restoration Program Information Management System. Only two monitoring wells were used due to the limited extent of the benzene plume at the site currently and historically. Based on the calibration, a source mass of 80 kilograms, a groundwater velocity of 5 feet per year, and a benzene first order decay rate of 0.2 foot per year were estimated for the site. The calibrated model parameters are considered to be reasonable values based on data collected at other sites at Whiteman AFB and those reported in literature.

A second model scenario was evaluated using more site-specific input to provide a range of potential plume migration. The site-specific groundwater velocity (0.8 foot per year; Montgomery Watson 2001) and site-specific benzene decay rate of 0.38 foot per year (estimated point decay based on groundwater concentrations over time at FT02-MW-05) were used. This model scenario could not be calibrated to site groundwater data because the plume did not extend far enough to reach FT02-MW-05 from the former burn pit. However, the actual benzene release location is unknown and could have been the result of a surface spill at or near FT02-MW-05 considering that FT02-MW-05 is not hydrogeologically downgradient of the burn pit. The remedial investigation included samples hydrogeologically downgradient of the burn pit; however, elevated levels of benzene were not observed.

Groundwater flow models must include simplifying assumptions in order to derive an analytical or numerical solution and can be limited in their representation of true site conditions. The simplifying assumptions, along with the selection of field data, can influence the ability of a model to calibrate to field data.

Results

Table B-2 presents the REMChlor model results. Under Scenario 1(calibrated model), the maximum plume extent is projected to be 249 feet from the expected historical source area (former burn pit). Since the extent of the existing plum is roughly 150 feet, the model indicates that additional limited plume migration may occur if the groundwater velocity is greater than observed at Site FT-02. The benzene plume will not reach the Base boundary, which is about 3,900 feet from the expected historical Site FT-02 source area. As shown in Scenario 2, if the groundwater flow rate is actually similar to the reported groundwater velocity and the benzene decay is similar to that observed in FT02-MW-05, the benzene plume will not continue to migrate. Although, this scenario did not achieve a model calibration, this could be attributed to several factors as discussed in the previous section (for example, actual location of historical release). Differences between the model calculations and actual future plume extent can be attributed to simplifying assumptions about hydrogeologic and biological processes that the model employs.

References

CH2M HILL 2005. *Final Remedial Investigation Work Plan.*

Falta, R. W., M. B. Stacy, W. M. Ahsanuzzaman, and R. C. Earle. *Remediation Evaluation Model for Chlorinated Solvents (REMChlor) User's Manual.* EPA/600/C-08/001, 2007.

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TABLE B-1
Site FT-02 Summary of Model Input
Whiteman Air Force Base, Missouri

Input Parameter	Units	Value	Reference
Initial Source Concentration (Benzene)	g/L	1.8	Solubility of benzene in water, assuming DNAPL was leaked into subsurface and resulted in saturated concentration of benzene
Source Mass (Benzene)	kg	11	Estimated with historic site soil and groundwater data by program SourceDK
	kg	80	Model-calibrated value
Gamma	---	1.5	Power function exponent; applicable for older release and fine-grained matrix
Source Width	m	49	Sum of the width of PIT #1 and #2 is approximately 160 ft
Source Depth	m	4.6	Depth of aquifer is 15 ft; assume entire aquifer in source zone was contaminated
Darcy Velocity	m/yr	0.05	Site-specific value (groundwater seepage velocity = 0.8 ft/yr)
	m/yr	0.30	Model-calibrated value (groundwater seepage velocity = 5 ft/yr)
Effective Porosity (ne)	ft^3/ft^3	0.2	Estimated mobile porosity
Source Fraction Removed	---	0.99	Assume majority of source removed by excavation
Remediation Start Time	yr	21	Assuming release occurred in 1975, excavation started in 1996
Remediation End Time	yr	22	Excavation finished in 1997
Source Decay	1/yr	0	Assume no additional source decay
Retardation Factor (Benzene)	---	1.3	Calculated; R = 1 + (Koc*foc* pb)/n
Partition Coefficient for Benzene (Koc)	L/kg	59	Soil Screening Guidance: Technical Background Document; Appendix K (EPA, 1996)
Fraction Organic Carbon (foc)	---	0.001	Estimated value
Soil Bulk Density (pb)	kg/L	1.7	Estimated value
Total Porosity (n)	ft^3/ft^3	0.3	Estimated value
Sigma v	---	0.14142	Assume $\alpha x = x/100$; low dispersion based on current plume front location
vMin	---	0	Default value; REMChlor User's Guide
vMax	---	1.57	Calculated value from 1+4×Sigmav
# streamtubes	---	5000	Arbitrary value to simulate smooth plume output
Alpha y	m	0.046	Assume $\alpha y = \alpha x/10$ and plume length of x = 150 ft (i.e., 46 m)
Alpha z	m	0.001	Assume limited vertical dispersion
Maximum X Direction	m	500	Arbitrary value
Maximum Y Direction	m	0	Assume centerline flow
Maximum Z Direction	m	0	Assume centerline flow
First Order Decay Rate-Benzene	/yr	0.25 - 0.38	Estimated point decay rate based on temporal FT02-MW-05 data; range of decay rates is based on subsets of the data, which may be temporally influenced
	/yr	0.20	Model-calibrated value (Note: Lower range of benzene decay rates reported in literature is approximately 0.02 /yr)
Field Calibration Data (Benzene)			
FT02-MW-02	μg/L	<1	Distance = 46 m (150 ft), from the edge of the source zone
			1995, Year 20
FT02-MW-05			Distance = 21 m (70 ft), from the edge of the source zone
	μg/L	11000	1993, Year 18
	μg/L	8000	1995, Year 20
	μg/L	952	2000, Year 25
	μg/L	410	2005, Year 30
	μg/L	24	2009, Year 34

ft	foot	L	liter
ft^3/ft^3	cubic feet per cubic foot	m	meter
g	grams	μg	micrograms
kg	kilogram	yr	year

TABLE B-2
Site FT-02 Summary of Model Results
Whiteman Air Force Base, Missouri

Scenario	Decay Rate (/yr)	Source Mass (kg)	Darcy Velocity (m/yr)	Seepage Velocity (ft/yr)	Estimated Maximum Plume Extent (m)	(ft)
1	0.2	80	0.3	5	76	249
2	0.38	80	0.05	0.8	8	26

Note: The current plume extent is estimated at 150 feet. The distance to the base boundary is about 3,900 feet.
ft - feet
kg - kilogram
m - meter
yr - year

FINAL
PRELIMINARY ASSESSMENT REPORT FOR PERFLUORINATED COMPOUNDS AT WHITEMAN AIR FORCE BASE KNOB NOSTER, MISSOURI

Prepared for:

Air Force Civil Engineer Center
2261 Hughes Avenue, Suite 155
Lackland AFB, Texas 78236-9853

Contract No. FA8903-08-D-8772
Task Order 0065
CDRL A001A

December 2015

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CDRL A001A

Prepared by:

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December 2015

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REPORT DOCUMENTATION PAGE		Form Approved QMB No. 0704-0188
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LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFFF	aqueous film-forming foam
ANG	Air National Guard
Base	Whiteman Air Force Base
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
EDR	Environmental Data Resources, Inc.
FAST	Fire Alarm Suppression Team
FTA	Fire Training Area
Halliburton	Halliburton NUS Corporation
HDPE	high-density polyethylene
HGL	HydroGeoLogic, Inc.
LO	Low Observable
ml	milliliter
NPDES	National Pollutant Discharge Elimination System
No.	number
PA	preliminary assessment
PFC	perfluorinated compound
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
RCRA	Resource Conservation Recovery Act
RI	Remedial Investigation
ROD	Record of Decision
SI	Site Inspection
USAF	U.S. Air Force
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank
WWTP	wastewater treatment plant

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FINAL
PRELIMINARY ASSESSMENT REPORT
FOR PERFLUORINATED COMPOUNDS
WHITEMAN AIR FORCE BASE
KNOB NOSTER, MISSOURI

1.0 INTRODUCTION

The Air Force Civil Engineer Center (AFCEC) contracted with HydroGeoLogic, Inc. (HGL) and subcontractor CH2M HILL (the HGL Team) to perform preliminary assessment (PA) activities at multiple U.S. Air Force (Air Force or USAF) and Air National Guard (ANG) Fire Training Areas (FTAs) to determine probable environmental release of perfluorinated compounds (PFCs). Specifically, HGL is completing PA activities consistent with the U.S. Environmental Protection Agency (USEPA) Guidance for Preparing Preliminary Assessments under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (USEPA, 1991) to determine potential releases of PFCs at 82 Air Force and ANG installations from FTAs and other known and suspected PFCs or aqueous film-forming foam (AFFF) usage or storage areas. The work is being performed by HGL and its team subcontractor, CH2M HILL, under the existing 4P Architecture and Engineering Contract, Contract Number FA8903-08-D-8772, Task Order 0065.

Under authority of CERCLA and the Superfund Amendments and Reauthorization Act of 1986, CH2M HILL conducted a PA visit at Whiteman Air Force Base (AFB) during the week of September 8, 2015. Whiteman AFB is an active installation in Johnson County, Missouri. The location of Whiteman AFB and the locations identified on Whiteman AFB during this PA visit are shown on Figure 1.1.

1.1 BACKGROUND

PFCs are compounds used in the formulation of AFFF, which the Air Force has used in fire training exercises, suppressing aircraft and other vehicle fires, and in aircraft hangar fire suppression systems. Although PFCs are not regulated under CERCLA or the Resource Conservation and Recovery Act (RCRA), there is evidence that perfluorooctane sulfonate (PFOS) (and less so perfluorooctanoic acid [PFOA]) is a possible environmental contaminant following AFFF release. Both compounds may present potential, non-carcinogenic risks to human health and the environment (Chang et al., 2014; Porter, 2011; Rak and Vogel, 2009; USAF, 2012).

Several federal government documents confirm the initial use of AFFF by the Air Force beginning in 1970:

- Military Specification for AFFF (MIL-F-24385), formally issued in 1969
- General Accounting Office determination on sole source award protest to provide AFFF to the Navy in December 1969
- A History of USAF Fire Protection Training at Chanute Air Force Base, 1964-1976 (Coates, 1977)

Based on Air Force performance testing results on AFFF, the Air Force Director of Civil Engineering, M.G. Goddard, issued authorization in 1970 for the Air Force to procure AFFF. No usage within the Air Force is documented or suspected prior to 1970.

1.2 PURPOSE AND OBJECTIVES

The objective of this PA Report is to identify locations at Whiteman AFB where PFCs may have been released into the environment and to provide an initial assessment of possible migration pathways and receptors of potential contamination. In 1991, the Air Force began a program to replace existing non-engineered FTAs with new engineered FTAs that use propane fuel. The engineered FTA consists of a high-density polyethylene (HDPE) liner and berm for containment. The runoff is collected in pipes that are fed to a retention pond that is also lined with HDPE. The retention pond is not connected to any stormwater or wastewater system. (Blaisdell and Tracy, 2015, personal communications; Appendix C).

This PA Report documents the known FTAs, as well as additional locations where AFFF may have been released into the environment at Whiteman AFB (Table 1.1). The purpose of the PA is to determine the potential environmental release of PFCs specifically from AFFF usage and storage. This PA Report differentiates locations that pose little or no potential threat to human health and the environment from locations that warrant further investigation.

Table 1.1
Fire Training Areas and Non-Fire Training Areas Identified for Potential AFFF Releases, Whiteman AFB, Missouri

Fire Training Areas
Former FTA (FT-02)
Former FTA (FT-16)
Current FTA
Non-Fire Training Areas
Hangars
Buildings 5050 and 5051 (Docks 1 and 2)
Buildings 5052 and 5053 (Docks 3 and 4)
Buildings 5054 and 5055 (Docks 5 and 6)
Buildings 5058 and 5059 (Docks 7 and 8)
Buildings 5060 and 5061 (Docks 9 and 10)
Buildings 5062 and 5063 (Docks 11 and 12)
Buildings 5064 and 5065 (Docks 13 and 14)
Buildings 5205 and 5206 (Low Observable [LO] Facility)
Buildings 1 and 27
Building T-9
Building 91
Building 1117
Building 1118
Building 1125
Fire Stations
Former Building 39 (Former Fire Station)
Building 34 (Fire Station)

Table 1.1
Fire Training Areas and Non-Fire Training Areas Identified for Potential AFFF Releases, Whiteman AFB, Missouri

Emergency Response
1979 Visitor Plane Crash
Fighter Plane Crash
Other
Building 139 (Supply Warehouse)
Building 26 (Aircraft Parts Store)
AFFF Holding Ponds
Outfall 1A

1.3 BASEWIDE ENVIRONMENTAL SETTING

A detailed description of the topography, soil types, surface water, and groundwater is in the Installation Restoration Program Whiteman Air Force Base, Missouri, Draft RCRA Facilities Investigation, Volume 1 – Text (Halliburton NUS Corporation [Halliburton], 1994) and is summarized in the sections below.

1.3.1 Geology

Whiteman AFB is located in the Osage Plains physiographic province with a landscape consisting of gently undulating hills, broadly eroded valleys, and dissected uplands. This physiographic region lies just below the southern limit of Pleistocene glaciation and, therefore, was essentially unaffected by direct glacial geomorphological processes (Halliburton, 1994).

The topography of the Base itself is nearly flat. This nearly flat-lying, slow-draining topography differs greatly from the highly dissected topography to the west because of the presence of the Verdigris Formation. The Ardmore limestone, a member of the Verdigris Formation, is highly resistant to weathering, and its presence at the Base accounts for the nearly level topography. The Verdigris Formation has been eroded away directly west of the Base (Halliburton, 1994).

The bedrock units underlying Whiteman AFB are Paleozoic in age, consisting of the Pennsylvanian and Mississippian Systems. Bedrock is of the Cherokee group, a major unit of the Desmoinesian series of the Pennsylvanian System. The units in the area consist of thin, interbedded sandstone, siltstone, shale, underclay, limestone, and coal. In areas surrounding streams and riverbeds, Quaternary alluvium overlies older Pennsylvanian rocks. In the immediate vicinity of the Base, several lateral changes in lithology and thickness of units occur. There are numerous plunging anticlines and synclines in the area that generally trend northwest to southeast. A broad, open, poorly defined synclinal trough directly beneath Whiteman AFB plunges northwest at approximately 10 feet per mile (Halliburton, 1994).

The Base lies in Seismic Zone 1 and is located in an area in which a maximum credible earthquake of magnitude of 6.1 is predicted. However, no major faults or fracture zones have been mapped near the Base. In addition, the soils in the area are not subject to liquefaction (Halliburton, 1994).

1.3.2 Hydrogeologic Setting

Five groundwater-bearing units can be identified in the area that includes Whiteman AFB: (1) a Quaternary Age surficial aquifer consisting of alluvium, loess, and residuum; (2) shale, siltstone, sandstone, coal, underclay, and limestone associated with the Pennsylvanian Age Cherokee Group; (3) Mississippian Age limestones; (4) Ordovician Age aquifers that include the Jefferson City Dolomite, the Roubidoux Formation, and the Gasconade Dolomite; and (5) Cambrian Age aquifers, specifically the Eminence Dolomite (Halliburton, 1994).

Water-bearing characteristics of the surficial aquifer are uncertain due to the seasonal variability of groundwater at shallow depths. Groundwater occurs in the alluvium near flowing streams, and, to a lesser degree, above the residual soil/bedrock interface within the top 30 to 40 feet. Eventually, this surficial water infiltrates laterally and vertically into other areas, provided that no additional recharge occurs. Infiltration of precipitation is the primary means by which groundwater in the surficial deposits is recharged (Halliburton, 1994).

The Base is located in a recharge zone for the shallow groundwater system, and most groundwater discharge from the shallow, surficial aquifer is probably to local streams. Minor amounts of groundwater from the surficial aquifer probably percolate to deeper aquifers. Due to the small yield and poor quality of water in the surficial aquifer, it is not locally used as a source of water supply (Halliburton, 1994).

The Base pumps its water from eight on-Base wells. The wells tap the Roubidoux and Gasconade Formations with a maximum depth of 1,171 feet and were installed between 1942 and 1961. Figure 1.1 presents the Base water supply well locations (Halliburton, 1994).

1.3.3 Hydrologic Setting

Whiteman AFB is traversed by several small perennial streams that drain the eastern and western portions of the Base. The streams in the western half of the Base are tributaries to Brewer Branch Creek. Brewer Branch Creek flows approximately 2 miles west from the Base boundary to Clear Fork Blackwater River. Clear Fork Blackwater River then flows north into Clear Creek and then into the Blackwater River. The streams in the eastern half of the Base are tributaries to Long Branch Creek. Long Branch Creek flows approximately 5 miles east from the Base boundary to Muddy Creek. Muddy Creek then flows east into the Lamine River. Both the Blackwater and Lamine Rivers are part of the Missouri River drainage basin. Two manmade ponds along the western edge of the Base, as well as five small lakes in adjacent Knob Noster State Park, provide permanent surface water reservoirs (Halliburton, 1994).

Approximately 70 percent of the 3.7 million gallons per day of treated wastewater produced by Whiteman AFB is discharged to Brewer Branch Creek. U.S. Geological Survey topographic maps (1955 and 1981) designate Brewer Branch Creek as a perennial stream. The upland watersheds for Brewer Branch Creek and Long Branch Creek consist primarily of agricultural land and Base land. Base streams are not classified by the Missouri Department of Natural Resources for the protection of aquatic species. Additionally, the Base streams are not used as a source of potable water. Due to the poor infiltration capacity of the base soils and the low relief, intense rainfall causes localized flooding in several parts of the Base (Halliburton, 1994).

1.3.4 Ecological Receptors

The following endangered species is known to inhabit Johnson and Pettis Counties (Environmental Data Resources, Inc. [EDR], 2015):

- Milkweed, Mead's – Plant

According to Glenn Golson, Environmental Element Chief, and based on a recent endangered plant species survey, Mead's milkweed was not found within the boundaries of Whiteman AFB. The reviewed information does not distinguish between federal and state listed species.

1.4 PRELIMINARY ASSESSMENT METHODS

This PA Report was prepared in accordance with the following guidance documents:

- CERCLA Guidance (USEPA, 1991)
- Interim Air Force Guidance (USAF, 2012)
- U.S. Fish and Wildlife Service (USFWS) Guidance (USFWS, 2015a; USFWS, 2015b)

The performance of this PA included the following activities:

- Reviewing information and reports in the Administrative Record.
- Reviewing documents related to Air Force use of AFFF.
- Conducting a 2-day visit to Whiteman AFB.
- Conducting interviews with government personnel in Environmental Programs, Whiteman AFB Fire Department, Wastewater Treatment Plant (WWTP), Fire Alarm Suppression Team (FAST), Base Histories, and GeoBase Administration.
- Visiting and photographing locations where AFFF has been used or may have been used.
- Performing an environmental data records search to document nearby populations and recording water supply well information and wetlands information.

If a location's operational history indicates that AFFF was not used, then no pathway and environmental hazard assessments were completed for that particular location.

1.5 REPORT ORGANIZATION

This PA Report is organized as follows:

- Section 1.0, Introduction, provides a project overview and describes the methods used to conduct the PA.
- Section 2.0, Fire Training Areas, describes the FTAs identified during the location visit.
- Section 3.0, Non-Fire Training Areas, describes the non-FTAs identified during the location visit.
- Section 4.0, Summary and Conclusions, summarizes and provides conclusions for both FTAs and non-FTAs.
- Section 5.0, References, lists the references cited in this report.

In addition, the following support information is appended to this report:

- Appendix A, Photo Documentation
- Appendix B, Field Documentation
- Appendix C, Records of Communication

FIGURE

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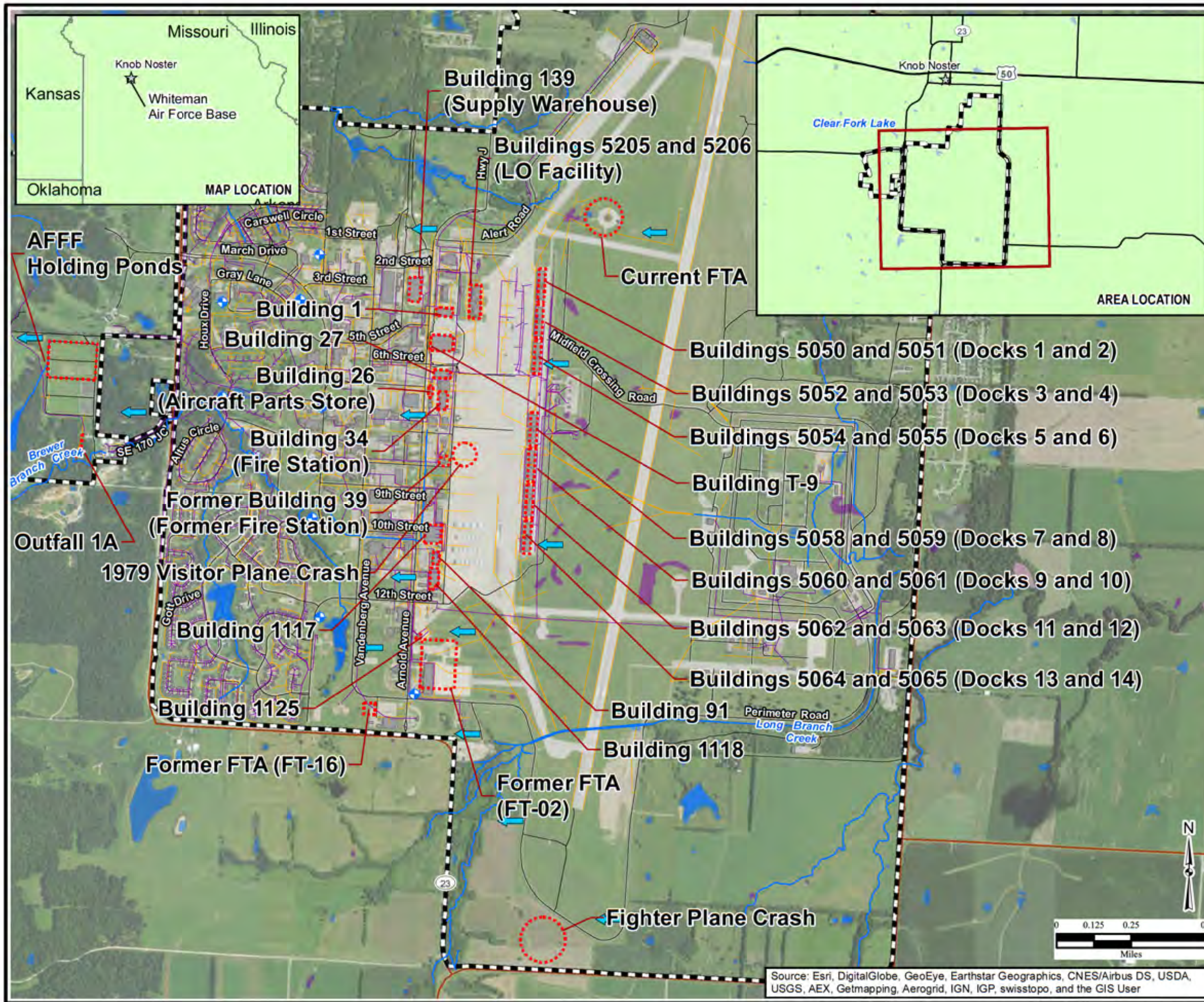

Figure 1.1
All Identified Locations
Whiteman AFB, Missouri

Legend

- Approximate Groundwater Flow
- Water Production Well
- Stream
- Wastewater Line
- Storm Sewer Line
- Road
- Secondary State and County Highway
- Area View
- Approximate Location
- Installation Boundary
- Building
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

Notes:
AFFF = aqueous film-forming foam
FTA = fire training area
LO = Low Observable

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9/29/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygon, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

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2.0 FIRE TRAINING AREAS

2.1 FORMER FTA (FT-02)

2.1.1 Description and Operational History

Former FTA (FT-02) is currently an Apache helipad with associated buildings and an additional concrete pad, and is surrounded by grassy areas on the south end of the Base. The geographic coordinates are 38°43'4.107"N and 93°33'40.469"W. The location of Former FTA (FT-02) is shown on Figures 1.1 and 2.1.

FT-02 is a former fire protection training area that consisted of two former burn pits, two aboveground storage tanks for fuel, a waste oil underground storage tank (UST), two small unlined ponds, and an unlined pond with an oil-water separator used for fire training activities. Operations began at FT-02 with the construction and use of Burn Pit 1 in the mid-1960s. Burn Pit 2 was constructed at FT-02 after 1988, and fire training exercises ceased at FT-02 in 1992 (Montgomery Watson, 2001; Takács, 2015, personal communication; Appendix C). It is unknown whether AFFF discharges occurred at FT-02, but such occurrences are likely.

FT-02 is an Installation Restoration Program site for Whiteman AFB. The contaminant of concern for this location was benzene. Remediation activities included excavating soil and conducting long-term monitoring. In 2005, the Record of Decision (ROD) identified institutional controls and groundwater monitoring as the remedies for this location. A ROD Amendment in 2011 discontinued groundwater monitoring at the location (AFCEC, 2014). No further remedial action is required for this location and a Site Closure is currently being pursued (Takács, 2015, personal communication; Appendix C). A full description of the site and operational history are in previous investigation documents.

2.1.2 Waste Characteristics

The Fire Chief and Installation Restoration Program Manager did not have knowledge of, or records of, the quantity of AFFF used/released. Based on the operational history of the site and the historical usage of AFFF within the Air Force during these years, the potential for PFCs released to the environment is likely.

2.1.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 6,300 feet hydrologically cross-gradient of the Former FTA (FT-02). Whiteman Elementary School, located on Base, is approximately 7,200 feet hydrologically cross-gradient of the Former FTA (FT-02).

2.1.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 9) is located approximately 160 feet hydrologically downgradient from the Former FTA (FT-02) (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the Former FTA (FT-02) is 5,890. Several residential wells are located within a 4-mile radius of the Former FTA (FT-02), with the closest at approximately 3,300 feet hydrologically cross-gradient from the Former FTA (FT-02). However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers in shallow excavations. The nearest residence is located approximately1,900 feet to the southwest and downgradient of the Former FTA (FT-02).

2.1.3.2 Surface Water Pathway and Targets

The surface water at the Former FTA (FT-02) runs off from the helipad and infiltrates into the surrounding grassy areas. The surrounding area is generally flat, but the closest surface water inlet to FT-02 is Long Branch Creek located approximately 1,200 feet southeast. Surface water flows to Long Branch Creek. Long Branch Creek is commonly used for recreational fishing and presents a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a wetland located northeast and 670 feet upstream from Former FTA (FT-02).

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Long Branch Creek (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

2.1.3.3 Soil and Air Exposure Pathways and Targets

Former FTA (FT-02) is located in an aircraft traffic area of the Base. A wetland is within 1,000 feet of FT-02 and within 1 mile of residential areas. Due to aircraft traffic, the location is frequented by Base personnel on a daily basis, which creates a potential worker exposure. Also, due to the aircraft creating airborne dust, fugitive dust emissions create a potential exposure pathway. The underground utilities at FT-02 are sanitary sewer and storm sewer lines that present a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present in the grassy areas surrounding the helipad.

No schools or day care facilities are within a 200-foot radius of the Former FTA (FT-02). The nearest child development center (Building 3021) is located approximately 6,300 feet to the northwest. Whiteman Elementary School is located approximately 7,200 feet to the northwest.

2.2 FORMER FTA (FT-16)

2.2.1 Description and Operational History

Former FTA (FT-16) is located at the southwest corner of the intersection of Vandenberg Avenue and Attack Avenue near the south end of the Base. It is currently a concrete parking area for military vehicles and a grassy area. The geographic coordinates are 38°42'56.357"N and 93°33'55.695"W. The location of the Former FTA is shown on Figures 1.1 and 2.1.

Former FTA (FT-16) has not been confirmed as actually ever having been an active FTA. A 1955 high-altitude aerial photograph showed the outline of the location. Based on historical practices, it is assumed that contaminated fuels were burned during the training exercises (Halliburton, 1997). It is unknown when or if AFFF was discharged at FT-16, but it is likely based on historical practices at FTAs.

Former FTA (FT-16) is an Installation Restoration Program site for Whiteman AFB. Remediation activities included groundwater, soil, and soil gas sampling (Halliburton, 1994). The current status of the site is closed with no further action (Takács, 2015, personal communication; Appendix C). More details of the investigations conducted onsite are described in previous investigation documents.

2.2.2 Waste Characteristics

The Fire Chief and Installation Restoration Program Manager did not have knowledge of, or records of, the quantity of AFFF used/released or the time frame the location was used as an FTA. Based on the operational history of the site and the historical usage of AFFF within the Air Force during these years, the potential for PFCs released to the environment is likely.

2.2.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 6,800 feet hydrologically cross-gradient of the

Former FTA (FT-16). Whiteman Elementary School located on Base is located approximately 7,600 feet hydrologically cross-gradient of the Former FTA.

2.2.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 9) is located approximately 690 feet hydrologically upgradient from the Former FTA (FT-16) (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the Former FTA (FT-16) is 5,890. Several residential wells are located within a 4-mile radius of the Former FTA, with the closest at approximately 3,100 feet hydrologically cross-gradient from the Former FTA. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers and in shallow excavations. The nearest residence is located approximately 800 feet to the southwest and downgradient of the Former FTA.

2.2.3.2 Surface Water Pathway and Targets

The surface water at the Former FTA (FT-16) runs off from the impervious parking area and infiltrates into the surrounding grassy areas. The surrounding area is generally flat, but the closest surface water inlet to FT-16 is Skelton Lake located approximately 700 feet northwest. Surface water collected in Skelton Lake flows north and then west into Brewer Branch Creek for approximately 3.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and presents a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a wetland located southeast and 500 feet upstream from Former FTA (FT-16).

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on the Brewer Branch Creek and Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

2.2.3.3 Soil and Air Exposure Pathways and Targets

Former FTA (FT-16) is located in a traffic area of the Base. A wetland is within 500 feet of FT-16 and within 1 mile of residential areas. Because the location contains a parking lot, the location is frequented by Base personnel on a weekly basis. However, the paved parking area and the well-vegetated area surrounding the parking area would preclude any fugitive dust emissions and potential exposures. The underground utility at FT-16 is sanitary sewer, which presents a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present in the grassy areas surrounding the parking area.

No schools or day care facilities are within a 200-foot radius of the Former FTA (FT-16). The nearest child development center (Building 3021) is located approximately 6,800 feet to the northwest. Whiteman Elementary School is located approximately 7,600 feet to the northwest.

2.3 CURRENT FTA

2.3.1 Description and Operational History

The current FTA at Whiteman AFB was constructed in 2001 and is located on the north end of the Base between the taxi runways. The current FTA contains a fire training pit that is double lined with a 60 milliliter (ml) and 80 ml high-density polyethylene (HDPE) liner. Only propane and water are used during fire training exercises. Below the pit is a piping system that collects all runoff from the training exercises. This system leads to the retention basin adjacent to the training pit to the west. The retention pond is also double lined with 60 ml and 80 ml HDPE liners (Chabotte and Blaisdell, 2015, personal communication; Appendix C). The geographic coordinates are 38°44'21.833"N and 93°33'4.410"W. The locations of the current FTA and retention pond are shown on Figures 1.1 and 2.2.

All fire truck AFFF nozzle spray testing takes place at the fire training pit. The Fire Chief indicated that approximately 5 gallons of AFFF are discharged during the annual spray testing for the fire engines. Liquid collected from the fire training pit area, including AFFF from the nozzle spray testing, is piped to the retention pond (Blaisdell, 2015, personal communication; Appendix C). The liquid in the retention pond have not been removed for disposal since 2001, and the retention pond is not connected to any storm or wastewater system on Base (Tracy, 2015, personal communication, Appendix C). AFFF is contained within the engineered structures at the current FTA, and there have been no known or documented releases of AFFF to the environment at this location (Blaisdell, 2015, personal communication; Appendix C).

2.3.2 Waste Characteristics

Not applicable.

2.3.3 Pathway and Environmental Hazard Assessment

Not applicable.

2.3.3.1 Groundwater Pathway and Targets

Not applicable.

2.3.3.2 Surface Water Pathway and Targets

Not applicable.

2.3.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

FIGURES

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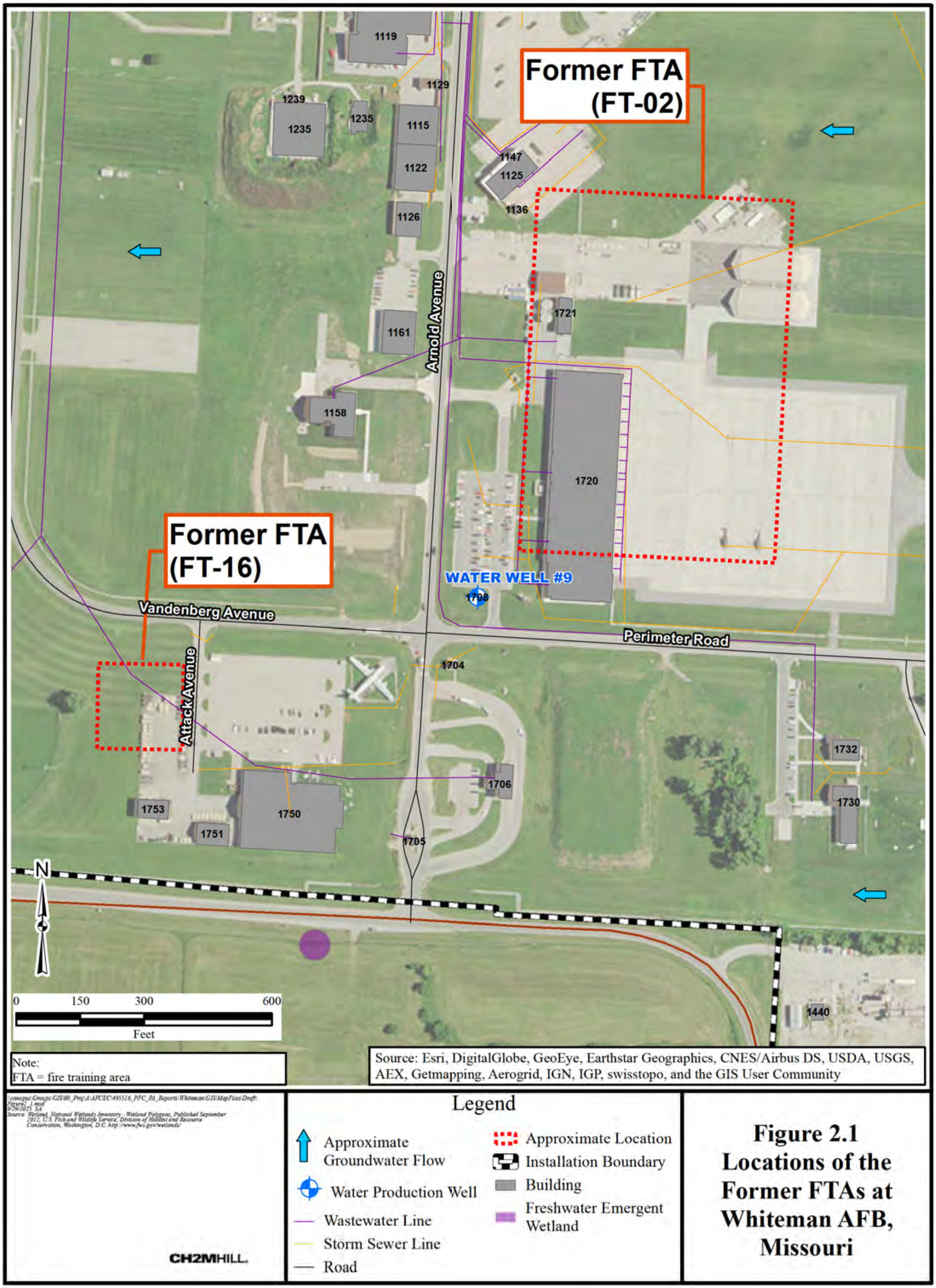

Figure 2.1
Locations of the Former FTAs at Whiteman AFB, Missouri

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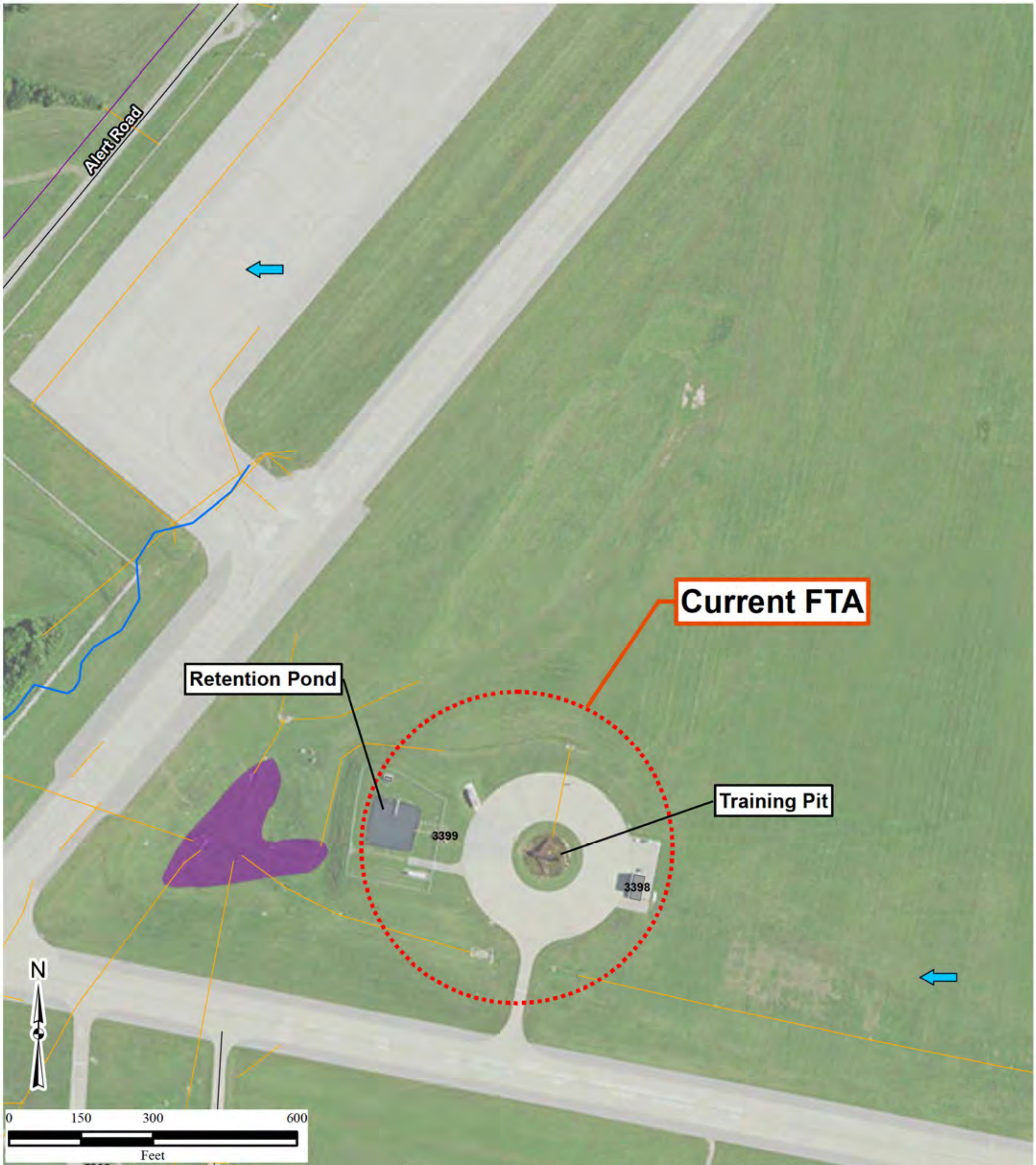

Note:
FTA = fire training area

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

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Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Building
- Freshwater Emergent Wetland

Figure 2.2
Location of the Current FTA at Whiteman AFB, Missouri

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3.0 NON-FIRE TRAINING AREAS

3.1 HANGARS

3.1.1 Buildings 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, and 5065 (Docks 1 through 14)

3.1.1.1 Description and Operational History

Starting at the north end of the flightline along the eastern edge and going south are Buildings 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, and 5065 (Docks 1 through 14). These buildings are aircraft hangars. Docks 1 and 2 were constructed in 1991; Docks 5 and 6 in 1992; Docks 3 and 4 in 1993; Docks 7, 8, 9, and 10 in 1996; Docks 11 and 12 in 1997; and Docks 13 and 14 in 1999 (See, 2015, personal communication; Appendix C). The geographic coordinates for each pair of docks starting with Docks 1 and 2 are 38°44'9.947"N and 93°33'18.117"W, Docks 3 and 4 are 38°44'3.710"N and 93°33'18.542"W, Docks 5 and 6 are 38°43'57.478"N and 93°33'18.941"W, Docks 7 and 8 are 38°43'45.004"N and 93°33'19.733"W, Docks 9 and 10 are 38°43'38.771"N and 93°33'20.161"W, Docks 11 and 12 are 38°43'32.532"N and 93°33'20.534"W, and Docks 13 and 14 are 38°43'26.297"N and 93°33'20.940"W. The locations of the 14 docks are shown on Figures 1.1, 3.1, and 3.2.

Each pair of docks shares a 3,000-gallon tank of AFFF for the fire suppression systems. The system includes an overhead open sprinkler system and spray nozzles located throughout the floor that spray upward when the system is activated to suppress fires on the underside of aircraft. Although each building fire suppression system is tested yearly, AFFF is discharged from the system only every 2 years. Three hundred gallons of AFFF are discharged from the fire suppression system during each test. Tests occur during the summer over an approximately 4-month period. Discharges are collected in floor drains located inside of each building. The floor drains are then routed to a 250,000-gallon UST located east of the buildings between Docks 6 and 7 (See, 2015, personal communication; Appendix C). When the AFFF tests of the fire suppression systems occur, all industrial wastewater for that day is routed to the 250,000-gallon UST. All industrial wastewater from the UST, which is approximately 200,000 gallons, is then transported through the wastewater lines to the AFFF holding ponds located at the WWTP and bypasses the WWTP system (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

Accidental discharges have occurred at 9 of the 14 docks: Docks 2, 4, 5, 6, 7, 11, 12, 13, and 14 (Blaisdell, 2015, personal communication, Appendix C) (Field Documentation, Appendix B). When accidental discharges have occurred at the docks, all 300 gallons of AFFF contained in the system have discharged. The AFFF is then captured (typically 250 gallons) and put back into the system, while the remaining amounts (about 50 gallons) are routed to the floor drains that lead to the 250,000-gallon UST (See, 2015, personal communication, Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.1.2 Waste Characteristics

Not applicable.

3.1.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.1.2 Buildings 5205 and 5206 (LO Facility)

3.1.2.1 Description and Operational History

Buildings 5205 and 5206 (LO Facility) were constructed in 2002 and are located on the west side of the flightline at the north end across from Buildings 5051 and 5052 (Docks 2 and 3). These buildings are aircraft hangars. The geographic coordinates for the pair of buildings are 38°44'7.033"N and 93°33'32.833"W. The location of the LO Facility is shown on Figures 1.1 and 3.1.

Buildings 5205 and 5206 (LO Facility) share a 1,000-gallon tank of AFFF for the fire suppression system. The system has only spray nozzles located throughout the floor. These nozzles spray AFFF upward when the system is activated to suppress fires on the underside of aircraft. Although each building is tested yearly, discharges of AFFF from the fire suppression system occur only every 2 years. Three hundred gallons of AFFF are discharged from the fire suppression system during each test. Tests occur during the summer over an approximately 4-month period. Discharges are collected in floor drains located inside each building. These drains are then routed to a 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). When the AFFF tests of the fire suppression systems occur, all industrial wastewater for that day is routed to the 250,000-gallon UST. All industrial wastewater from the UST, which is approximately 200,000 gallons, is then transported through the wastewater lines to the AFFF holding ponds located at the WWTP and bypasses the WWTP system (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no accidental discharges at Buildings 5205 and 5206 (LO Facility) (Blaisdell, 2015, personal communication; Appendix C). However, if an accidental discharge had occurred, it would have been cleaned up in the same manner as it is at the docks. The bulk of the discharge would be captured and put back into the system, while the remaining amount would be routed to the floor drains that lead to the 250,000-gallon UST (See, 2015, personal communication; Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.2.2 Waste Characteristics

Not applicable.

3.1.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.1.3 Building 1 and Building 27

3.1.3.1 Description and Operational History

Building 1 and Building 27 were constructed in 1991 with identical layouts. Building 1 is located west of Building 5206 and north of Building T-9. Building 27 is located just south of Building T-9 and Hangar Road. Both hangars are used for aircraft maintenance. The geographic coordinates for Building 1 are 38°44'5.194"N and 93°33'39.569"W. The geographic coordinates for Building 27 are 38°43'54.471"N and 93°33'40.027"W. The locations of Building 1 and Building 27 are shown on Figures 1.1 and 3.1.

Building 1 and Building 27 each has a 600-gallon bladder tank of AFFF for the hangar fire suppression system. The AFFF system includes four underwing arm cannons located in the four corners of each hangar. The suppression system inside the hangars has not been tested with the discharge of AFFF. Building 1 and Building 27 contain floor drains inside the hangars. These drains lead to the 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). The fire department has documented no AFFF discharge or release outside of the engineered system at Building 1 and Building 27. (Blaisdell, 2015, personal communication; Appendix C).

3.1.3.2 Waste Characteristics

Not applicable.

3.1.3.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.3.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.3.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.3.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.4 Building T-9

3.1.4.1 Description and Operational History

Building T-9 was the first hangar built on Base in 1954. It is located south of Building 1 and north of Building 27 and Hangar Road. The hangar is used for aircraft maintenance. The geographic coordinates for Building T-9 are 38°43'59.841"N and 93°33'40.096"W. The location of Building T-9 is shown on Figures 1.1 and 3.1.

The fire suppression system with AFFF was installed in 1991. The system includes a 1,200-gallon bladder tank of AFFF that discharge through eight underwing arm cannons. A set of four cannons is used on each side of the hangar. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building T-9 contains floor drains inside the hangar. These drains lead to the 250,000-gallon UST located east of the docks between Buildings 5055 and 5058 (Docks 6 and 7) (See, 2015, personal communication; Appendix C). The fire department has documented no AFFF outside of the engineered system at Building T-9 (Blaisdell, 2015, personal communication; Appendix C).

3.1.4.2 Waste Characteristics

Not applicable.

3.1.4.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.4.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.4.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.4.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.5 Building 91

3.1.5.1 Description and Operational History

Building 91 was constructed in 1991. It is located on the west side of the flightline between Building 1117 to the north and Building 1118 to the south. The geographic coordinates for Building 91 are 38°43'22.553"N and 93°33'41.007"W. The location of Building 91 is shown on Figures 1.1 and 3.3.

Building 91 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 91 contains floor drains inside the hangars. These drains lead to a 30,000-gallon UST that is shared with Building 1117. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has not documented AFFF outside of the engineered system at Building 91 (Blaisdell, 2015, personal communication; Appendix C).

3.1.5.2 Waste Characteristics

Not applicable.

3.1.5.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.5.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.5.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.5.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.6 Building 1117

3.1.6.1 Description and Operational History

Building 1117 is an aircraft hangar with additional workspace inside that was constructed in 1995. It is located on the west side of the flightline north of Building 91. The geographic coordinates for Building 1117 are 38°43'26.684"N and 93°33'41.799"W. The location of Building 1117 is shown on Figures 1.1 and 3.2.

Building 1117 has a 1,000-gallon polyethylene tank containing AFFF for the fire suppression system inside the aircraft hangar part of the building. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 1117 contains floor drains inside the hangar. These drains lead to a 30,000-gallon UST that is shared with Building 91. When AFFF is discharged from the system and goes into the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no AFFF discharge or release outside of the engineered system at Building 1117 (Blaisdell, 2015, personal communication; Appendix C).

3.1.6.2 Waste Characteristics

Not applicable.

3.1.6.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.6.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.6.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.6.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.7 Building 1118

3.1.7.1 Description and Operational History

Building 1118 is an aircraft hangar that was constructed in 1995. It is located on the west side of the flightline south of Building 91. The geographic coordinates for Building 1118 are 38°43'19.049"N and 93°33'41.457"W. The location of Building 1118 is shown on Figures 1.1 and 3.3.

Building 1118 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead closed system discharges AFFF. The suppression system inside the hangar has not been tested with the discharge of AFFF. Building 1118 contains floor drains inside the hangars. These drains lead to the hangar's own 30,000-gallon UST. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

The fire department has documented no AFFF outside of the engineered system at Building 1118 (Blaisdell, 2015, personal communication; Appendix C).

3.1.7.2 Waste Characteristics

Not applicable.

3.1.7.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.7.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.7.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.7.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.1.8 Building 1125

3.1.8.1 Description and Operational History

Building 1125 was constructed in 1996. It is located northwest of the Former FTA (FT-02) on Arnold Avenue. It is used for on-Base refueling of aircrafts and cars, and contains three car bays. The geographic coordinates for Building 1125 are 38°43'8.743"N and 93°33'44.785"W. The location of Building 1125 is shown on Figures 1.1 and 3.3.

Building 1125 has a 600-gallon polyethylene tank containing AFFF for the fire suppression system. This overhead open system discharges AFFF. The suppression system inside the bays has not been tested with the discharge of AFFF. Building 1125 contains floor drains inside the bays. These drains lead to the building's own 30,000-gallon UST. When AFFF is discharged from the system and goes down the floor drains to the 30,000-gallon UST, the UST is then routed to the AFFF holding ponds at the WWTP (Tracy, 2015, personal communication; Appendix C). Details of the process from the AFFF holding ponds and bypassing the WWTP are in Section 3.4.3.

An accidental discharge was documented by the FAST lead in February 2015; however, the amount of AFFF discharged is unknown. The discharge was contained within the building in the floor drains (See, 2015, personal communication; Appendix C). AFFF is not discharged or released outside of the engineered system.

3.1.8.2 Waste Characteristics

Not applicable.

3.1.8.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.1.8.3.1 Groundwater Pathway and Targets

Not applicable.

3.1.8.3.2 Surface Water Pathway and Targets

Not applicable.

3.1.8.3.3 Soil Exposure and Air Pathways and Targets

Not applicable.

3.2 FIRE STATIONS

3.2.1 Former Building 39 (Former Fire Station)

3.2.1.1 Description and Operational History

The first fire station on Base was opened prior to the use of AFFF. The building was demolished in 1988 and was located where the current Building 30 is located just south of Base Operations. The geographic coordinates for Former Building 39 (Former Fire Station) are 38°43'39.352"N and 93°33'39.345"W. The location of the Former Building 39 (Former Fire Station) is shown on Figures 1.1 and 3.2.

Based on old engineering drawings, the fire department contained three crash vehicles (Whitford, 2015, personal communication; Appendix C). The Fire Chief has no documentation or information on the use or storage of AFFF at the Former Building 39 (Former Fire Station) (Blaisdell, 2015, personal communication; Appendix C).

3.2.1.2 Waste Characteristics

Not applicable.

3.2.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.2.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.2.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.2.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.2.2 Building 34 (Fire Station)

3.2.2.1 Description and Operational History

Building 34 (Fire Station) was constructed in 1988 and is currently occupied by the fire department. The fire station is located west of the flightline south of Building 27. The geographic coordinates for Building 34 are 38°43'49.860"N and 93°33'39.847"W. The location of Building 34 is shown on Figures 1.1 and 3.2.

The fire station contains four crash vehicles that carry either 210 gallons or 420 gallons of AFFF. Three additional fire engines carry 55 gallons of AFFF. Two 1,000-gallon mobile foam trailers are also housed in the fire station. Inside the fire station are floor drains that lead to a fuel/water separator. From the fuel/water separator, wastewater flows to the WWTP through the wastewater lines. The Fire Chief had no documentation or knowledge of AFFF discharges at the fire station, other than the trace amounts that are discharged from transferring AFFF from trailers to fire trucks and the rinsing of fire trucks. Most of these transfers are completed inside the fire station unless they are responding to an emergency. The Fire Chief also indicated that in his 11 years as Fire Chief on Base, he has not responded to a crash or scene and used AFFF (Blaisdell, 2015, personal communication; Appendix C).

3.2.2.2 Waste Characteristics

Not applicable.

3.2.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.2.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.2.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.2.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.3 EMERGENCY RESPONSE

3.3.1 1979 Visitor Plane Crash

3.3.1.1 Description and Operational History

In 1979, a visiting plane crashed on the runway outside of Base Operations. The geographic coordinates for the approximate crash location are 38°43'40.516"N and 93°33'34.953"W. The approximate crash location is shown on Figures 1.1 and 3.2. Other than the approximate crash location and date, the Base Historian had no additional information, including whether or not a fire actually occurred and whether or not that fire was extinguished with AFFF. Potential additional information may exist in the 351st Missile Wing histories, which no longer exist onsite at Whiteman AFB and are now located in the Archives at the Air Force Historical Research Agency. This documentation was not made available for review; therefore, no documentation or knowledge of the possible use or amount of AFFF that may have been used at the crash location is known (Easley, 2015, personal communication; Appendix C).

3.3.1.2 Waste Characteristics

Not applicable.

3.3.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.3.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.3.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.3.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.3.2 Fighter Plane Crash

3.3.2.1 Description and Operational History

Sometime between 1992 and 1994, a fighter plane crashed at the south end of the runway just north of State Route 23. The geographic coordinates for the approximate crash location are 38°42'16.482"N and 93°33'16.946"W. The approximate crash location is shown on Figures 1.1 and 3.4. There is no documentation or knowledge of the use of or amounts of AFFF at this crash location, or even if the response required fire suppression. Base personnel recall a fighter plane touching down, not getting back in the air, and crashing at the end of the runway (Tracy, 2015, personal communication; Appendix C). Another Base staffer could not recall whether it was an F-

15 or F-16 but does recall the plane being largely intact after the crash (Whitford, 2015, personal communication; Appendix C). No other information is known about the crash.

3.3.2.2 Waste Characteristics

Not applicable.

3.3.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.3.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.3.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.3.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4 OTHER

3.4.1 Building 139 (Supply Warehouse)

3.4.1.1 Description and Operational History

Building 139 (Supply Warehouse) contains the majority of the Base backup supply of AFFF. Sixty-two 55-gallon drums of 3 percent AFFF are stored within secondary containment inside Building 139. To date, there have been no reports of spills or releases of AFFF at Building 139 (Blaisdell, 2015, personal communication; Appendix C). The geographical coordinates for Building 139 are 38°44'9.077"N and 93°33'46.058"W. The location of Building 139 is shown on Figures 1.1 and 3.1.

3.4.1.2 Waste Characteristics

Not applicable.

3.4.1.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.4.1.3.1 Groundwater Pathway and Targets

Not applicable.

3.4.1.3.2 Surface Water Pathway and Targets

Not applicable.

3.4.1.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4.2 Building 26 (Aircraft Parts Store)

3.4.2.1 Description and Operational History

Building 26 (Aircraft Parts Store) contains the Base backup supply of AFFF, in addition to storage in Building 139. Thirteen 55-gallon drums of 3 percent AFFF are stored within secondary containment inside Building 26. To date, there have been no reports of spills or releases of AFFF at Building 26 (Blaisdell, 2015, personal communication; Appendix C). The geographical coordinates for Building 26 are 38°43'51.404"N and 93°33'42.482"W. The location of Building 26 is shown on Figures 1.1 and 3.2.

3.4.2.2 Waste Characteristics

Not applicable.

3.4.2.3 Pathway and Environmental Hazard Assessment

Not applicable.

3.4.2.3.1 Groundwater Pathway and Targets

Not applicable.

3.4.2.3.2 Surface Water Pathway and Targets

Not applicable.

3.4.2.3.3 Soil and Air Exposure Pathways and Targets

Not applicable.

3.4.3 AFFF Holding Ponds

3.4.3.1 Description and Operational History

Industrial wastewater from the hangars is routed through the sanitary sewer to the AFFF holding ponds at the WWTP when AFFF is present in the waste. The ponds were installed in 1997 and are located west of State Highway 23 on the north end of the WWTP. The geographical coordinates for the AFFF holding ponds are 38°43'56.411"N and 93°35'2.031"W. The locations of the AFFF holding ponds are shown on Figures 1.1 and 3.5.

3.4.3.2 Waste Characteristics

Industrial wastewater that contains AFFF from buildings on Base is routed through the industrial wastewater system to the AFFF holding ponds. The wastewater bypasses the WWTP and goes directly to the northernmost holding pond where it then slowly transfers into the southern holding pond. The holding ponds are not lined with material other than a thick clay layer. The wastewater from the AFFF holding ponds is routed back to the WWTP when the pollutants listed in the National Pollutant Discharge Elimination System (NPDES) permit are near permitted levels through natural breakdown. Once the wastewater has been treated at the plant, it is then sent to Outfall 1A for discharge.

The amount of AFFF within each industrial wastewater discharge depends on which UST is being discharged. The maximum amount is approximately 200,000 gallons of industrial wastewater containing approximately 300 gallons of AFFF. The estimated minimum amount is approximately 10,000 gallons of industrial wastewater containing about 10 to 50 gallons of AFFF.

3.4.3.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 2,200 feet hydrologically upgradient of the AFFF holding ponds. Whiteman Elementary School, located on Base, is approximately 1,700 feet hydrologically upgradient of the AFFF holding ponds.

3.4.3.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 10) is located approximately 2,250 feet hydrologically upgradient from the AFFF holding ponds (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of the AFFF holding ponds is 5,890. Several residential wells are located within a 4-mile radius of the AFFF holding ponds, with the closest at approximately 2 miles hydrologically upgradient from the AFFF holding ponds. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists for workers at the water treatment plant and workers in shallow excavations. The nearest residence is located approximately 3,700 feet to the southwest and downgradient of the AFFF holding ponds.

3.4.3.3.2 Surface Water Pathway and Targets

The surface water at the AFFF holding ponds collects within the ponds and discharges into the WWTP operations. The surrounding area slopes to the south toward Brewer Branch Creek. Surface water from the WWTP discharges at Outfall 1A into Brewer Branch Creek for approximately 2.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and present a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a freshwater pond located east and 300 feet upstream from the AFFF holding ponds.

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Brewer Branch Creek or Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

3.4.3.3.3 Soil and Air Exposure Pathways and Targets

The AFFF holding ponds are located in a no-traffic area of the Base. A freshwater pond is within 500 feet of the AFFF holding ponds and within 1 mile of residential areas. The location is frequented by WWTP Base personnel on a daily basis, which creates a potential worker exposure. The well-vegetated area would preclude any fugitive dust emissions and potential exposures. The underground utility at the AFFF holding ponds is wastewater, which presents a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present.

No schools or day care facilities are within a 200-foot radius of the AFFF holding ponds. The nearest child development center (Building 3021) is located approximately 2,200 feet to the east. Whiteman Elementary School is located approximately 1,700 feet to the northeast.

3.4.4 Outfall 1A

3.4.4.1 Description and Operational History

Outfall 1A, an NPDES outfall, is located west of State Highway 23 on the west side of the WWTP. Outfall 1A was originally an open concrete drainage ditch that ran from the testing area, approximately 430 feet north of the creek, to the creek until 2010 when it was converted into an underground closed pipe. The testing area is an open concrete-lined pit where water samples are collected to ensure the Base is meeting NPDES standards. The geographical coordinates for Outfall 1A are 38°43'41.440"N and 93°35'0.153"W. The location of Outfall 1A is shown on Figures 1.1 and 3.5.

3.4.4.2 Waste Characteristics

All treated wastewater, including AFFF from the Base, is discharged through Outfall 1A. Water samples are collected from the open concrete-lined pit approximately 430 feet north of Brewer Branch Creek. From there, the wastewater flows through an underground pipe into Brewer Branch Creek. The total amount of AFFF entering the system is unknown because it is diluted and combined with all Base wastewater.

3.4.4.3 Pathway and Environmental Hazard Assessment

A complete exposure pathway typically includes the following components: a source of contamination (an environmental medium contaminated at the source or a release mechanism by which chemicals are released from a source medium and transported), an exposure medium by which a receptor comes into contact, and a route of intake for the contaminant into the receptor's body at the exposure point. If any of these elements are missing, the pathway is incomplete. Other release mechanisms resulting in exposure media for receptors may include the uptake of soil contaminants by plants and animals and the emission of soil contaminants into the air in association with dust particles.

Database research (EDR, 2015) shows seven day care facilities and four schools within the potential migration area of 4 miles from any given potential release location of PFCs. Not included in the EDR report is one on-Base child development center (Building 3021). The child development center is located approximately 3,000 feet hydrologically upgradient of Outfall 1A. Whiteman Elementary School, located on Base, is approximately 2,900 feet hydrologically upgradient of Outfall 1A.

3.4.4.3.1 Groundwater Pathway and Targets

The shallow aquifer is contained within the top 30 to 40 feet at Whiteman AFB and is not used for drinking water due to its small yield and poor quality of water in the surficial aquifer. Only the two deepest aquifers (Cambrian and Ordovician) are tapped as a source of Base water supply (Halliburton, 1994). Drinking water on Whiteman AFB comes from eight production wells located throughout the Base. The closest drinking water well (No. 10) is located approximately 2,560 feet hydrologically upgradient from Outfall 1A (Tracy, 2015, personal communication; Appendix C).

The estimated population within 4 miles of Outfall 1A is 5,890. Several residential wells are located within a 4-mile radius of Outfall 1A, with the closest at approximately 1.9 miles hydrologically upgradient from Outfall 1A. However, this well was abandoned in May 2015 when the property was purchased by the Base. Because of the presence of drinking water supply wells on Base, there is a potential ingestion exposure to groundwater. A potential for dermal contact of the groundwater also exists to workers at the water treatment plant and workers in shallow excavations. The nearest residence is located approximately 3,800 feet to the southwest and downgradient of Outfall 1A.

3.4.4.3.2 Surface Water Pathway and Targets

The surface water at Outfall 1A collects within the open concrete pit and discharges into Brewer Branch Creek. The surrounding area slopes to the south toward Brewer Branch Creek. Surface water from Outfall 1A discharges into Brewer Branch Creek for approximately 2.9 miles where it flows into Clear Fork Blackwater River. Brewer Branch Creek and Clear Fork Blackwater River are commonly used for recreational fishing and present a potential for human dermal contact and ingestion and potential ingestion contact by ecological receptors.

The location is outside of a 100-year flood zone (EDR, 2015). The nearest body of water is a freshwater pond located southeast and 920 feet upstream from Outfall 1A.

No surface water intakes, downstream fisheries, or sensitive environments are adjacent to the surface water migration path within 15 miles downstream of the location; however, several wetlands may be present (EDR, 2015; USFWS, 2015a; USFWS, 2015b). No downstream fish hatcheries are located on Brewer Branch Creek or Clear Fork Blackwater River (USFWS, 2015a). The nearest critical habitat (Niangua darter) is approximately 76 miles to the southeast of Whiteman AFB (USFWS, 2015b).

3.4.4.3.3 Soil and Air Exposure Pathways and Targets

Outfall 1A is located in a no-traffic area of the Base. A freshwater pond is within 1,000 feet of Outfall 1A and within 1 mile of residential areas. The location is frequented by WWTP Base personnel on a daily basis, which creates a potential worker exposure. The well-vegetated area would preclude any fugitive dust emissions and potential exposures. The underground utilities at Outfall 1A are stormwater and wastewater, which present a potential dermal exposure to workers in shallow excavations. The potential of exposure to burrowing animals would be present.

No schools or day care facilities are within a 200-foot radius of the AFFF holding ponds. The nearest child development center (Building 3021) is located approximately 3,000 feet to the northeast. Whiteman Elementary School is located approximately 2,900 feet to the northeast.

FIGURES

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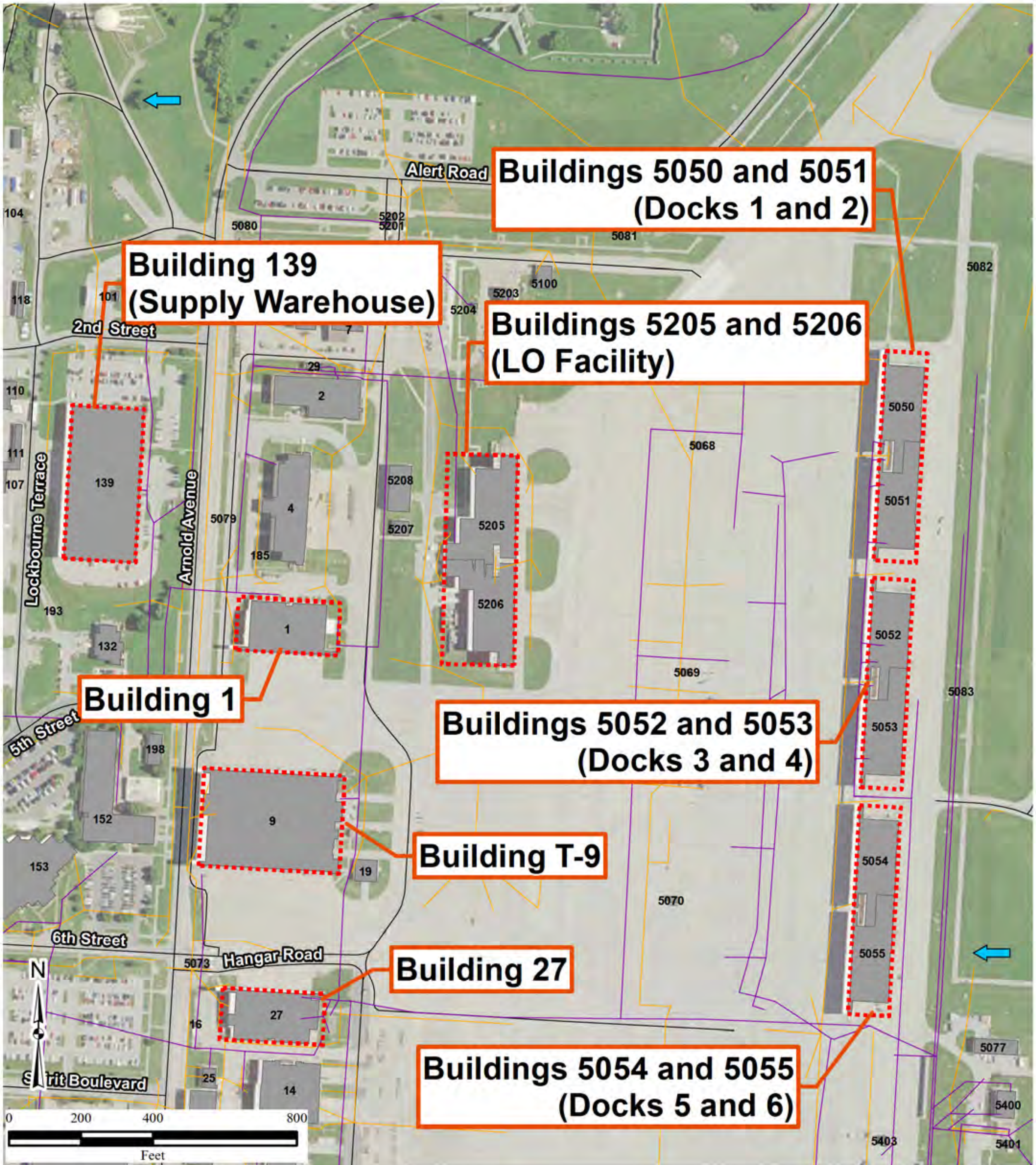

Note:
LO = Low Observable

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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9/30/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Approximate Location
- Building

Figure 3.1
Locations of Buildings on the North End of the Flightline at Whiteman AFB, Missouri

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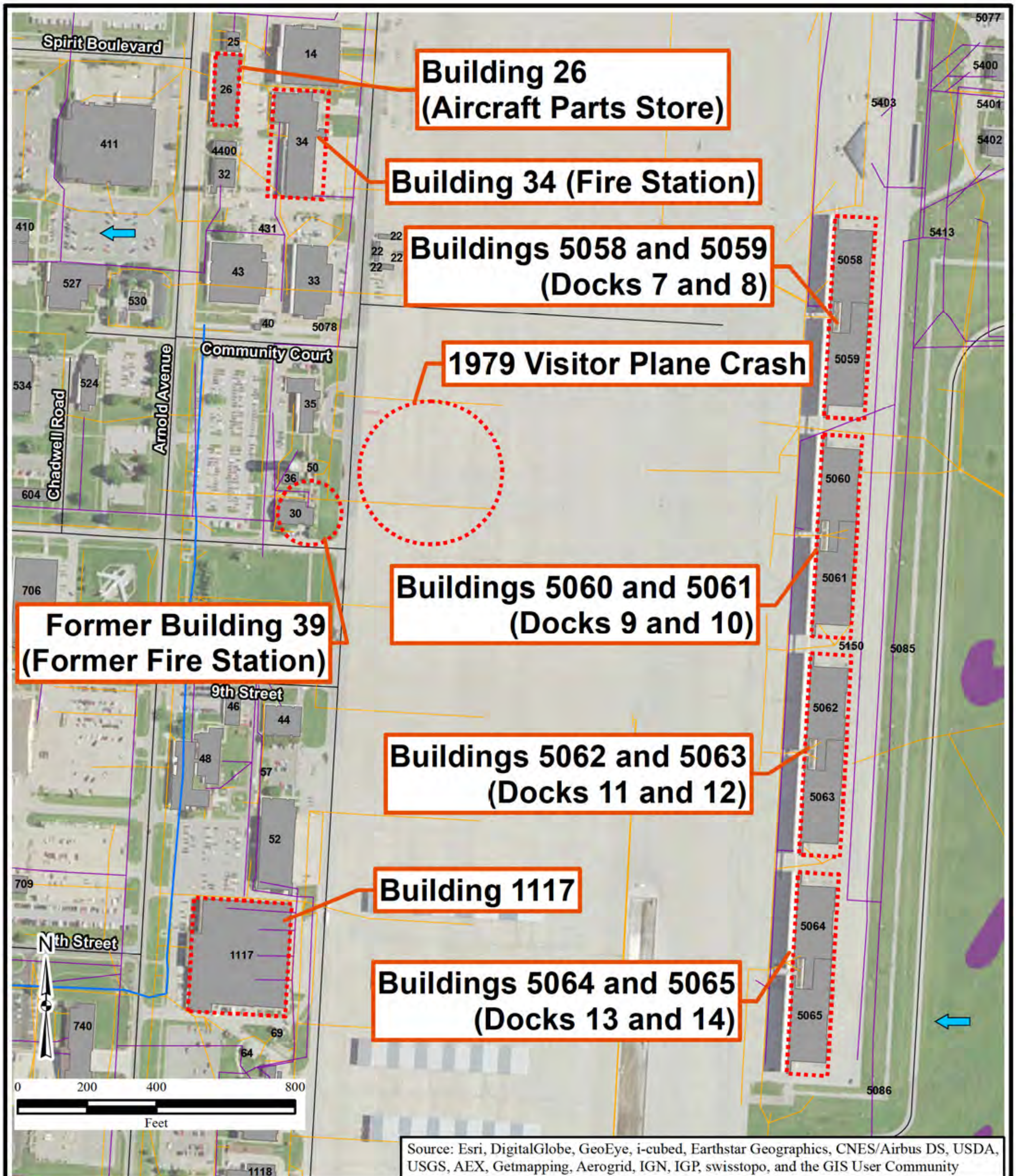

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9/21/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Building
- Freshwater Emergent Wetland

Figure 3.2
Locations of Buildings in the Central Part of the Flightline at Whiteman AFB, Missouri

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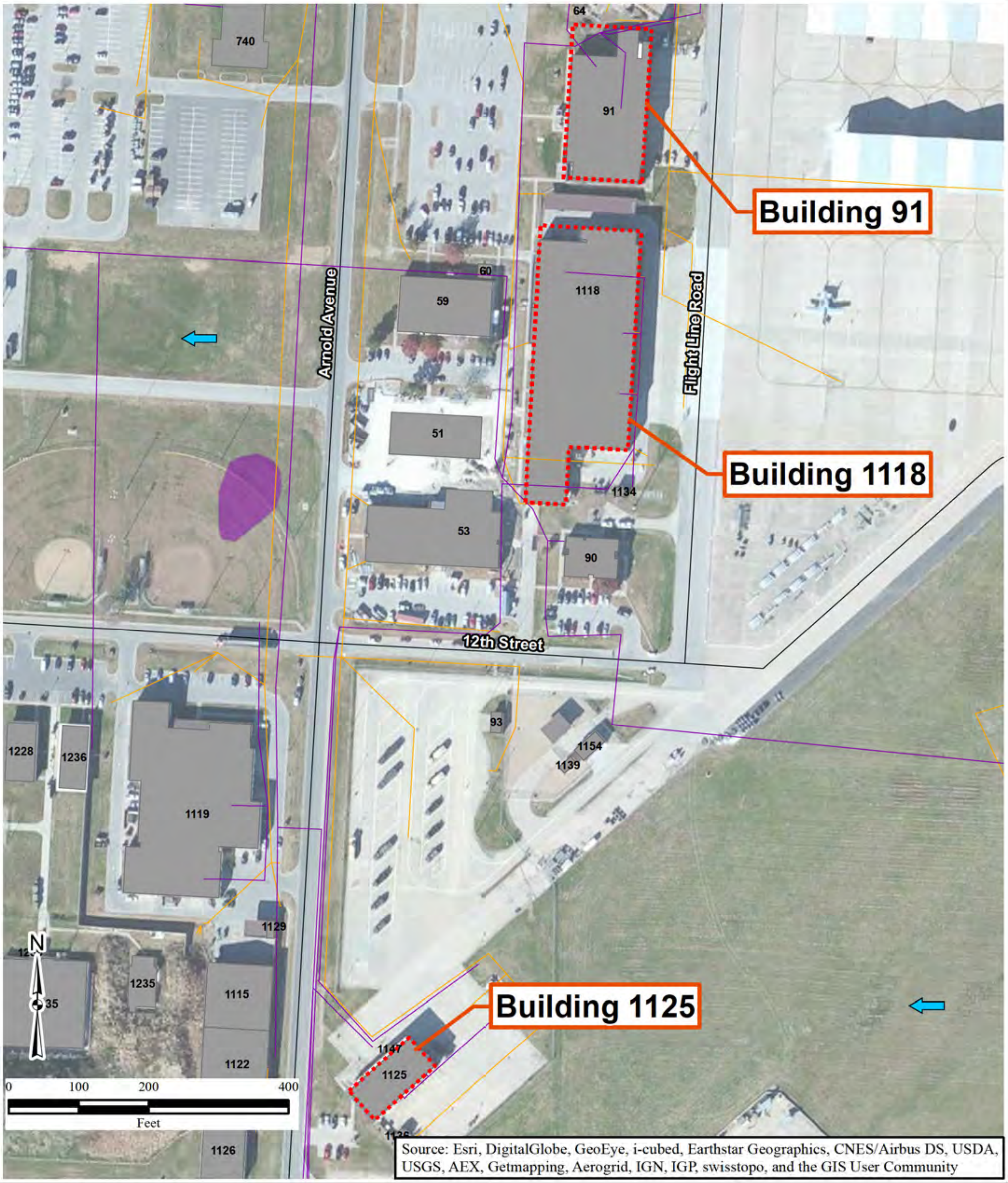

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6/27/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Approximate Location
- Building
- Freshwater Emergent Wetland

Figure 3.3
Locations of Buildings on the South End of the Flightline at Whiteman AFB, Missouri

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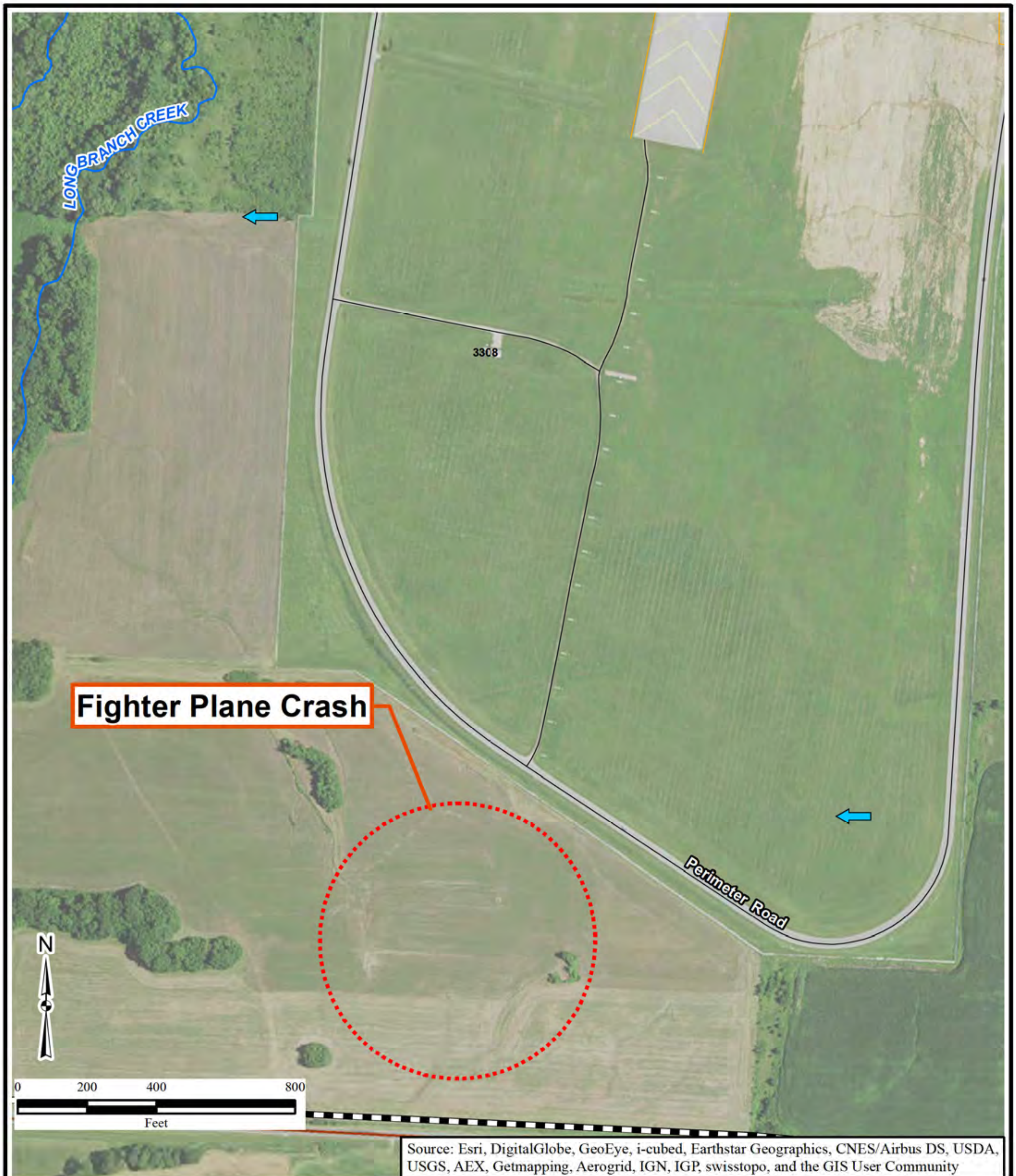

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9/21/2015 SA

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Installation Boundary
- Building

Figure 3.4
Location of Fighter Plane Crash at Whiteman AFB, Missouri

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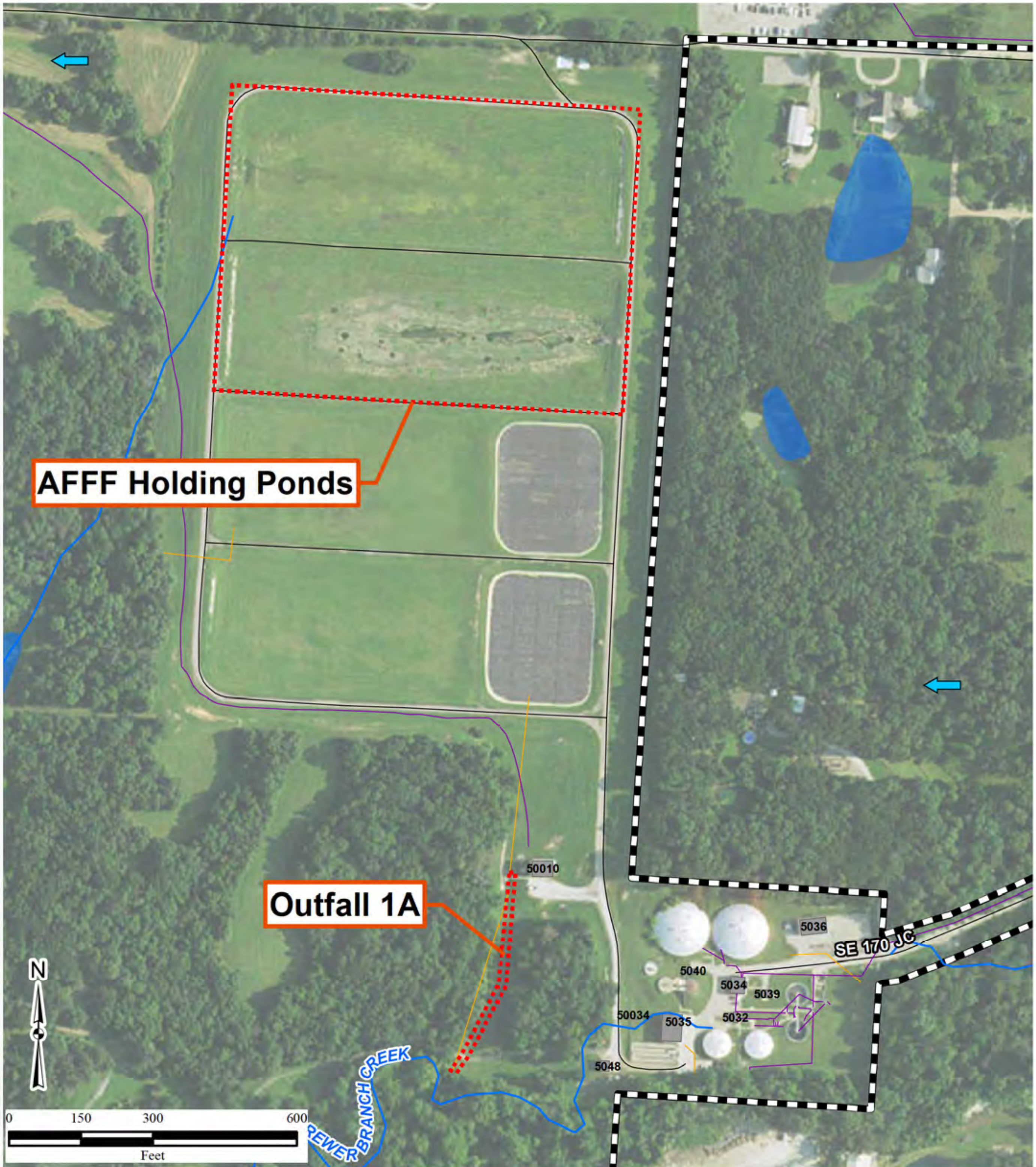

Note:
AFFF = aqueous film-forming foam

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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9/29/2015 SA
Source: Wetland, National Wetlands Inventory - Wetland Polygons, Published September 2012, U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation, Washington, D.C. http://www.fws.gov/wetlands/

CH2MHILL.

Legend

- Approximate Groundwater Flow
- Wastewater Line
- Storm Sewer Line
- Road
- Stream
- Approximate Location
- Installation Boundary
- Building
- Freshwater Pond

Figure 3.5
Locations of AFFF Holding Ponds and Outfall 1A at Whiteman AFB, Missouri

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4.0 SUMMARY AND CONCLUSIONS

The sections below summarize the findings of the PA for AFFF on Whiteman AFB and provide conclusions based on those findings.

4.1 SUMMARY

4.1.1 Fire Training Areas

4.1.1.1 Fire Protection Training Areas Operational After 1970

Former FTA (FT-02) was used after 1970 and could contain PFOA- and PFOS-impacted media. Former FTA (FT-16) was an active FTA, but there is no information about the location. However, based on the historical use of AFFF at former FTAs, it is possible that the locations could contain PFOA- and PFOS-impacted media.

4.1.1.2 Current Fire Training Areas

The current FTA was constructed with a berm and an HDPE liner and uses propane as a fuel source. Below the pit is a piping system that collects all runoff and discharges to the adjacent retention basin to the west. Water and AFFF have been used at this location as extinguishing agents. AFFF use has been limited to the fire training pit. Nozzle spray testing is conducted within the HDPE-lined area. AFFF use has been contained and has not impacted surrounding media.

4.1.2 Non-Fire Training Areas

4.1.2.1 Hangars

Twenty-three hangars (Buildings 1, T-9, 27, 91, 1117, 1118, 1125, 5050, 5051, 5052, 5053, 5054, 5055, 5058, 5059, 5060, 5061, 5062, 5063, 5064, 5065, 5205, and 5206) currently have AFFF fire suppression systems that have floor drains leading to an assigned UST. All hangars, except Buildings 1, T-9, 27, 91, 1117, and 1118, have had system activations at some time in the past, and the AFFF was either collected and returned to the system or contained in the floor drains. Based on the engineered containment of AFFF system discharges, these hangars have a low likelihood of impacted media.

4.1.2.2 Fire Stations

Former Building 39 (Former Fire Station) housed three fire engines, but it is not known whether they contained AFFF. Building 34 (Fire Station) houses seven fire engines that contain AFFF. Inside the fire station are floor drains that lead to a fuel/water separator. Fire truck refilling takes place within the fire stations except during emergencies. AFFF stays within the engineered systems, and media are not impacted.

4.1.2.3 Emergency Response

Little information exists about the use of AFFF for the two plane crashes. Based on the interviews conducted, it is unlikely that media are impacted.

4.1.2.4 <u>Other</u>

Other identified areas include Building 139 (Supply Warehouse) and Building 26 (Aircraft Parts Store), where AFFF is stored in 55-gallon drums. No reports of spills or releases have been documented at these buildings.

The unlined AFFF holding ponds and Outfall 1A have received AFFF from the Base through the wastewater lines. It is likely media are impacted with PFCs.

4.2 CONCLUSIONS

Table 4.1 summarizes the findings from this PA Report and presents possible future location management decisions. The identified locations are categorized by group as follows:

- Group 1 – High mass of AFFF released and probability of groundwater contamination.
- Group 2 – Unknown mass or medium mass of AFFF released.
- Group 3 – Low mass of AFFF released.
- Group 4 – No AFFF released.

Based on the group designation and rationale for each location, recommendations are provided in Table 4.1. In accordance with the USEPA CERCLA Preliminary Assessment and Site Inspection (SI) guidance documents (USEPA, 1991; USEPA, 1992), each identified location is recommended for one of the following actions: Implement removal action due to imminent threat; Close out due to no release; Initiate a Remedial Investigation (RI); or Initiate an SI.

- Removal actions, as defined in CERCLA Section 104, are actions taken to eliminate, control, or otherwise mitigate a threat posed to public health or the environment due to a release or threatened release of hazardous substances (USEPA, 1991).
- Close out or no further remedial action planned is defined as a location disposition decision that further response under the federal Superfund is not necessary (USEPA, 1991).
- RI is defined as a field investigation to characterize the nature and extent of contamination at a location. The RI supports development, evaluation, and selection of the appropriate response alternative (USEPA, 1991).
- SI is defined as an investigation to collect and analyze waste and environmental samples to support an evaluation (USEPA, 1992).

Table 4.1
Preliminary Assessment Report Summary and Findings
Whiteman AFB, Missouri

Locations	Group	Rationale	Recommendations
Former FTA (FT-02)	Group 2	• Containment unknown. • Unknown amounts of AFFF released. • Potential for soil and groundwater contamination with PFCs. • Potential worker dermal contact with contaminated shallow groundwater. • Potential worker contact with contaminated soil.	Initiate SI.
Former FTA (FT-16)	Group 2	• Containment unknown. • Unknown amounts of AFFF released. • Potential for soil and groundwater contamination with PFCs. • Potential worker dermal contact with contaminated shallow groundwater. • Potential worker contact with contaminated soil.	Initiate SI.
Current FTA	Group 4	• AFFF used as extinguishing agent. • Containment of AFFF through closed system and lined training areas.	Close out with no additional investigation.
Buildings 5050-5055 and 5058-5065 (Docks 1-14), Buildings 5205 and 5206 (LO Facility)	Group 4	• AFFF used at each location. • Floor drains collect liquid discharges including AFFF that are conveyed to UST and then to AFFF holding ponds at the WWTP.	Close out with no additional investigation.
Buildings 1, 27, T-9, 91, 1117, 1118, and 1125	Group 4	• AFFF used at each location. • Floor drains collect liquid discharges including AFFF that are conveyed to UST and then to AFFF holding ponds at the WWTP.	Close out with no additional investigation.
Former Building 39 (Former Fire Station)	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.
Building 34 (Fire Station)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Floor drains collect liquid discharges including AFFF and are conveyed to fuel/water separator then to WWTP.	Close out with no additional investigation.
1979 Visitor Plane Crash	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.
Fighter Plane Crash	Group 4	• No documentation or knowledge of AFFF usage.	Close out with no additional investigation.

Table 4.1
Preliminary Assessment Report Summary and Findings
Whiteman AFB, Missouri

Locations	Group	Rationale	Recommendations
Building 139 (Supply Warehouse)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Building serves as secondary containment to control spills.	Close out with no additional investigation.
Building 26 (Aircraft Parts Store)	Group 4	• Storage of AFFF. • No reported spills/releases of AFFF. • Building serves as secondary containment to control spills.	Close out with no additional investigation.
AFFF Holding Ponds	Group 3	• Surface water discharge ponds for AFFF discharges from 23 hangars on Base. • Potential groundwater contamination. • Potential worker dermal contact with contaminated shallow groundwater.	Initiate SI.
Outfall 1A	Group 3	• The only surface water discharge location from WWTP.	Initiate SI.

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APPENDIX A

PHOTO DOCUMENTATION

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PHOTOGRAPH LOG

Team: S. Aselage	Date: 9-8-15 AND 9-9-15
Project Number: 495516.03.62.01	Observation Period: Start: 9/8/15 Stop: 9/9/15
Weather: 9/8 - rainy, cloudy, 80s 9/9 - sunny/80s	

Photo No.	Time	View Direction	1A Location/Description
1	1346	S	outfall ~~oot~~ into stream (unnamed tributary)
2	1348	~~NE~~ NW	AFFF Settling pond (North)
3	1348	SW	" " (South)
4	1351	W	outfall 1A @ sampling point
5	1449	SW	Former FT-16
6	1450	NW	" "
7	1452	N	Former FT-02
8	1507	—	Back-up supply in Supply Warehouse (Bldg 139)
9	0942	E	Current FTA training pit
10	0942	W	Current FTA Retention Pond
11	1057	—	Fire Suppression System ceiling in Docks 1-14
12	1058	—	" " " floor " "
13	1058	—	Valve Pit inside Docks 1-14
14	1059	—	Floor nozzle close-up in Docks 1-14
15	1101	—	Mechanical Room in Docks 1-14
16	1101	—	AFFF tank in Docks 1-14
17	1326	—	1,000 gallon AFFF mobile trailer @ Fire Dept.
18	1326	—	Floor drains inside Fire Station
19	1327	—	Fire Engine containing AFFF
20	1327	—	Crash fire engine containing AFFF
21	1331	—	Back-up supply in Aircraft Parts Store (Bldg 26)
22	1331	—	Label of AFFF in Bldg. 26
23	1353	—	AFFF tank @ Building 1
24	1412	—	Cannon inside Bldg T-9
25	1413	—	AFFF tank inside Bldg. T-9
26	1423	—	AFFF tank inside LO Facility
27	1424	—	Label of AFFF inside LO Facility
28	1433	—	AFFF tank inside Bldg. 1125
29	1435	—	Fire Suppression System inside Bldg. 1125
30	1435	—	Floor Drains inside Bldg. 1125
31	1439	—	AFFF tank inside 1118 building
32	1443	—	AFFF tank inside Bldg. 91
33	1444	—	AFFF tank + pump system inside Bldg. 91
34	1445	—	Floor drains inside Bldg. 91
35	1445	—	Fire suppression system inside Bldg 91
36	1448	—	AFFF tank + pump system inside Bldg. 1117

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Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

Photo 7

Photo 8

Photo 9

Photo 10

Photo 11

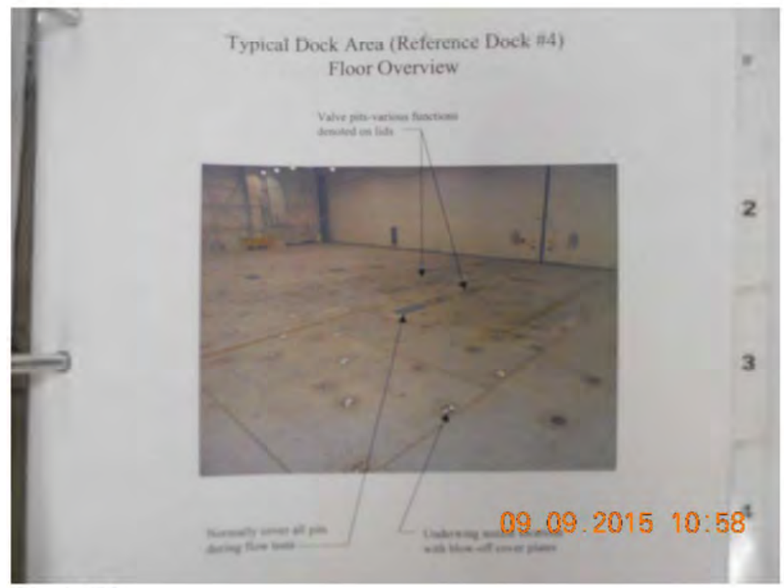

Photo 12

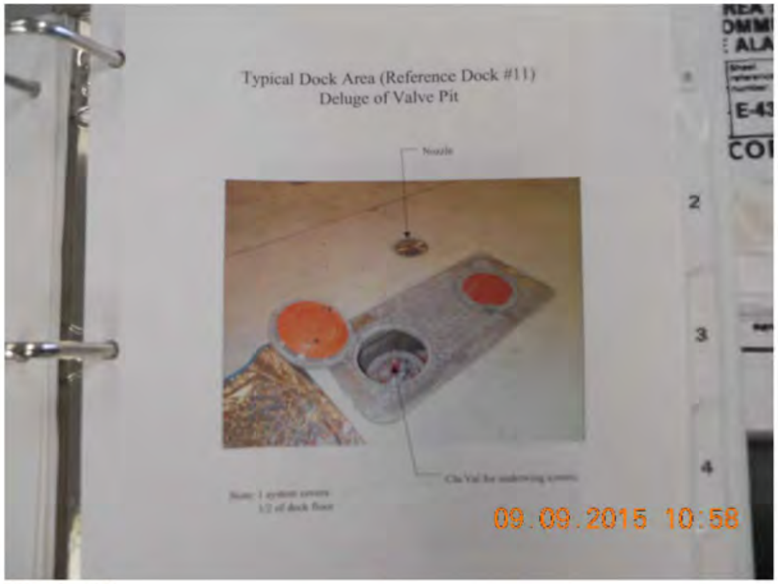

Photo 13

Photo 14

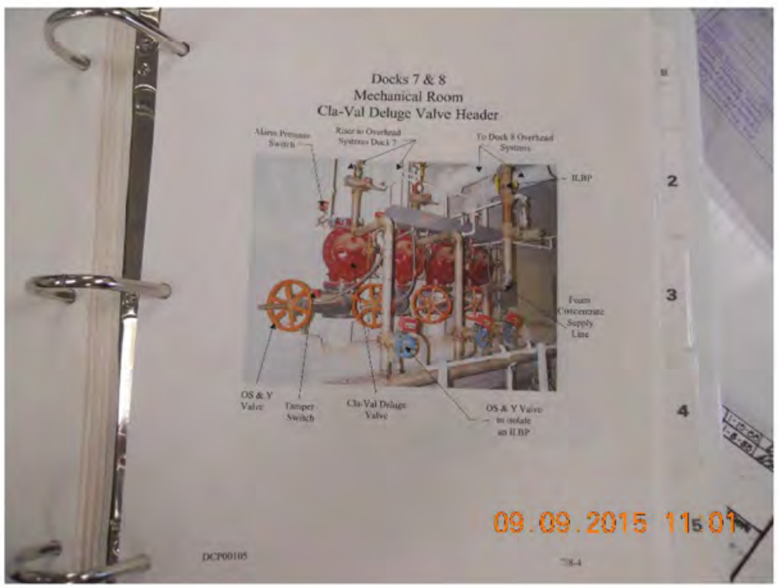

Photo 15

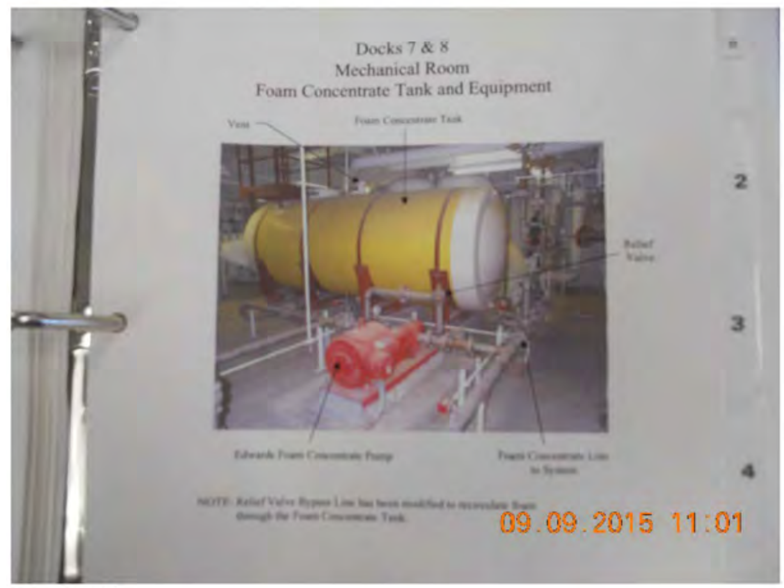

Photo 16

Photo 17

Photo 18

Photo 19

Photo 20

Photo 21

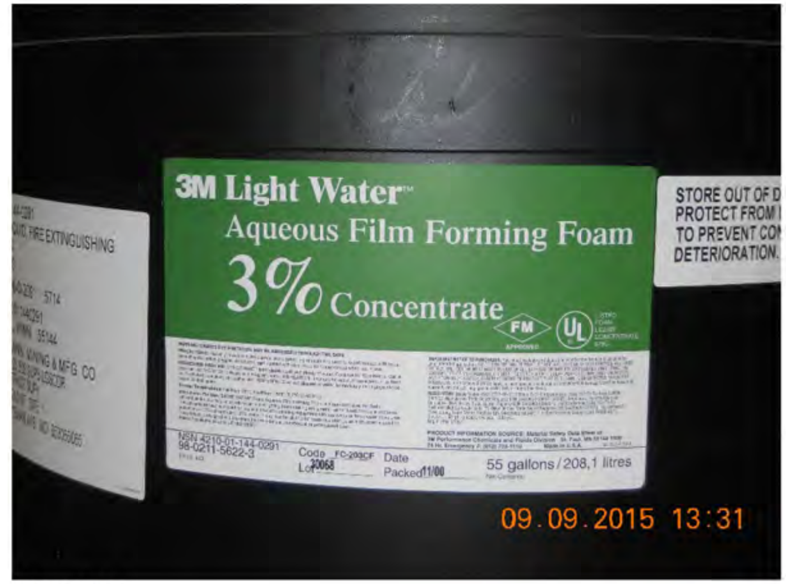

Photo 22

Photo 23

Photo 24

Photo 25

Photo 26

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Photo 30

Photo 31

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Photo 33

Photo 34

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Photo 36

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APPENDIX B

FIELD DOCUMENTATION

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APPENDIX B.1

POTENTIAL HAZARDOUS WASTE SITE FORMS

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Potential Hazardous Waste Site Preliminary Assessment Form	*Identification*	
	State: MO	CERCLIS #:
	CERCLIS Discovery Date:	

1. General Site Information

Name: Whiteman AFB		Street Address:				
City: Knob Noster		State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:
Latitude: 38°43' 4.100"N	Longitude: 93°33'40.469"W	Approximate Area of Site: ~11 Acres; ____ Square Ft		Status of Site: ☒ Active ☐ Inactive ☐ Not Specified ☐ NA (GW plume, etc.)		

Site Name: Former FTA (FT-02)

Site Description:

Former fire training area FT-02

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: MO	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:
Type of Ownership: ☐ Private ☒ Federal Agency Name: AFB ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____			Type of Ownership: ☐ Private ☐ Federal Agency Name:____ ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____		

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage	Agency/Organization: CH2M HILL		Date Prepared:
Street Address: 400 E-Business Way		City: Cincinnati	State: OH
Name of EPA or State Agency Contact:		Street Address:	
City:	State:	Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation:	CERCLIS Recommendation:	Signature:
☐ Yes ☐ No	☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ____	Name (typed):
Date: ____	Date: ____	Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [x] Residential
- [x] Forest/Fields
- [x] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [x] Other Federal Facility: AFP
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [x] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other______

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Dum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil		
[ ] Other______	______	___
[ ] No Sources	______	___

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [x] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:

☒ Yes
☐ No

If Yes, Distance to nearest Drinking Well: 160 Feet

Type of Drinking Water Wells Within 4 Miles (check all that apply):

☒ Municipal
☒ Private
☐ None

Depth to Shallowest Aquifer: ______ Feet

Karst Terrain/Aquifer Present:

☐ Yes
☐ No

Is There a Suspected Release to Ground Water[1]:

☒ Yes
☐ No

Have Primary Target Drinking Water Wells Been Identified:

☐ Yes
☒ No

If Yes, Enter Primary Target Population: ______ People[3]

Nearest Designated Wellhead Protection Area[5]:

☐ Underlies Site
☐ >0-4 Miles
☐ None Within 4 Miles

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile	______
>1/4 - 1/2 Mile	______
>1/2 - 1 Mile	______
>1 - 2 Mile	______
>2 - 3 Mile	______
>3 - 4 Mile	______
Total Within 4 Miles[4]	______

[4]Use population #s for PA Table 2
[5]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):

☒ Stream ☒ River ☐ Pond ☐ Lake
☐ Bay ☐ Ocean ☐ Other______

Shortest Overland Distance From Any Source to Surface Water:

______ Feet
______ Miles

Is There a Suspected Release to Surface Water[1]:

☒ Yes
☐ No

Site is Located in:

☐ Annual - 10 yr Floodplain
☐ >10yr - 100yr Floodplain
☐ >100yr - 500yr Floodplain
☒ >500yr Floodplain

Drinking Water Intake Located Along the Surface Water Migration Path:

☐ Yes
☐ No

Have Primary Target Drinking Water Intakes Been Identified:

☐ Yes
☒ No

If Yes, Distance to Nearest Drinking Water Intake : ______ Miles[6]

If Yes, Enter Population Served by Target Intake:

______ People[4]

List All Secondary Target Drinking Water Intakes:

Name:	Water Body:	Flow (cfs):	Population Served:

Total within 15 Miles [4] ______

Fisheries Located Along the Surface Water Migration Path:

☐ Yes ☒ No

If Yes, Distance to Nearest Fishery: ______ Miles

Have Primary Target Fisheries Been Identified:

☐ Yes ☒ No

List All Secondary Target Fisheries[10]:

Water Body/ Fishery Name :	Flow (cfs):

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☒ Yes
☐ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

☐ Yes
☒ No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, Enter Total Residential Population:

________ People[2]

Number of Workers Onsite[4]:

☐ None
☐ 1 - 100
☒ 101 - 1,000
☐ > 1,000

Population Within 1 Mile:

________ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, List Each Terrestrial Sensitive Environment[5]:

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

☒ Yes
☐ No

Enter Total Population on or Within:

Onsite	
0-1/4 Mile	
>1/4-1/2 Mile	
>1/2-1 Mile	
>1-2 Miles	
>2-3 Miles	
>3-4 Miles	
Total Within 4 Miles[3-5]	

Wetlands Located Within 4 Miles of the Site[6]:

☒ Yes
☐ No

If Yes, How Many Acres: ________ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within 1/2 Mile of the Site[4]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	wetland
>1/4-1/2 Mile	pond /wetland

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: Whiteman AFB	Street Address:				
City: Knob Noster	State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:
Latitude: 38°42'36.359"N	Longitude: 93°33'55.695"W	Approximate Area of Site: ~1 Acres; ____ Square Ft	Status of Site: ☒ Active ☐ Inactive ☐ Not Specified ☐ NA (GW plume, etc.)		

Site Name: Former FTA (FT-16)

Site Description:

Former fire training area FT-16

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: MO	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:
Type of Ownership: ☐ Private ☒ Federal Agency Name: AFB/Army ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____			Type of Ownership: ☐ Private ☐ Federal Agency Name: ____ ☐ State ☐ Indian ☐ County ☐ Municipal ☐ Not Specified ☐ Other____		

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage	Agency/Organization: CH2M HILL	Date Prepared:
Street Address: 400 E-Business Way	City: Cincinnati	State: OH
Name of EPA or State Agency Contact:	Street Address:	
City:	State:	Telephone:

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation: ☐ Yes ☐ No Date: ____	CERCLIS Recommendation: ☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ____ Date: ____	Signature:
		Name (typed):
		Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- ☐ Industrial
- ☐ Commercial
- ☒ Residential
- ☒ Forest/Fields
- ☒ Agriculture
- ☐ Mining
- ☐ DOD
- ☐ DOE
- ☐ DOI
- ☒ Other Federal Facility: AFB
- ☐ Other ______

Site Setting:

- ☐ Urban
- ☐ Suburban
- ☒ Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- ☐ Unknown

Type of Site Operations (check all that apply):

- ☐ Manufacturing (must check subcategory)
  - ☐ Lumber and Wood Products
  - ☐ Inorganic Chemicals
  - ☐ Plastic and/or Rubber Products
  - ☐ Paints, Varnishes
  - ☐ Industrial Organic Chemicals
  - ☐ Agricultural Chemicals
  - ☐ Miscellaneous Chemical Products
  - ☐ Primary Metals
  - ☐ Metal Coating, Plating, Engraving
  - ☐ Metal Forging, Stamping
  - ☐ Fabricated Structural Metal Products
  - ☐ Electronic Equipment
  - ☐ Other Manufacturing
- ☐ Mining
  - ☐ Metals
  - ☐ Coal
  - ☐ Oil and Gas
  - ☐ Non-metallic Minerals
- ☐ Retail
- ☐ Recycling
- ☐ Junk/Salvage Yard
- ☐ Municipal Landfill
- ☐ Other Landfill
- ☐ DOD
- ☐ DOE
- ☐ DOI
- ☐ Other Federal Facility ______
- ☐ RCRA
  - ☐ Treatment, Storage, or Disposal
  - ☐ Large Quantity Generator
  - ☐ Small Quantity Generator
  - ☐ Subtitle D
    - ☐ Municipal
    - ☐ Industrial
  - ☐ "Converter"
  - ☐ "Protective Filer"
  - ☐ "Non-or Late Filer"
- ☐ Note Specified
- ☐ Other ______

Waste Generated:

- ☒ Onsite
- ☐ Offsite
- ☐ Onsite and Offsite

Waste Deposition Authorized By:

- ☒ Present Owner
- ☐ Former Owner
- ☐ Present & Former Owner
- ☐ Unauthorized
- ☐ Unknown

Waste Accessible to the Public:

- ☐ Yes
- ☒ No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
☐ Landfill	______	___
☐ Surface Impoundment	______	___
☐ Drums	______	___
☐ Tanks and Non-Dum Containers	______	___
☐ Chemical Waste Pile	______	___
☐ Scrap Metal or Junk Pile	______	___
☐ Tailings Pile	______	___
☐ Trash Pile (open drum)	______	___
☐ Land Treatment	______	___
☐ Contaminated GW Plume (unidentified source)	______	___
☐ Contaminated SW/Sediment (unidentified source)	______	___
☐ Contaminated Soil	______	___
☐ Other______	______	___
☐ No Sources		

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- ☐ Metals
- ☐ Organics
- ☐ Inorganics
- ☐ Solvents
- ☐ Paints/Pigments
- ☐ Laboratory/Hospital Waste
- ☐ Radioactive Waste
- ☐ Construction/Demolition Waste
- ☐ Pesticides/Herbicides
- ☐ Acids/Bases
- ☐ Oily Waste
- ☐ Municipal Waste
- ☐ Mining Waste
- ☐ Explosives
- ☐ Other ______

Physical State of Waste as Deposited (check all that apply):

- ☐ Solid
- ☐ Sludge
- ☐ Powder
- ☐ Liquid
- ☐ Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:	Is There a Suspected Release to Ground Water[1]:	List Secondary Target Population Served by Ground Water Withdrawn From:
☒ Yes ☐ No If Yes, Distance to nearest Drinking Well: 690 Feet Type of Drinking Water Wells Within 4 Miles (check all that apply): ☒ Municipal ☒ Private ☐ None	☒ Yes ☐ No Have Primary Target Drinking Water Wells Been Identified: ☐ Yes ☒ No If Yes, Enter Primary Target Population: ______ People[3]	0 - 1/4 Mile ______ >1/4 - 1/2 Mile ______ >1/2 - 1 Mile ______ >1 - 2 Mile ______ >2 - 3 Mile ______ >3 - 4 Mile ______ Total Within 4 Miles[4] ______
Depth to Shallowest Aquifer: ______ Feet Karst Terrain/Aquifer Present: ☐ Yes ☐ No	Nearest Designated Wellhead Protection Area[6]: ☐ Underlies Site ☐ >0-4 Miles ☐ None Within 4 Miles	[4]Use population #s for PA Table 2 [5]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):	Shortest Overland Distance From Any Source to Surface Water:
☒ Stream ☒ River ☐ Pond ☐ Lake ☐ Bay ☐ Ocean ☐ Other______	______ Feet ______ Miles
Is There a Suspected Release to Surface Water[1]: ☒ Yes ☐ No	Site is Located in: ☐ Annual - 10 yr Floodplain ☐ >10yr - 100yr Floodplain ☐ >100yr - 500yr Floodplain ☒ >500yr Floodplain
Drinking Water Intake Located Along the Surface Water Migration Path: ☐ Yes ☐ No Have Primary Target Drinking Water Intakes Been Identified: ☐ Yes ☒ No If Yes, Distance to Nearest Drinking Water Intake: ______ Miles[8] If Yes, Enter Population Served by Target Intake: ______ People[4]	List All Secondary Target Drinking Water Intakes: Name: Water Body: Flow (cfs): Population Served: ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ Total within 15 Miles[4] ______
Fisheries Located Along the Surface Water Migration Path: ☐ Yes ☒ No If Yes, Distance to Nearest Fishery: ______ Miles Have Primary Target Fisheries Been Identified: ☐ Yes ☒ No	List All Secondary Target Fisheries[10]: Water Body/Fishery Name: Flow (cfs): ______ ______ ______ ______ ______ ______ ______ ______

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

- [x] Yes
- [ ] No

Have Primary Target Wetlands Been Identified:

- [ ] Yes
- [x] No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

- [ ] Yes
- [x] No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, Enter Total Residential Population:

________ People[2]

Number of Workers Onsite[4]:

- [ ] None
- [ ] 1 - 100
- [x] 101 - 1,000
- [ ] > 1,000

Population Within 1 Mile:

________ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, List Each Terrestrial Sensitive Environment[5]:

____

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

- [ ] Yes
- [x] No

Enter Total Population on or Within:

Onsite	________
0-1/4 Mile	________
>1/4-1/2 Mile	________
>1/2-1 Mile	________
>1-2 Miles	________
>2-3 Miles	________
>3-4 Miles	________
Total Within 4 Miles [3-5]	________

Wetlands Located Within 4 Miles of the Site[6]:

- [x] Yes
- [ ] No

If Yes, How Many Acres: ________ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

- [ ] Yes
- [x] No

List All Sensitive Environments Within 1/2 Mile of the Site[8]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	ponds/wetlands
>1/4-1/2 Mile	ponds/wetlands

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: SA ~~AFFF~~ Whiteman AFB	Street Address:				
City: Knob Noster	State: Mo	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:
Latitude: 38°43'56.411"N	Longitude: 93°35'2.031"W	Approximate Area of Site: ~12 Acres; ______ Square Ft	Status of Site: ☒ Active ☐ Inactive ☐ Not Specified ☐ NA (GW plume, etc.)		

Site Name: AFFF Holding Ponds

Site Description:
Retention Ponds @ WWTP designed to capture AFFF wastewater from Hangars on Base.

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: Mo	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:

Type of Ownership (Owner):
- ☐ Private
- ☒ Federal Agency Name: AFB
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other______

Type of Ownership (Operator):
- ☐ Private
- ☐ Federal Agency Name: ______
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other______

3. Site Evaluator Information

Name of Evaluator: Stephanie Aselage	Agency/Organization: CH2M HILL		Date Prepared:
Street Address: 400 E-Business Way, ~~Suite 400~~ SA	City: Cincinnati		State: OH
Name of EPA or State Agency Contact:	Street Address:		
City:	State:	Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation: ☐ Yes ☐ No Date: ______	CERCLIS Recommendation: ☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ______ Date: ______	Signature:
		Name (typed):
		Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [x] Residential
- [x] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [x] Other Federal Facility: AF-B
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [x] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other______

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Dum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil	______	___
[ ] Other______	______	___
[ ] No Sources		

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [x] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:	Is There a Suspected Release to Ground Water[1]:	List Secondary Target Population Served by Ground Water Withdrawn From:
[X] Yes [ ] No If Yes, Distance to nearest Drinking Well: 2,250 Feet Type of Drinking Water Wells Within 4 Miles (check all that apply): [X] Municipal [X] Private [ ] None	[X] Yes [ ] No **Have Primary Target Drinking Water Wells Been Identified:** [ ] Yes [X] No If Yes, Enter Primary Target Population: ______ People[3]	0 - 1/4 Mile ______ >1/4 - 1/2 Mile ______ >1/2 - 1 Mile ______ >1 - 2 Mile ______ >2 - 3 Mile ______ >3 - 4 Mile ______ Total Within 4 Miles[4] ______
Depth to Shallowest Aquifer: ______ Feet Karst Terrain/Aquifer Present: [ ] Yes [ ] No	Nearest Designated Wellhead Protection Area[6]: [ ] Underlies Site [ ] >0-4 Miles [ ] None Within 4 Miles	[4]Use population #s for PA Table 2 [6]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):	Shortest Overland Distance From Any Source to Surface Water:
[X] Stream [X] River [ ] Pond [ ] Lake [ ] Bay [ ] Ocean [ ] Other______	______ Feet ______ Miles
Is There a Suspected Release to Surface Water[1]: [X] Yes [ ] No	Site is Located In: [ ] Annual - 10 yr Floodplain [ ] >10yr - 100yr Floodplain [ ] >100yr - 500yr Floodplain [X] >500yr Floodplain
Drinking Water Intake Located Along the Surface Water Migration Path: [ ] Yes [X] No Have Primary Target Drinking Water Intakes Been Identified: [ ] Yes [X] No If Yes, Distance to Nearest Drinking Water Intake : ______ Miles[9] If Yes, Enter Population Served by Target Intake: ______ People[4]	List All Secondary Target Drinking Water Intakes: Name: Water Body: Flow (cfs): Population Served: ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ Total within 15 Miles[4] ______
Fisheries Located Along the Surface Water Migration Path: [ ] Yes [X] No If Yes, Distance to Nearest Fishery: ______ Miles Have Primary Target Fisheries Been Identified: [ ] Yes [X] No	List All Secondary Target Fisheries[10]: Water Body/ Fishery Name: Flow (cfs): ______ ______ ______ ______ ______ ______ ______ ______

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

- [x] Yes
- [ ] No

Have Primary Target Wetlands Been Identified:

- [ ] Yes
- [x] No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Sensitive Environment: ______ Miles

Have Primary Target Sensitive Environments Been Identified:

- [ ] Yes
- [x] No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, Enter Total Residential Population:

______ People[2]

Number of Workers Onsite[4]:

- [ ] None
- [x] 1 - 100
- [ ] 101 - 1,000
- [ ] > 1,000

Population Within 1 Mile:

______ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, List Each Terrestrial Sensitive Environment[5]:

______

______

______

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

- [ ] Yes
- [x] No

Enter Total Population on or Within:

Onsite	______
0-1/4 Mile	______
>1/4-1/2 Mile	______
>1/2-1 Mile	______
>1-2 Miles	______
>2-3 Miles	______
>3-4 Miles	______
Total Within 4 Miles [3-5]	______

Wetlands Located Within 4 Miles of the Site[6]:

- [x] Yes
- [ ] No

If Yes, How Many Acres: ______ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

- [ ] Yes
- [x] No

List All Sensitive Environments Within 1/2 Mile of the Site[6]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	ponds
>1/4-1/2 Mile	ponds

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

Potential Hazardous Waste Site Preliminary Assessment Form

Identification	
State: MO	CERCLIS #:
CERCLIS Discovery Date:	

1. General Site Information

Name: Whiteman AFB		Street Address:			
City: Knob Noster		State: MO	Zip Code: 65305	County: Johnson	Co. Code:	Cong. Dist:
Latitude: 38°43'41.446"N	Longitude: 93°35'0 153"W	Approximate Area of Site: ~0.2 Acres ____ Square Ft		Status of Site: ☒ Active ☐ Inactive ☐ Not Specified ☐ NA (GW plume, etc.)	

Site Name: Outfall 1A

Site Description:

NPDES outfall for WWTP @ Whiteman AFB

2. Owner/Operator Information

Owner: Whiteman AFB			Operator:		
Street Address:			Street Address:		
City: Knob Noster			City:		
State: Mo	Zip Code: 65305	Telephone:	State:	Zip Code:	Telephone:

Type of Ownership (Owner):
- ☐ Private
- ☒ Federal Agency Name: AFB
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other____

Type of Ownership (Operator):
- ☐ Private
- ☐ Federal Agency Name: ____
- ☐ State
- ☐ Indian
- ☐ County
- ☐ Municipal
- ☐ Not Specified
- ☐ Other____

3. Site Evaluator Information

Name of Evaluator: Stephanie Asclage	Agency/Organization: CH2M Hill		Date Prepared:
Street Address: 400 E. Business Way		City: Cincinnati	State: OH
Name of EPA or State Agency Contact:		Street Address:	
City:	State:	Telephone:	

4. Site Disposition *(for EPA use only)*

Emergency Response/Removal Assessment Recommendation:	CERCLIS Recommendation:	Signature:
☐ Yes ☐ No Date: ____	☐ Higher Priority SI ☐ Lower Priority SI ☐ NFRAP ☐ RCRA ☐ Other: ____ Date: ____	Name (typed): Position:

5. General Site Characteristics

Predominant Land Use Within 1 Mile of Site (check all that apply):

- [ ] Industrial
- [ ] Commercial
- [x] Residential
- [x] Forest/Fields
- [ ] Agriculture
- [ ] Mining
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [x] Other Federal Facility AFB
- [ ] Other ______

Site Setting:

- [ ] Urban
- [ ] Suburban
- [x] Rural

Years of Operation:

Beginning Year ______

Ending Year ______

- [ ] Unknown

Type of Site Operations (check all that apply):

- [ ] Manufacturing (must check subcategory)
  - [ ] Lumber and Wood Products
  - [ ] Inorganic Chemicals
  - [ ] Plastic and/or Rubber Products
  - [ ] Paints, Varnishes
  - [ ] Industrial Organic Chemicals
  - [ ] Agricultural Chemicals
  - [ ] Miscellaneous Chemical Products
  - [ ] Primary Metals
  - [ ] Metal Coating, Plating, Engraving
  - [ ] Metal Forging, Stamping
  - [ ] Fabricated Structural Metal Products
  - [ ] Electronic Equipment
  - [ ] Other Manufacturing
- [ ] Mining
  - [ ] Metals
  - [ ] Coal
  - [ ] Oil and Gas
  - [ ] Non-metallic Minerals
- [ ] Retail
- [ ] Recycling
- [ ] Junk/Salvage Yard
- [ ] Municipal Landfill
- [ ] Other Landfill
- [ ] DOD
- [ ] DOE
- [ ] DOI
- [ ] Other Federal Facility ______
- [ ] RCRA
  - [ ] Treatment, Storage, or Disposal
  - [ ] Large Quantity Generator
  - [ ] Small Quantity Generator
  - [ ] Subtitle D
    - [ ] Municipal
    - [ ] Industrial
  - [ ] "Converter"
  - [ ] "Protective Filer"
  - [ ] "Non-or Late Filer"
- [ ] Note Specified
- [ ] Other ______

Waste Generated:

- [x] Onsite
- [ ] Offsite
- [ ] Onsite and Offsite

Waste Deposition Authorized By:

- [x] Present Owner
- [ ] Former Owner
- [ ] Present & Former Owner
- [ ] Unauthorized
- [ ] Unknown

Waste Accessible to the Public:

- [ ] Yes
- [x] No

Distance to Nearest Dwelling, School, or Workplace:

______ Feet

6. Waste Characteristics Information

(Refer to PA Table 1 for WC Score)

Source Type: (check all that apply)	Source Waste Quantity: (include unit)	Tier*:
[ ] Landfill	______	___
[ ] Surface Impoundment	______	___
[ ] Drums	______	___
[ ] Tanks and Non-Drum Containers	______	___
[ ] Chemical Waste Pile	______	___
[ ] Scrap Metal or Junk Pile	______	___
[ ] Tailings Pile	______	___
[ ] Trash Pile (open drum)	______	___
[ ] Land Treatment	______	___
[ ] Contaminated GW Plume (unidentified source)	______	___
[ ] Contaminated SW/Sediment (unidentified source)	______	___
[ ] Contaminated Soil	______	___
[ ] Other ______		
[ ] No Sources	______	___

*C=Constituent, W=Wastestream, V=Volume, A=Area

General Type of Waste (check all that apply):

- [ ] Metals
- [ ] Organics
- [ ] Inorganics
- [ ] Solvents
- [ ] Paints/Pigments
- [ ] Laboratory/Hospital Waste
- [ ] Radioactive Waste
- [ ] Construction/Demolition Waste
- [ ] Pesticides/Herbicides
- [ ] Acids/Bases
- [ ] Oily Waste
- [ ] Municipal Waste
- [ ] Mining Waste
- [ ] Explosives
- [ ] Other ______

Physical State of Waste as Deposited (check all that apply):

- [ ] Solid
- [ ] Sludge
- [ ] Powder
- [x] Liquid
- [ ] Gas

7. Ground Water Pathway

Is Ground Water Used for Drinking Within 4 Miles:	Is There a Suspected Release to Ground Water[1]:	List Secondary Target Population Served by Ground Water Withdrawn From:
☒ Yes ☐ No If Yes, Distance to nearest Drinking Well: 2,560 Feet Type of Drinking Water Wells Within 4 Miles (check all that apply): ☒ Municipal ☒ Private ☐ None	☒ Yes ☐ No **Have Primary Target Drinking Water Wells Been Identified:** ☐ Yes ☒ No If Yes, Enter Primary Target Population: ______ People[3]	0 - 1/4 Mile ______ >1/4 - 1/2 Mile ______ >1/2 - 1 Mile ______ >1 - 2 Mile ______ >2 - 3 Mile ______ >3 - 4 Mile ______ Total Within 4 Miles[4] ______
Depth to Shallowest Aquifer: ______ Feet Karst Terrain/Aquifer Present: ☐ Yes ☐ No	Nearest Designated Wellhead Protection Area[6]: ☐ Underlies Site ☐ >0-4 Miles ☐ None Within 4 Miles	[4]Use population #s for PA Table 2 [6]Note nearest well for #5 on GW Pathway Scoresheet

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):	Shortest Overland Distance From Any Source to Surface Water:
☒ Stream ☒ River ☐ Pond ☐ Lake ☐ Bay ☐ Ocean ☐ Other______	______ Feet ______ Miles
Is There a Suspected Release to Surface Water[1]: ☒ Yes ☐ No	Site is Located in: ☐ Annual - 10 yr Floodplain ☐ >10yr - 100yr Floodplain ☐ >100yr - 500yr Floodplain ☒ >500yr Floodplain
Drinking Water Intake Located Along the Surface Water Migration Path: ☐ Yes ☒ No Have Primary Target Drinking Water Intakes Been Identified: ☐ Yes ☒ No If Yes, Distance to Nearest Drinking Water Intake: ______ Miles[6] If Yes, Enter Population Served by Target Intake: ______ People[4]	List All Secondary Target Drinking Water Intakes: Name: Water Body: Flow (cfs): Population Served: ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ ______ Total within 15 Miles[4] ______
Fisheries Located Along the Surface Water Migration Path: ☐ Yes ☒ No If Yes, Distance to Nearest Fishery: ______ Miles Have Primary Target Fisheries Been Identified: ☐ Yes ☒ No	List All Secondary Target Fisheries[10]: Water Body/ Fishery Name: Flow (cfs): ______ ______ ______ ______ ______ ______ ______ ______

8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

- [x] Yes
- [ ] No

Have Primary Target Wetlands Been Identified:

- [ ] Yes
- [x] No

List All Wetlands:

Water Body:	Flow (cfs):	Frontage miles:

Other Sensitive Environments Located Along the Surface Water Migration Path:

- [ ] Yes
- [x] No

If Yes, Distance to Nearest Sensitive Environment: ________ Miles

Have Primary Target Sensitive Environments Been Identified:

- [ ] Yes
- [x] No

List All Sensitive Environments[11]:

Water Body:	Flow (cfs):	Sensitive Environment Type:

9. Soil Exposure Pathway

Are People Occupying Residence or Attending School or Daycare on or Within 200 Feet of Area of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, Enter Total Residential Population:

__________ People[2]

Number of Workers Onsite[4]:

- [ ] None
- [x] 1 - 100
- [ ] 101 - 1,000
- [ ] > 1,000

Population Within 1 Mile:

______ People[7]

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

- [ ] Yes
- [x] No

If Yes, List Each Terrestrial Sensitive Environment[5]:

____

____

____

*Refer to PA Table 7 for environment types

10. Air Pathway

Is there a Suspected Release to Air[1]:

- [ ] Yes
- [x] No

Enter Total Population on or Within:

Onsite	________
0-1/4 Mile	________
>1/4-1/2 Mile	________
>1/2-1 Mile	________
>1-2 Miles	________
>2-3 Miles	________
>3-4 Miles	________
Total Within 4 Miles[3-5]	________

Wetlands Located Within 4 Miles of the Site[5]:

- [x] Yes
- [ ] No

If Yes, How Many Acres: _______ Acres

Other Sensitive Environments Located Within 4 Miles of the Site:

- [ ] Yes
- [x] No

List All Sensitive Environments Within 1/2 Mile of the Site[6]:

Distance:	Sensitive Environment Type/Wetlands Area (acres):
Onsite	none
0-1/4 Mile	Ponds
>1/4-1/2 Mile	ponds

*Refer to PA Table 10 for calculations on air pathway exposures

[1-11] Refers to question number on the PA scoresheet for each particular pathway

APPENDIX B.2

FIELD NOTES

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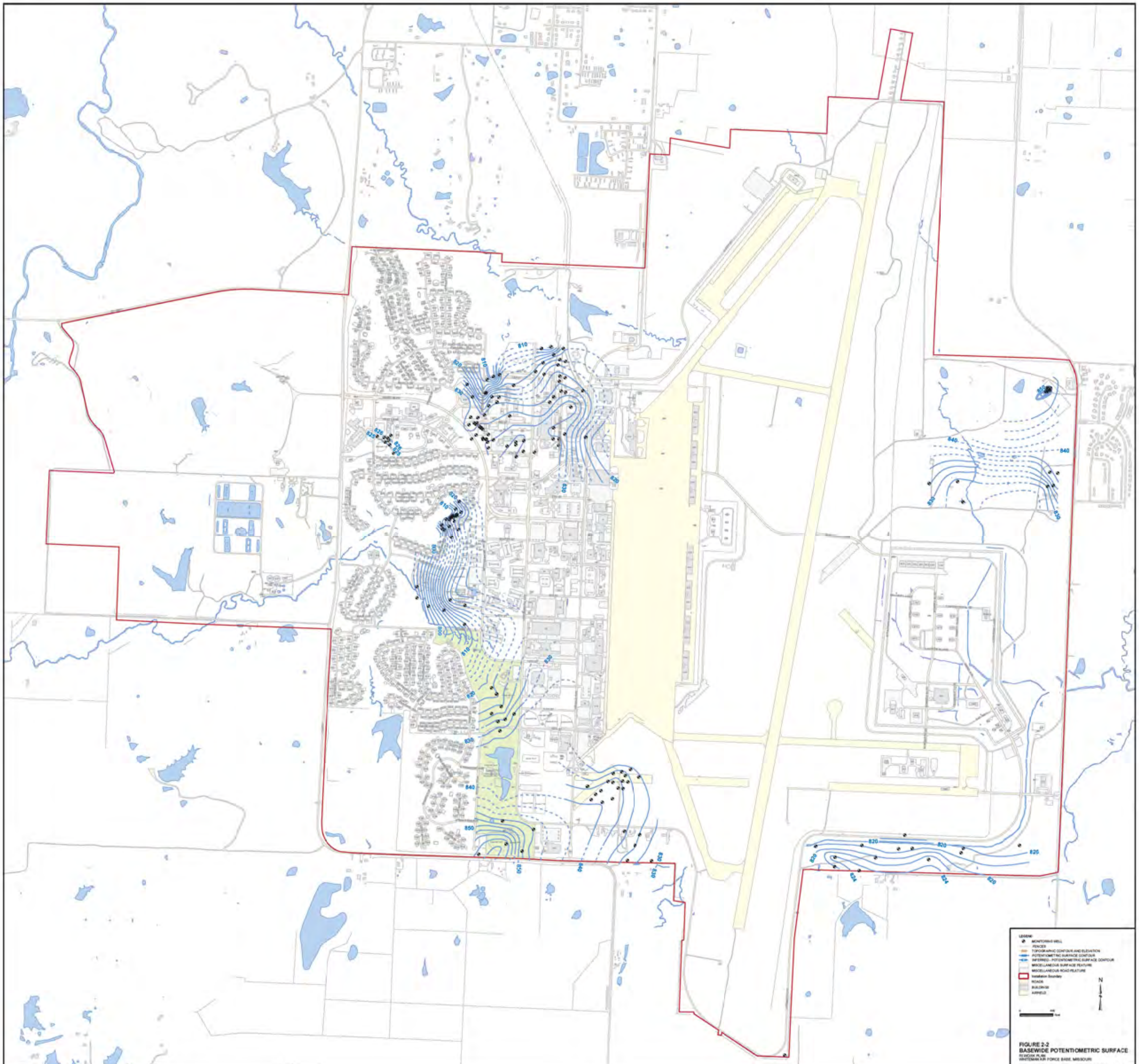

FIGURE 2-2
BASEWIDE POTENTIOMETRIC SURFACE
RI WORK PLAN
WHITEMAN AIR FORCE BASE, MISSOURI

Jerry Blaisdell

Interview Questions

Fire Chief / fire chief designee / fire suppression system manager

AFFF

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?
   - 3% Docks/Hangars w/ exception of HE (Hgr 52 and Hgr1720
     6% historically
2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, Chemguard)?
   - Ansul, 3M, Chem guard
3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?
   - All Hangars, Docks, Fire Department Live Fire Training Area, fire station, and Bldgs 1125 (Refueler Maint), Bldg 26 (B-2 Parts Warehouse), Bldg 91(Aircraft Maint), all fire apparatus and AFFF trailers.

Hangars and Buildings

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?
   - All Docks/Hangars, and Bldg 1125 have AFFF except Hangar 52 and 1720 which have HE.
5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems? Yes
6. Can you describe the procedure on how the suppression systems are supplied with AFFF?
   - In docks 1-14, Bldgs, 1117, 1118, and 1125 the AFFF is pumped to AFFF proportioning valves. In Bldgs 1,9,27, and 52 bladder tanks are used
7. Have there been inadvertent releases of AFFF from hangar fire suppression systems? When? Yes, see attached.
8. How are releases handled (i.e. when the suppression system goes off)?
   - The AFFF is washed down and goes to a 250,000 gallon industrial storage tank where the WWTP processes it.

<u>Trucks and Trailers</u>

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

   - All FES apparatus and trailers are parked in B34 – Fire Station. See attached FES AFFF inventory

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

    - See attached FES AFFF inventory

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

    - Yes

12. How often are these spray tests performed and can you provide the locations of these tests?
    - Annually

13. Can you describe the procedure on how trucks and trailers are supplied with AFFF? Where does this resupply occur? Is there secondary containment in this area?

    FES apparatus is reserviced on scene through the use of an AFFF Transfer Pump and two foam trailers. There may not be secondary containment available.

14. Can you provide the procedures on how these vehicles are cleaned/decontaminated and where vehicle cleaning is performed currently as well as in the past?
    w/in station / fuelows → WWTP thru sanitary lines

    Vehicles are cleaned with soap and water and cleaned in the fire apparatus bay where drains are connected to a fuel/water separator

15. When AFFF was used during a fire training exercise, how was the AFFF cleaned up and disposed of?

    AFFF is no longer used for exercises as JP-4/8 fires have been replaced by Propane type fires for live fire training

<u>Records, Spill logs, Historical Information</u>

16. Do you have recollection or records of AFFF being used in response to:
    a. Fuel releases to prevent fires
    b. Historical emergency response sites (i.e. crash sites and fires)
    c. Emergency runway landings where foam might have been used as a precaution

17. If not written records or incomplete written records, do you have anecdotal/verbal information and locations of spills or other emergency response incidents where AFFF was used?

18. What are the non-FTA locations where:
    a. AFFF release systems are installed (i.e. Hangars, Wastewater Treatment Plants, and Fire Stations)
    b. Where are these locations that currently contain or have contained AFFF (Building numbers)
    c. If converted from AFFF, when did they convert the system to high expansion foam

- Can you provide any other locations where AFFF has been stored, released, or used (i.e. hangars, buildings, fire stations, firefighting equipment testing and maintenance areas, emergency response sites, storm water/surface water, waste water treatment plants, and AFFF ponds/lagoons)?

Environmental Manager

FTAs

19. Confirm all FTAs identified during research are correct, and list FTAs identified during site visit.

20. What are the years of operation for each FTA?

21. How many FTAs are active versus inactive?

22. What types of fuels/flammables were used at the FTAs?

23. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one?

24. Can we have a baswide map of monitoring well locations?

25. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail.

26. Do you have a chrome plating shop on base? Years of operation?

27. Where does your water supply come from?

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Base/Site	Hangar Bldg #							Please send completed spreadsheet to Select Types of Fire Suppression Systems that are Installed									Are Foam System Abort Switches Provided? (Y or N)	Have there been any recent inadvertent foam discharges in this hangar? (Y or N)	POC-Name	Phone/DSN
2			Foam Data			Underwing System			raymond.hansen@us.af.mil (DSN) 523-6317 or (850) 283-6317 Overhead System								Are Any Other Fire Protection Systems Provided? (please list)				
3			Foam Tank Size (Gal)	Foam %	Foam Brand Name/ NSN/ Mil Spec#	High Expansion Foam	AFFF	None	High Expansion Foam	Conventional Wet-pipe Sprinklers	Conventional Preaction Sprinklers	Conventional Water Deluge (open) Sprinklers	Foam-Water Closed-head Sprinklers	Foam-Water Deluge (open head) Sprinklers	Overhead Foam Generators	None					
4	Whiteman AFB	1	600	3	MIL-F-24385		4 Monitors/ 4 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
5	Whiteman AFB	7-9	1200	3	MIL-F-24385		8 Monitors/ 8 hose reels valved off in place				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
6	Whiteman AFB	27	600	3	MIL-F-24385		4 Monitors				X						Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
7	Whiteman AFB	52 (High EXP)	200	2	Chemguard C2			X	X	X					X		Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
8	Whiteman AFB	91	600	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
9	Whiteman AFB	1117	1000	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
10	Whiteman AFB	1118	600	3	MIL-F-24385F		Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas See	6606871057/9751057
11	Whiteman AFB	1125	600	3	MIL-F-24385F			X						X			Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
12	Whiteman AFB	5050	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
13	Whiteman AFB	5051	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
14	Whiteman AFB	5052	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
15	Whiteman AFB	5053	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
16	Whiteman AFB	5054	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
17	Whiteman AFB	5055	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
18	Whiteman AFB	5058	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
19	Whiteman AFB	5059	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
20	Whiteman AFB	5060	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
21	Whiteman AFB	5061	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
22	Whiteman AFB	5062	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
23	Whiteman AFB	5063	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
24	Whiteman AFB	5064	3000	3	MIL-F-24385F		X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
25	Whiteman AFB	5065	0				X							X			Wet Pipe - Admin/Mechanical Areas	Y		Thomas See	6606871057/9751057
26	Whiteman AFB	5205	1000	3	MIL-F-24385F		X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
27	Whiteman AFB	5206	0				X			X							Wet Pipe - Admin Areas	Y		Thomas See	6606871057/9751057
28	Whiteman AFB Army Guard Hangar	1720 (High EXP)	500	2	Chemguard C2				X	X					X		Wet Pipe - Admin Areas				
29	Whiteman AFB Army Guard Hangar	1721 (High EXP)	800	2	Chemguard C2				X						X						
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39			27400	Total Foam in Gal.																	

1988
Current Fire Station

Tests
~ 5 gallons

FOAM STOCK LEVELS (3M)			DRY CHEM LEVELS	
In Station			**In Station**	
210 gallons		Crash 14	450 lbs	
Sent to BAFB IAW WRP		Crash 3	Sent to BAFB IAW WRP	
420 gallons		Crash 4	450 lbs	
420 gallons		Crash 5	450 lbs	
420 gallons		Crash 6	450 lbs	
55 gallons		E-7 (Old)	0	
55 gallons		E-8	0	
55 gallons		E-10	0	
1635 x2= Authorized (3270)		**Required**	**1800 x2= Authorized (3600)**	
1000 gallons	Foam 20	Mezzanine	1100 lbs	
1000 gallons	Foam 21			
3635		**On Hand**	**2900**	
55 gallons	x 62 barrels	Base Supply	50 lbs	x 55 cans
55 gallons	x 13 barrels	APS		
4125		**Total at Supply**	**2750**	

SN- 4210011440291

Custome Phone Number: 4044/1290
Base Sup Phone Number: 4108
APS Phone Number: 5339
Standby Number: (660) 563-1037

SN-4210007529343

To Order- Fill Out AF 2005
Days- Customer Service
Nights- APS

Updated: 3 Sep 15

BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF

From:	REBIK, EMIL L Maj USAF AFGSC 509 CES/CEO
Sent:	Thursday, December 05, 2013 6:56 AM
To:	WILT, AARON N Lt Col USAF AFGSC 509 CES/CC
Cc:	WHEELER, MARK H GS-13 USAF AFGSC 509 CES/CEP; NUGENT, KENDALL W GS-14 USAF AFGSC 509 CES/CD; LEMOINE, DANIEL P WS-15 USAF AFGSC 509 CES/CEO; BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF
Subject:	RE: Hangar Fire Suppression Systems and Inadvertent Releases
Attachments:	Background Paper UVIRs.docx

Lt Col Wilt,

We have not had any accidental dumps due to system failure. However there were a few due to human error; the doors were left open and the pipes froze; resulting in an AFFF activation. Another incident occurred when the doors were open, the system was left on and it sensed a flame from outside the hanger; activating the AFFF. Last recorded event for the docks was in 2003, please see attached BBP for additional details.

Very Respectfully,
Maj Rebik

-----Original Message-----
From: WILT, AARON N Lt Col USAF AFGSC 509 CES/CC
Sent: Wednesday, December 04, 2013 4:26 PM
To: BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF; REBIK, EMIL L Maj USAF AFGSC 509 CES/CEO
Cc: WHEELER, MARK H GS-13 USAF AFGSC 509 CES/CEP; NUGENT, KENDALL W GS-14 USAF AFGSC 509 CES/CD
Subject: FW: Hangar Fire Suppression Systems and Inadvertant Releases

Have we had any fire suppression activations here in recent memory per the traffic below?

v/r

AARON N. WILT, Lt Col, USAF
Commander, 509th Civil Engineer Squadron

"Engineers...Carry the Load!

-----Original Message-----
From: HOUGHTON, RICHARD H Col USAF AFGSC AFGSC/A7O

Point Paper on Whiteman AFB,
Aircraft Maintenance Facilities Fire Alarm/Suppression Systems

This is a history of alarm activations and AFFF dumps by facility either explained or unexplained:

1. Dock 1, facility 5050, accepted in to service on 23 Jul 91
    a. May 1997 AFFF pump run no flow caused by malfunctioning flow switch
    b. Jan 2000 alarm activation caused by personnel shutting off UVIRs

2. Dock 2, facility 5051, accepted in to service on 23 Jul 91
    a. Jun 1996 Full flow caused by contractor replacing remote circuit board
    b. May 1997 AFFF pump run no flow caused by malfunctioning flow switch

3. Dock 3, facility 5052, accepted in to service on 14 Jan 94
    No Activations

4. Dock 4, facility 5053 accepted into service on 14 Jan 94
    a. Jun 2004 underwing AFFF flow caused by power surge during controller reset found a loose connection in wiring harness

5. Dock 5, facility 5054 accepted in to service on 12 Nov 95
    a. Jun 97 AFFF pump run, no release, unknown caused
    b. Feb 00 automatic fire alarm, no release, unknown cause
    c. Jul 00 AFFF pump run, no release, caused by personnel working on flow switch,
    d. Aug 00 AFFF pump run, no release, unknown cause
    e. Oct 00 Pure AFFF flow in Dock (no water) cause by pressure reducing valve leaking
    f. Oct 00 AFFF pump run, no release, unknown cause
    g. Nov 00 AFFF pump run, no release, unknown cause

6. Dock 6, facility 5054 accepted in to service on 12 Nov 95
    a. Jun 97 AFFF pump run, no release, unknown caused
    b. Jul 00 AFFF pump run, caused by personnel working on flow switch, no release
    c. Aug 00 AFFF pump run, no release, unknown cause
    d. Oct 00 Pure AFFF flow in Dock (no water) cause by pressure reducing valve leaking
    e. Oct 00 AFFF pump run, no release unknown cause
    f. Nov 00 AFFF pump run, no release, unknown cause

7. Dock 7, facility 5058 accepted into service on 8 Sep 95
    a. Sep 98 AFFF pump run, no release, caused during annual test
    b. Dec 04 AFFF full flow, caused by dump button being pushed

8. Dock 8, facility 5059 accepted into service on 8 Sep 95
    a. Sep 98 pump run, no release, caused during annual test

9. Dock 9, facility 5060 accepted into service on 18 Sep 96
    a. General alarm from UVIR, no release, unknown cause
    b. Oct 00 AFFF pump run, caused by ruptured AFFF pipe in mechanical room

10. Dock 10, facility 5061 accepted into service on 18 Sep 96
    a. Oct 00 AFFF pump run caused by ruptured AFFF pipe in mechanical room

11. Dock 11, facility 5062 accepted into service on 29 Jul 97
    a. Jan 00 AFFF full flow, caused by manual dump button being pushed
    b. Jun 03 AFFF full flow, doors left open during air show, rocket truck activated UVIR.

12. Dock 12, facility 5063 accepted into service on 29 Jul 97
    a. Jan 04 AFFF full flow, caused by manual dump button being push

13. Dock 13, facility 5064 accepted into service on 9 Jul 99
    a. Jan 00 AFFF full flow, caused by fire detection system malfunction
    b. Apr 00 AFFF full flow, caused by fire detection system malfunction
    c. Nov 00 active alarm that AFFF pump running, no release, unknown cause
    d. Dec 00 active alarm that AFFF pump running, no release, unknown cause
    e. Jan 01 active alarm that AFFF pump running, no release, unknown cause

14. Dock 14, facility 5065 accepted into service on 9 Jul 99
    a. Nov 00 active alarm that AFFF pump running, no release, unknown cause
    b. Dec 00 active alarm that AFFF pump running, no release, unknown cause
    c. Jan 01 active alarm that AFFF pump running, no release, unknown cause
    d. Mar 03 full flow with AFFF caused by individual pushing dump button

Corrective actions taken to eliminate activations:

1. Nov 00 dock five and six deluge valves were rebuilt and wiring to the flow switches was removed from the activation circuits.

2. Jan 01 all docks had the AFFF surge tanks isolated per ACC directive.

3. Jan 01 all docks had the overhead and underwing flow switches removed from activation circuits.

4. Jul 02 all docks AFFF to the overhead system was isolated from flow per ACC directive.

5. Push button switches for manual dump operations were changed, new key operated switches installed.

6. Oct 03 all docks AFFF systems were placed back in service per ACC directive.

Each dock has had a comprehensive fire alarm detection and suppression system inspection and functional check, annually since the facility was accepted into service.

Whiteman AFB has has 35 facilities that have Siemens' and/or Pyrotronic's panels of that 17 facilities directly affect aircraft maintenance operations 14 of these are docks 1-14, building 1, building 9 and building 91. The Electrical Systems section can perform a simple isolation operation for the 17 facilities that will disable the solenoids that allow AFFF flow. This simple operation would turn off the switches in the fire alarm panels in each facility to isolate the activation solenoids. This isolation operation would take the section about four hours to accomplish and would prevent an accidental discharge of AFFF in the facilities.

A more complex isolation operation could be performed that would allow for manual dump of water and AFFF. This operation would take several hours per facility because each facility is slightly different from the next and each facility would need a full fire detection and suppression system operational check to ensure proper connection of the manual dump circuit. During this function check, we would isolate the AFFF pumps but would cause water flow. Upon returning the systems to normal operation and reporting, the facility would again need a full function test to ensure the systems functioning properly.

Whiteman AFB Electrical Systems fire alarm technicians have changed the testing procedures as necessary to ensure that the detection and suppression systems function as designed. Since the systems were placed back in service in 2003 the only AFFF discharges have been caused by human error and not by equipment malfunction.

BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF

From:	BLAISDELL, JERRY G GS-12 USAF AFGSC 509 CES/CEF
Sent:	Tuesday, June 23, 2015 10:15 AM
To:	SPRAGUE, TIMOTHY C GS-12 USAF AFGSC 2 CES/CEF
Cc:	HANSEN, MATTHEW A SMSgt USAF AFGSC 509 CES/CEFO; ROBINSON, TIMOTHY E GS-10 USAF AFGSC 509 CES/CEFP; LOPEZ, JASON A SSgt USAF AFGSC 509 CES/CEFO
Subject:	RE: FOUO\\ FW: AFFF Inventory **SUSPENSE 30 Jun 2015**
Attachments:	Whiteman AFFF Inventory (June 15) AFGSC.xlsx

Tim

Whiteman's info is attached. I think the spreadsheet is flawed unless we're not counting agent in vehicles as part agent on-hand. For example in our case, we have 1,635 in vehicles and 2 x 1K gallon foam trailers for a total of 3,635 (on-hand). The spreadsheet shows I have 2,000 gallons excess when in reality it should show 365 gallons excess (3,635 - 1,635 x 2). The only way this works is if you don't count the agent in your vehicles as agent on-hand.

Supply has 4,125 gallons (3M) as backup to the AFFF systems in our Docks/Hangars.

There are an additional 15 tanks of various sizes (600 - 3,000 gallons) totaling 27,200 gallons (3M) that support the AFFF systems.

If all the AFFF was counted it would breakout as follows:

AFFF to support FD fire ground operations	= 3,635
AFFF to support AFFF systems	= 27,200
AFFF in Supply	= 4,125
Total AFFF on Whiteman	= 34,960 gallons

If you have any questions, or desire further clarification, let me know.

Thx, Jerry

JERRY G. BLAISDELL
Chief, Fire Emergency Services
509 CES/CEF
660 10th Street, Suite 211
Whiteman AFB, MO 65305

-----Original Message-----
From: SPRAGUE, TIMOTHY C GS 12 USAF AFGSC 2 CES/CEF
Sent: Friday, June 12, 2015 4:13 PM
To: TRUNDLE, JOSHUA S SMSgt USAF 341 CES/CEF; MCDOUGALL, JOHN P GS 12 USAF AFGSC 90

Interview Questions

<u>Fire Chief / fire chief designee / fire suppression system manager</u>

<u>AFFF</u>

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?

2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, Chemguard)?

3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?

<u>Hangars and Buildings</u>

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?

5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems?

6. Can you describe the procedure on how the suppression systems are supplied with AFFF?

7. Have there been inadvertent releases of AFFF from hangar fire suppression systems? When?

8. How are releases handled (i.e. when the suppression system goes off)?

<u>Trucks and Trailers</u>

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

12. How often are these spray tests performed and can you provide the locations of these tests?

13. Can you describe the procedure on how trucks and trailers are supplied with AFFF? Where does this resupply occur? Is there secondary containment in this area?

14. Can you provide the procedures on how these vehicles are cleaned/decontaminated and where vehicle cleaning is performed currently as well as in the past?

15. When AFFF was used during a fire training exercise, how was the AFFF cleaned up and disposed of?

Records, Spill logs, Historical Information

16. Do you have recollection or records of AFFF being used in response to:
    a. Fuel releases to prevent fires
    b. Historical emergency response sites (i.e. crash sites and fires)
    c. Emergency runway landings where foam might have been used as a precaution

17. If not written records or incomplete written records, do you have anecdotal/verbal information and locations of spills or other emergency response incidents where AFFF was used?

18. What are the non-FTA locations where:
    a. AFFF release systems are installed (i.e. Hangars, Wastewater Treatment Plants, and Fire Stations)
    b. Where are these locations that currently contain or have contained AFFF (Building numbers)
    c. If converted from AFFF, when did they convert the system to high expansion foam

19. Can you provide any other locations where AFFF has been stored, released, or used (i.e. hangars, buildings, fire stations, firefighting equipment testing and maintenance areas, emergency response sites, storm water/surface water, waste water treatment plants, and AFFF ponds/lagoons)?

Environmental Manager

FTAs

20. Confirm all FTAs identified during research are correct, and list FTAs identified during site visit. Only two that I know of, the current current one and the old one beneath Bldg 1720.

21. What are the years of operation for each FTA? Not sure, Fire Chief may know.

22. How many FTAs are active versus inactive? One active, one inactive and closed.

23. What types of fuels/flammables were used at the FTAs? JP-8, solvents.

24. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one? Not sure.

25. Can we have a baswide map of monitoring well locations? Doesn't exist.

26. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail. Fire Chief.

27. Do you have a chrome plating shop on base? Years of operation? No.

28. Where does your water supply come from? Our own wells completed in formations 800 to 1000 ft. deep. Confining layer at about 30 ft. bgs.

8 Sep 15
Hooker
0900

Paul Tracy

Steve Chabotte
x3607

Interview Questions

Fire Chief / fire chief designee / fire suppression system manager

AFFF

1. What type of AFFF was used on this installation (i.e. 3%, 6%, High Expansion Foam)?

2. What manufacturer's AFFF products are used on this installation (i.e. 3M, Ansul, National Foam Chemguard)?

3. Where has the AFFF solution been handled (mixed, contained, transferred, etc.)?

Hangars and Buildings

4. Are your automated fire suppression systems currently charged with AFFF or have they been retrofitted for use of high expansion foam?

5. Do you have an inventory of the amount of AFFF stored on the installation or present in automated fire suppression systems? 3000 in docks x 7 = 21,000 Lo Facility

6. Can you describe the procedure on how the suppression systems are supplied with AFFF? pumps AFFF to system mixes @ 3% with water

7. Have there been inadvertent releases of AFFF from hangar fire suppression systems? When? Air show 2010-2012 Jet Car exhaust drifted into open hanger door

8. How are releases handled (i.e. when the suppression system goes off)? Captured in 250K gal tank, sent to WWTP when Ready

Trucks and Trailers

9. Provide a list of trucks and trailers currently carrying AFFF and where they are parked/stored?

10. How much AFFF (gallons) is carried/stored in the specified trucks and trailers?

11. Do you test the trucks for spray patterns to make sure equipment is working properly?

12. How often are these spray tests performed and can you provide the locations of these tests?

13. Can you describe the procedure on how trucks and trailers are supplied with AFFF? Where does this resupply occur? Is there secondary containment in this area?

14. Can you provide the procedures on how these vehicles are cleaned/decontaminated and where vehicle cleaning is performed currently as well as in the past?

15. When AFFF was used during a fire training exercise, how was the AFFF cleaned up and disposed of?

Records. Spill logs. Historical Information

16. Do you have recollection or records of AFFF being used in response to:
    a. Fuel releases to prevent fires
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18. What are the non-FTA locations where:
    a. AFFF release systems are installed (i.e. Hangars, Wastewater Treatment Plants, and Fire Stations)
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    c. If converted from AFFF, when did they convert the system to high expansion foam

19. Can you provide any other locations where AFFF has been stored, released, or used (i.e. hangars, buildings, fire stations, firefighting equipment testing and maintenance areas, emergency response sites, storm water/surface water, waste water treatment plants, and AFFF ponds/lagoons)?

Environmental Manager

FTAs

20. Confirm all FTAs identified during research are correct, and list FTAs identified during site visit.

21. What are the years of operation for each FTA?

22. How many FTAs are active versus inactive?

23. What types of fuels/flammables were used at the FTAs?

24. For inactive FTAs, when was the last time that fire training using AFFF was conducted at each one?

25. Can we have a baswide map of monitoring well locations?

26. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail.

27. Do you have a chrome plating shop on base? Years of operation?

28. Where does your water supply come from?
8 Water Wells – Lime Softning Plant

From:	TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
To:	Aselage, Stephanie/CIN
Subject:	RE: Well data info
Date:	Tuesday, September 15, 2015 12:08:48 PM

I believe that was in 2010

Thanks
Paul

-----Original Message-----
From: Stephanie.Aselage@ch2m.com [mailto:Stephanie.Aselage@ch2m.com]
Sent: Tuesday, September 15, 2015 10:49 AM
To: TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
Cc: CHABOTTE, STEVEN L GS-11 USAF AFGSC 509 CES/CEIEC
Subject: RE: Well data info

Thanks Paul for the well information!

Also, do you know the year that the outfall drainage was converted from the open drain to the underground closed pipe?

Thanks!
Stephanie

Stephanie Aselage
Environmental Scientist
D 1 513-587-7088

CH2M
10123 Alliance Road, Suite 300
Cincinnati, OH 45242
www.ch2m.com | LinkedIn | Twitter | Facebook

Upcoming PTO - October 2-9

-----Original Message-----
From: TRACY, PAUL C WS-09 USAF AFGSC 509 CES/CEOIA
Sent: Wednesday, September 09, 2015 10:41 AM
To: Aselage, Stephanie/CIN <Stephanie.Aselage@ch2m.com>
Cc: CHABOTTE, STEVEN L GS-11 USAF AFGSC 509 CES/CEIEC
Subject: Well data info

Stephanie

Here is the info on Whiteman's water wells

Well #1
Drilled to 1171'
Pump sits at 471'
280gpm

Well #2, no longer in service

Well #3
Drilled to 1046'
Pump sits at 471'
270gpm

Well #4
Drilled to 1080'
Pump sits at 471'
265gpm

Well #5
Drilled to 1175'
Pump sits at 408'
350gpm

Well #6
Drilled to 1052'
Pump sits at 450'
220gpm

Well#7, no longer in service

Well #8
Drilled to 1100'
Pump sits at 474'
300gpm

Well #9
Drilled to 1102'
Pump sits at 347'
530gpm

Well #10
Drilled to 1100'
Pump sits at 324'
550gpm

Please let me know if additional info is needed

Thanks

Paul Tracy
Foreman, Utility Plant Operations
509 CES/CEOIA

April 30, 2015

Glenn S. Golson, Environmental Element Chief
509 CES/CEIE
Whitman AFB, MO 65305

Dear Mr. Golson;

RE: Abandonment of a domestic water supply well located on property acquired by the air base. **The information used for the well referred to as the Vallencourt well is derived from the well Reference Number 101699 and a verbal description as provided by Mr. Golson.** A copy of the well record is attached. A copy of the well log is attached. The well locations are as provided on the well record and have not been confirmed by site inspection.

Vallencourt well, Reference Number 101699
Original Drill Date: 05/16/1994
Latitude: 38 degrees, 42 minutes, 27.2 seconds N
Longitude: -93 degrees, 33 minutes, 35.1 seconds W
Within Section 10, Township 45N, Range 24W, Johnson County Missouri
Total depth: 500.0 ft. Casing depth: 85 ft.
Casing: Recorded as 6 inch nominal
Static water level: 160 ft. Pump placed at 300 ft. below ground surface (bgs).

The well must be plugged by a contractor who holds a nonrestricted permit issued by the Missouri Department of Natural Resources.

PLEASE NOTE: ALL OF THE FOLLOWING ESTIMATED MATERIAL AMOUNTS ARE BASED ON THE CASING HAVING A NOMINAL INTERIOR DIAMETER OF 6.25 INCHES AND A BOREHOLE DIAMETER OF 6.0 INCHES AND DO NOT FACTOR IN THE PRESENCE OF THE PUMP AND DROP PIPE. IF THE CASING OR BOREHOLE DIAMETER DIFFERS FROM THE INFORMATION GIVEN ABOVE, THE FOLLOWING ESTIMATED MATERIAL AMOUNTS MAY NOT BE

(over please)

SUFFICIENT TO PROPERLY ABANDON THE WELL. IT IS RECOMMENDED THAT MEASUREMENTS BE TAKEN AT STAGES DURING THE PLUGGING TO INSURE THE DEPTHS THAT THE GROUT AND FILL ARE REQUIRED TO BE PLACED TO ARE ADHEARED TO.

1. Place the pump to the bottom of the well. It has been noted that a "crimp" is in the casing in this well and the well contractor who examined the well did not believe the pump could be removed. Because of this, a variance has been issued to allow the pump to be dropped to the bottom of the well and then encapsulated in neat cement. **If the pump cannot be placed at the bottom of the well, the following plugging specifications do not apply. Please refer to the attached variance (005852) for further details.**

2. Dig around the casing and remove the top three feet (3') of casing. The remaining hole must be at least two feet (2') in diameter larger than the casing. If the well is in a building where it is desirable not to destroy the floor, a variance may be gained to bypass this step.

Method 1:

3. **IF NO FILL MATERIAL IS USED IN THE WELL,** the well may be grouted full length with neat cement or a high solids sodium bentonite slurry placed by the tremie or reverse tremie method, or gravity fed non-slurry sodium bentonite above the neat cement required under Variance (005852) .

The well will require an estimated amount of the following: neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite in order to fill the well.

84 bags or 3.75 cubic yards of neat cement
30 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
142 bags of bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

Method 2:

4. **IF FILL MATERIAL IS USED IN THE WELL.** This involves using fill material from the total depth of the well to a point 50 feet below the base of the casing (135 ft.). Grout must then be emplaced from 135 feet below ground surface to a point 2 feet below ground surface. NOTE: The following process is to be done after the pump has been lowered to the bottom of the well and encapsulated in a minimum of 2 bags (0.075 cubic yards) of neat cement placed via a tremie.

(next page please)

4a. Disinfect fill material. Since there is water in the well, you must add chlorine bleach (5.25 to 6%) to the wells. As the fill material is poured into the well, it is disinfected as it comes in contact with the chlorinated water To bring the concentration to at least one hundred (100) PPM the following minimum amount of chlorine bleach is required:

1.0 gallons

4b. Place fill material from 490 feet below ground surface to 135 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 600 feet below ground surface to 135 feet below ground surface.

3.2 tons or 2.6 cubic yards of fill

4c. Place grout material from 135 feet below ground surface to 2 feet below ground surface.
An estimated amount of neat cement (Type I, 94 lb. bags), high solids bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

23 bags or 1.0 cubic yards of neat cement
08 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
37 bags of sodium bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

Either Method:

5. In agricultural or yard settings, the plug must terminate at least two feet (2') below the finished surface grade and the remaining hole filled with soil. In other settings, the remaining hole may be filled with clean fill if the well site is to be paved.

6. Submit registration report form to the division.

The quantities I have stated in this memorandum are estimates. They were estimated for a smooth bore hole and do not account for the possibility of the riser pipe being in the well. Since most wells do not have a smooth bore hole, it is suggested to plan for the possibility that you

(over please)

may need to add approximately 10 +/- percent to the totals I have given you. The amount required will depend on the amount of fractures/voids contained in the well.

As you add the fill material keep a good measurement. You do not want to go above the stated depths for this well with the fill material. If fill is allowed to go above this, contact the Survey for directions on how to proceed. If I can be of any more assistance, please feel free to contact me using any of the methods listed below.

Sincerely,
MISSOURI DEPARTMENT OF NATURAL RESOURCES

Matthew Parker, RG
MISSOURI GEOLOGICAL SURVEY
Wellhead Protection Section
P.O. Box 250 Rolla, MO 65402
573/368-2170
573/368-2317(fax)
email: matt.parker@dnr.mo.gov

cc: file

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI GEOLOGICAL SURVEY
DOMESTIC/MULTIFAMILY WELL RECORD AND PUMP INFORMATION DATA

OFFICE USE ONLY

REF NO 00101599 | DATE RECEIVED 11/02/1994

ROUTE PCD / PLT | APPROVED IMPORT | DATE 01/30/1995 | ENTERED CONVERT | STATE CERT NO A038327 | REVENUE NO 775954

OWNER NAME: CONNIE VALLENCOURT | TELEPHONE WITH AREA CODE 816 563 2540

OWNER ADDRESS: 315 SE AB HWY | CITY KNOB NOSTER | STATE MO | ZIP 65336

ADDRESS OF WELL (IF DIFFERENT THAN ABOVE) | CITY | ZIP

USE OF WELL: [X] DOMESTIC [ ] MULTI-FAMILY | VARIANCE NUMBER (IF ISSUED) | CASING DEPTH LETTER [ ] YES [ ] NO | OWNERS SIGNATURE (Water Use Information Verified by Owner Signature) | DAT

CASING AND SCREEN INFORMATION

CASING LENGTH	O.D. OF CASING	WEIGHT (LB) SDR#, SCH#	DIAMETER OF DRILL HOLE	CASING MATERIAL	DRIVE SHOE USED?	PACKER USED ON PVC CASING
85 FT	9.0 IN		9.0 IN	[X] STEEL [ ] PLASTIC [ ] CONCRETE	[ ] YES [ ] NO	[ ] NONE [ ] RUBBER BOOT [ ] COUPLING [ ] INVERTED BELL

SURFACE CASING (IF USED) LENGTH FT, OUTSIDE DIAMETER IN | SCREEN LENGTH (UNCONSOLIDATED MATERIAL WELLS) FT | SCREEN TYPE/SLOT SIZE

CASING GROUT INFORMATION

GROUT TYPE (CHOOSE ONE): CEMENT [ ] TYPE 1 [ ] HI EARLY; BENTONITE [X] CHIPS [ ] GRANULAR [ ] PELLETS [ ] SLURRY

NO. OF BAGS OR CUBIC YARDS 0.0; LBS PER BAG

METHOD OF GROUT INST... [ ] GRAVITY [ ] TREMIE AS DRIVEN [ ] PRESSURE THROUGH CASING [ ] PRESSURE THROUGH TREMIE; ... OP N H L PO DI LAC MENT

POSITION OF SEAL: [X] BOTTOM [ ] TOP [ ] FULL LENGTH

DRILLING SUSPENDED? [ ] YES [X] NO ___ HRS

LINER INFORMATION

LENGTH ___ FT | O.D. OF LINER ___ IN | MATERIAL [ ] STEEL [ ] PLASTIC | WEIGHT (LB)SDR# SCH# | USE (CHOOSE ONLY ONE) [ ] HOLD BACK FORMATION [ ] PREVENT RUST [ ] SEAL OUT UNDESIRABLE | DEPTH TO TOP OF LINER 0.0 FT | PERFORATED INTERVAL FROM TO

LINER GROUT INFORMATION

GROUT TYPE: CEMENT [ ] TYPE I [ ] HI EARLY; BENTONITE [ ] SLURRY [ ] GRANULAR [ ] CHIPS [ ] PELLETS | NO. OF SACKS USED; LBS PER BAG | METHOD OF INSTALLATION [ ] GRAVITY [ ] TREMIE [ ] AS LINER | POSITION OF SEAL [ ] FULL LENGTH [ ] BOTTOM | DEPTH PACKERS SET FT

DEPTH FROM	TO	FORMATION DESCRIPTION
0.0	30.0	DIRT + HARD PAN
30.0	130.0	20'GR SHALE GR LIME
130.0	210.0	GR/BLK SHALE
210.0	430.0	GR LIME +SHALE SEAMS SHA
430.0	500.0	GR LIME/FLINT/SOME SAND

DEPTH TO BEDROCK ___ FT

TOTAL DEPTH 500.0 FT

LOCATION OF WELL OR PUMP

LAT. 38° 47' 27.2" | DRILL AREA A1

LONG. 93° 37' 38.1" | ELEVATION ___

LEGAL LOCATION: SW 1/4 NW 1/4 NW 1/4; SECTION 10 TOWNSHIP 45N RANGE 24 W; COUNTY JOHNSON

ABANDONED WELL ON SITE? [ ] YES [ ] NO; WAS THE WELL PLUGGED? [ ] YES [ ] NO

WELL COMPLETION DATE D 16/1 | PUMP IN...

WELL Y... 1 0 M | PUMP INSTALLATION DATE

STATIC WATER LEVEL 1 0F | DEPTH PUMP SET 300.0 FT

DEPTH FIRST GROUND WATER FT | PUMP RATE 10.0 GPM

I HEREBY CERTIFY THE WELL/PUMP INFORMATION DESCRIBED HEREIN ... D A

SIGNATURE	PERMIT#	DATE
PRIMARY CONTRACTOR SIGNATURE: WALTER HEISTERBERG	001598	
WELL DRILLER SIGNATURE: WALTER HEISTERBERG	001598	
PUMP INSTALLER SIGNATURE: HOWARD HOUT	002580	
WELL DRILLER APPRENTICE SIGNATURE		
PUMP INSTALLER APPRENTICE SIGNATURE		

STATE OF MISSOURI

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

P.O. Box 250 111 Fairgrounds Rd. Rolla, MO 65402-0250
(573) 368-2165
FAX(573) 368-2317

VARIANCE: Approved VARIANCE NUMBER: 5652

WELL OWNER INFORMATION							
NAME:	WHITMAN AFB, GLEN GOLSON, ENVIR ELEM CHIEF						
ADDRESS 1:	509 CES/CEIE					FAX:	
ADDRESS 2:							
CITY:	WHITMAN AFB	STATE: MO	ZIP: 65305			TELEPHONE:	
WELL LOCATION							
COUNTY:	JOHNSON	LAT. 38	42	27.2	LONG. 93	33	35.1
1/4	1/4	1/4	SEC. 10		TWN. 45	N	RNG. 24W
CONTRACTOR INFORMATION							
COMPANY NAME:			PERMIT NUMBER:				
CONTRACTOR NAME:							
ADDRESS:						FAX:	
CITY:		STATE:	ZIP:			TELEPHONE:	

VARIANCE INFORMATION

VARIANCE EXPLANATION

APPROVAL GRANTED TO PLUG THE WELL AT THE ABOVE REFERENCED SITE WITH THE PUMP IN THE WELL. REQUIRED: ATTEMPT MUST BE MADE TO PUSH PUMP TO THE BOTTOM OF THE WELL. PUMP TO BE SURROUNDED WITH A MINIMUM 10 FOOT PLUG OF NEAT CEMENT SLURRY. IF THE PUMP CANNOT BE PUSHED TO THE BOTTOM OF THE WELL, THE BOREHOLE BELOW THE PUMP MUST BE PLUGGED USING A NEAT CEMENT SLURRY. ALL OTHER APPLICABLE PLUGGING STANDARDS UNDER THE MISSOURI WELL CONSTRUCTION RULES (MWCR) TO BE ADHERED TO.

RULE NUMBER MODIFIED: 10 CSR 23-3.110

REASON FOR VARIANCE

WHITMAN AFB ENVIRNONMENTAL STAFF HAD A VIDEO EXAMINATION OF THE WELL DONE. EXAMINATION NOTES A PROBLEM IN THE CASING THAT PREVENTS THE PUMP FROM BEING REMOVED FROM THE WELL.

DATE:	05/01/2015	BY:	MATTHEW PARKER, R.G.
Cc:		Cc:	

April 30, 2015

Glenn S. Golson, Environmental Element Chief
509 CES/CEIE
Whitman AFB, MO 65305

Dear Mr. Golson,

RE: Abandonment of a domestic water supply wells located on property acquired by the air base. **The Information used for the well referred to as the Sibert well is derived from the well log number 0022363**. A copy of the well log is attached. The well locations are as provided on the well record and well log and have not been confirmed by site inspection.

Sibert Well, Water Resource Center Log Number 0022363
Original Drill Date: 04/13/1963
Latitude: 38 degrees, 42 minutes, 11.8 seconds N
Longitude: -93 degrees, 32 minutes, 27.9 seconds W
Within Section 11, Township 45N, Range 24W, Johnson County Missouri
Total depth: 765.0 ft. Casing depth: 280 ft. of 6.25inch nominal diameter casing, 68 ft. of 5.1 inch nominal diameter casing.
Static water level: 200 ft. Pump: no information available.

The well must be plugged by a contractor who holds a nonrestricted permit issued by the Missouri Department of Natural Resources.

PLEASE NOTE: ALL OF THE FOLLOWING ESTIMATED MATERIAL AMOUNTS ARE BASED ON THE CASING HAVING A NOMINAL INTERIOR DIAMETER OF 6.25 INCHES AND A BOREHOLE DIAMETER OF 6.0 INCHES. IF THE CASING OR BOREHOLE DIAMETER DIFFERS FROM THE INFORMATION GIVEN ABOVE, THE FOLLOWING ESTIMATED MATERIAL AMOUNTS MAY NOT BE

(over please)

SUFFICIENT TO PROPERLY ABANDON THE WELL. IT IS RECOMMENDED THAT MEASUREMENTS BE TAKEN AT STAGES DURING THE PLUGGING TO INSURE THE DEPTHS THAT THE GROUT AND FILL ARE REQUIRED TO BE PLACED TO ARE ADHEARED TO.

1. Remove all pumps, pipe, and debris from all well.

2. Dig around the casing and remove the top three feet (3') of casing. The remaining hole must be at least two feet (2') in diameter larger than the casing. If the well is in a building where it is desirable not to destroy the floor, a variance may be gained to bypass this step.

Method I:

3. **IF NO FILL MATERIAL IS USED IN THE WELL**, the well may be grouted full length with neat cement or a high solids sodium bentonite slurry placed by the tremie or reverse tremie method, or gravity fed non-slurry sodium bentonite.
The well will require an estimated amount of the following: neat cement (Type 1, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite in order to fill the well.

128 bags or 5.6 cubic yards of neat cement

47 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)

218 bags of bentonite chips (50 lb. bags)

Note: If using neat cement or sodium bentonite slurry, the neat cement must be emplaced or the water displaced through a tremie pipe lowered through the water level to within 10 feet of the bottom of the well. The sodium bentonite slurry must be emplaced through a tremie pipe lowered though the water level to within 10 feet of the bottom of the well.

(next page please)

Method 2:

4. **IF FILL MATERIAL IS USED IN THE WELL.** This involves using fill material from the total depth of the well to a point 50 feet below the base of the casing (400 ft.). There was no information available as to where the additional 68 feet of liner was installed. Therefore it is assumed it was placed at the end of the casing string, leaving a total cased depth of 348 ft. If the well has had a video examination and this is not correct, please contact this office for revised plugging standards. Grout must then be emplaced from 400 feet below ground surface to a point 30 feet inside the upper casing (250 ft.). Fill material can then be placed from 250 feet to 50 feet below ground surface.

4a. Disinfect fill material. Since there is water in the well, you must add chlorine bleach (5.25 to 6%) to the wells. As the fill material is poured into the well, it is disinfected as it comes in contact with the chlorinated water To bring the concentration to at least one hundred (100) PPM the following minimum amount of chlorine bleach is required:

1.6 gallons

4b. Place fill material from 765 feet below ground surface to 400 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 765 feet below ground surface to 400 feet below ground surface.

3.25 tons or 2.68 cubic yards of fill

4c. Place grout material from 400 feet below ground surface to 250 feet below ground surface.
An estimated amount of neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

25 bags or 1.1 cubic yards of neat cement
9 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
43 bags of sodium bentonite chips (50 lb. bags)

4d. Place fill material from 250 feet below ground surface to 50 feet below ground surface. Clean fill can be comprised of materials such as gravel, crushed rock, sand, varied sized agricultural lime or other approved fill material.
The following estimated amount of fill material needed to fill the well from 250 feet below ground surface to 50 feet below ground surface.

1.8 tons or 1.6 cubic yards of fill

(over please)

4e. Place grout material from 50 feet below ground surface to 2 feet below ground surface.

An estimated amount of neat cement (Type I, 94 lb. bags), high solids sodium bentonite slurry, or chip sodium bentonite to fill the well from a depth of 135 feet to 2 feet:

8 bags or 1.1 cubic yards of neat cement
3 bag mix sodium bentonite slurry (a maximum of approximately 30 gallons water/50 lb. bentonite)
14 bags of sodium bentonite chips (50 lb. bags)

Either Method

5. In agricultural or yard settings, the plug must terminate at least two feet (2') below the finished surface grade and the remaining hole filled with soil. In other settings, the remaining hole may be filled with clean fill if the well site is to be paved.

6. Submit registration report form to the division.

The quantities I have stated in this memorandum are estimates. They were estimated for a smooth bore hole and do not account for the possibility of the riser pipe being in the well. Since most wells do not have a smooth bore hole, it is suggested to plan for the possibility that you may need to add approximately 10 +/- percent to the totals I have given you. The amount required will depend on the amount of fractures/voids contained in the well.

As you add the fill material keep a good measurement. You do not want to go above the stated depths for this well with the fill material. If fill is allowed to go above this, contact the Survey for directions on how to proceed. If I can be of any more assistance, please feel free to contact me using any of the methods listed below.

Sincerely,
MISSOURI DEPARTMENT OF NATURAL RESOURCES

Matthew Parker, RG
Missouri Geological Survey
Wellhead Protection Section
P.O. Box 250 Rolla, MO 65402
573/368-2170
573/368-2317(fax)
email: matt.parker@dnr.mo.gov

STATE OF MISSOURI
MATTHEW PARKER
RG
2005015925
REGISTERED GEOLOGIST

cc: file

DNR MISSOURI SAMPLE WELL-LOG LIBRARY DGLS

LOG NUMBER
0022363

OWNER: Sibert
PLUGGED N CONFIDENTIAL? 0 RELEASE DATE:
WELL TYPE: Private Well
DRILLER: Schnell, W.C.
LEASENAME:
DRILL DATE: 1963/04/13 PERMIT #:
LOGGER: Wells, J. LOGDATE: 1964/03/31
TYPE OF LOG: S SAMPLE SAVED? 0

MISSOURI , COUNTY: Johnson
SECTION: 11 TOWNSHIP: 45 N RANGE 24 W
SW of SW of NW
LATITUDE: 38.70328
LONGITUDE: -93.54111
QUAD NAME: BURTVILLE

ELEVATION: 879 BASE: S BEDROCK @ 250 FEET
TOTAL DEPTH: 765 INTERVAL CORED: 0 TO 0
YIELD: * DRAWDOWN:
STATIC WATER LEVEL BEFORE: AFTER: 200

OTHER DATABASES:
ID NUMBER:
DATABASE 2:
ID NUMBER:
DATABASE 3
ID NUMBER

WATER AT: "NO LIMIT"

TOP FORMATION: BURLINGTON LIMESTONE
BOTTOM FORMATION: ROUBIDOUX FORMATION

REMARKS: 2 MI S OF AIR BASE

CONSTRUCTION DATA

CASING:	DEPTH:	DIAMETER	CASING MATERIAL
	280	6.25	S
	58	5.1	
	0	0	I/O: O
	0	0	SIZE HOLE: 0

DATE PLUGGED: DATE ABANDONED:
Plug Depth TOP: 0 Plug Depth Bottom: 0
GROUTING:

PUMP:	Capacity	Pump Type	Set at	Total Depth	Screen Type	Size	Length	Slot
	0		0	0		0	0	0

Well Treatment: Type Devised: Type of Completion:
Oil Production: Gas Production:
Perforation Interval: Top 0 Bottom 0
Tube Pressure:

Water Analysis: MGS WATER ANALYSIS #7376 - 8 1973

OPEN FORMATIONS
Top Formation: CHOUTEAU GROUP
Bottom Formation: ROUBIDOUX FORMATION

LOG NUMBER
0022363

STRATIGRAPHY

TOP	BOT	FORMATION NAME	LITHOLOGY PRIMARY	LITHOLOGY SECONDARY	LITHOLOGY MINOR	MINERALS PRIMARY	OCC.	MINERALS SECONDAR	OCC	MINOR
0	250	NO SAMPLES					0		0	
250	395	MISSISSIPPIAN SYSTEM					0		0	
250	315	OSAGEAN SERIES					0		0	
250	315	BURLINGTON LIMESTONE	LIMESTONE		CHERT		0		0	
250	315	BURLINGTON LIMESTONE	LIMESTONE		CHERT		0		0	
315	395	KINDERHOOKIAN SERIES					0		0	
315	395	CHOUTEAU GROUP	LIMESTONE	DOLOMITE	CHERT		0		0	
315	330	SEDALIA FORMATION	DOLOMITE	LIMESTONE	SILT		0		0	
395	435	DEVONIAN SYSTEM					0		0	
395	435	MIDDLE DEVONIAN SERIES					0		0	
395	435	CEDAR VALLEY LIMESTONE	LIMESTONE		CHERT		0		0	
435	765	ORDOVICIAN SYSTEM					0		0	
435	765	CANADIAN (IBEXIAN) SERIES					0		0	
435	545	COTTER DOLOMITE	DOLOMITE	CHERT	SHALE		0		0	

545	690	JEFFERSON CITY DOLOMITE	DOLOMITE	CHERT	SHALE	0	0
655	670	NO SAMPLES				0	0
690	765	ROUBIDOUX FORMATION	DOLOMITE	CHERT	SAND	0	0
765	765	TOTAL DEPTH				0	0

Please send completed spreadsheet to
[illegible] Fire Protection Engineer, AFCEC/CZOM
[illegible] DSN 523-6317 or (850) 283-6317

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1						Select Types of Fire Suppression Systems that are Installed															
2			Foam Data			Underwing System			Overhead System												
3	Base/Site	Hangar Bldg #	Foam Tank Size (Gal)	Foam %	Foam Brand Name/MSDS/Mil Spec#	High Expansion Foam	AFFF	None	High Expansion Foam	Conventional Wet-pipe Sprinklers	Conventional Pre-action Sprinklers	Conventional Water Deluge (open) Sprinklers	Foam-Water Closed-head Sprinklers	Foam-Water Deluge (open head) Sprinklers	Overhead Foam Generators	None	Are Any Other Fire Protection Systems Provided? (please list)	Are Foam System Abort Switches Provided? (Y or N)	Have there been any recent inadvertent foam discharges in the hangar? (Y or N)	POC Name	Phone/DSN
4	Whiteman AFB	1	600	3	MIL-F-24385	1991	4 Monitors/4 hose reels valved off in place				x						Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
5	Whiteman AFB	7-8	1200	3	MIL-F-24385	1991	4 Monitors/4 hose reels valved off in place				x						Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
6	Whiteman AFB	27	600	3	MIL-F-24385	91	4 Monitors				x						Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
7	Whiteman AFB	52 (High Bay)	220	2	Chemguard C3			x	x	x					x		Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
8	Whiteman AFB	91	400	3	MIL-F-24385F	91	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas Sas	[illegible]
9	Whiteman AFB	1117	1000	3	MIL-F-24385F	95	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas Sas	[illegible]
10	Whiteman AFB	1118	600	3	MIL-F-24385F	95	Disconnected Hose Reels						Pre Action				Wet Pipe - Admin Areas	N		Thomas Sas	[illegible]
11	Whiteman AFB	1125	400	3	MIL-F-24385F	96		x						x			Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
12	Whiteman AFB	5050	3000	3	MIL-F-24385F	1991	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
13	Whiteman AFB	5051	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
14	Whiteman AFB	5052	3000	3	MIL-F-24385F	1993	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
15	Whiteman AFB	5053	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
16	Whiteman AFB	5054	3000	3	MIL-F-24385F	1992	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
17	Whiteman AFB	5055	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
18	Whiteman AFB	5056	3000	3	MIL-F-24385F	1996	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
19	Whiteman AFB	5072	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
20	Whiteman AFB	5060	3000	3	MIL-F-24385F	1996	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
21	Whiteman AFB	5061	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
22	Whiteman AFB	5062	3000	3	MIL-F-24385F	1997	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
23	Whiteman AFB	5063	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
24	Whiteman AFB	5064	3000	3	MIL-F-24385F	1999	x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
25	Whiteman AFB	5065	0				x							x			Wet Pipe - Admin/Mechanical Areas	Y		Thomas Sas	[illegible]
26	Whiteman AFB	5205	1000	3	MIL-F-24385F	2002	x			x							Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
27	Whiteman AFB	5206	0				x			x							Wet Pipe - Admin Areas	Y		Thomas Sas	[illegible]
28	Whiteman AFB Army Guard Hangar	1730		1					x	x					x		Wet Pipe - Admin Areas				
29	Whiteman AFB Army Guard Hangar								x						x						
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39			33400																		

54

tested every 2 years ~ 300 gallon/facility for dumps/tests

Dock 7 & 8 Jan 2015
3,000 gallons

1117
1118
1125
91
1
9 27

1

never been tested

however, goes to sanitary drains to wwmp

1, 9, 27 ~~Nosedocks~~ go to UST (250,000)

1125 goes to own tank Feb 2015 UST

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APPENDIX C

RECORDS OF COMMUNICATION

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HGL

Date:
Time:

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Thomas See	
Organization: 509 CES/CEOFcA	Phone:
Position/Job Title: FAST Shop	Email:
How Long in this Position? 2004	
How long at this Base in current and previous positions? 25 yrs	
Have you held similar positions at other bases? No	
Which bases?	
How long?	

Discussion:

- 52 only has HEF
- ~300 gallons of AFFF are released during each test
- ~~Al...~~ Docks dumps all on occidentials (1-14)(1,9,27) but other buildings do not.

5205/5206 Lo facility

30,000 gallon UST @ 1125
~~10,000~~ gal 1118, 91, 1117 → share 30,000-gal UST
UST ↓
30,000 UST own

- See handout w/additional notes

HGL	Date: 8 Sep 15 Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: Steve Chabotte	
Organization: 509 CES/CEIEC	Phone:
Position/Job Title: Physical Scientist	Email:
How Long in this Position? 4 yrs	
How long at this Base in current and previous positions? almost 14 yrs	
Have you held similar positions at other bases? when I was active duty (military)	
Which bases? Edwards AFB CA, Seymour Johnson AFB, NC Whiteman AFB, MO	
How long? 9 yrs — 3 1/2 yrs — 14 yrs	

Discussion:

provided information on daycare & elementary school on base

Whiteman Elementary School (Bldg 3015), Houx Dr.

Current PTA liner
- 80 mL HDPE, then sand on top, then 60 mL HDPE
- HDPE drainage net, & retention pond is 96' square w/ 40' square base.

- GW Flow to the west

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com

Interviewee: JED HARGETT	
Organization: 509 CES GeoBase	Phone:
Position/Job Title: GeoBase Administrator	Email:
How Long in this Position? 10 MOS.	
How long at this Base in current and previous positions? 10 MOS	
Have you held similar positions at other bases? Yes	
Which bases? Barksdale, Kadena	
How long? 10 yrs.	

Discussion:

Mr. Terry Clemons is the GeoBase Vault Manager. He is custodian of AS-built drawings for the base. He has been here for 40 yrs. He may be able to answer questions regarding identifying buildings that previously had AFFF systems based on as-built drawings from the period.

HGL

Date:
Time:

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Andrea Goodson	
Organization: 509 CES/CENP	Phone:
Position/Job Title: Community Planner	Email:
How Long in this Position? 5 years	
How long at this Base in current and previous positions? 20 years	
Have you held similar positions at other bases? N/A	
Which bases? N/A	
How long? N/A	

Discussion:

has map & info of residential wells to the south

HGL

Date: 9/8/2015
Time: 0900

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Robert Bryant	
Organization: 509 CEF/CEIE	Phone:
Position/Job Title: WATER / AFL / HAZ waste Mgr	Email:
How Long in this Position? 6 months	
How long at this Base in current and previous positions? 6 months	
Have you held similar positions at other bases? No	
Which bases?	
How long?	

Discussion:

Bldg 139 - Supply Warehouse } they have 75
Bldg 26 - Aircraft Parts Store } 55-gallon drums of back-up AFFF.

HGL | Date: Time: | COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Paul Tracy	
Organization: 509 CES	Phone:
Position/Job Title: Foreman, Utility Plant Ops	Email:

How Long in this Position? 3 YR

How long at this Base in current and previous positions? 85-89 1995 - Present

Have you held similar positions at other bases?
Treatment Plant Operator

Which bases?
OSAN AB Korea, KI Sawyer AFB MI

How long?
1 YR Osan 5 YR KISawyer

Discussion:

* Outfall 001 goes to unnamed tributary (W) to Brewers Branch (W) to Clearfork (N).

* AFFF holding ~~ponds~~ cells lined w/clay. installed in 1997

* Docks 1-14 go to 250,000 gallon UST that then goes to AFFF holding cells through sanitary sewer lines. Then ~~goes~~ back to WWTP where its treated & goes sent to outfall. ~200,000 gallons goes to WWTP
* Docks are tested 4 months out of the year
* Each ~~Dock~~ FSS is tested every 2 years

* Production wells are all rotated (8 wells total) No specific wells used all the time w/contigent wells (~~see~~ see email)

* GW flow to the west

* AFFF holding ponds installed in 1997.

* 2000 - outfall path changed from surface to underground pipe.

* 8 production wells in use, no favor, rotate wells

HGL

Date: 9/8/15
Time:

COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO
Interviewer: Stephanie Aselage
Organization: CH2M HILL | Phone: 513-587-7088
Position/role on this project: Base Lead | Email: Stephanie.aselage@ch2m.com

Interviewee: Jerry Whitford
Organization: | Phone:
Position/Job Title: Cheif of Project Management | Email:
How Long in this Position? 18 yrs
How long at this Base in current and previous positions? 31 yrs.
Have you held similar positions at other bases?

Which bases?

How long?

Discussion:

* no previous hangars had AFFF until B-2
* remembers crash in 92 or 94 but it was some type of fighter plane. Not sure which type.

HGL	Date: 9/9/15 Time:	**COMMUNICATION RECORD**

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	**Phone:** 513-587-7088
Position/role on this project: Base Lead	**Email:** Stephanie.aselage@ch2m.com

Interviewee: Jerry Blaisdell 509CES/CEF	
Organization: AF Global Strike Command	**Phone:**
Position/Job Title: Fire Chief	**Email:**
How Long in this Position? 11 years	
How long at this Base in current and previous positions?	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

* has never responded to a fire & used AFFF @ this base in past 11 years

* most information documented in interview questionnaire & additional handouts

* annual tests for fire engines are into fire training pit. ~5 gallons discharged total for test.

HGL	Date: Time:	COMMUNICATION RECORD

Name of Base, State: Whiteman AFB, MO	
Interviewer: Stephanie Aselage	
Organization: CH2M HILL	Phone: 513-587-7088
Position/role on this project: Base Lead	Email: Stephanie.aselage@ch2m.com
Interviewee: Dave ~~Easky~~ Easley	
Organization: 509 CES	Phone:
Position/Job Title: Base Historian	Email:
How Long in this Position?	
How long at this Base in current and previous positions?	
Have you held similar positions at other bases?	
Which bases?	
How long?	

Discussion:

* 1979 Visiting Plane Crash Outside Base Operations ~~additional~~ additional information belongs to the 351st Missile wing which no longer exists @ Whiteman.

HGL	Date: Time:	COMMUNICATION RECORD	
Name of Base, State: Whiteman AFB, MO			
Interviewer: Stephanie Aselage			
Organization: CH2M HILL		Phone: 513-587-7088	
Position/role on this project: Base Lead		Email: Stephanie.aselage@ch2m.com	
Interviewee: Paul Takacs			
Organization: Environmental Restoration Program		Phone:	
Position/Job Title: Environmental Engineer		Email:	
How Long in this Position?			
How long at this Base in current and previous positions?			
Have you held similar positions at other bases?			
Which bases?			
How long?			

Discussion:

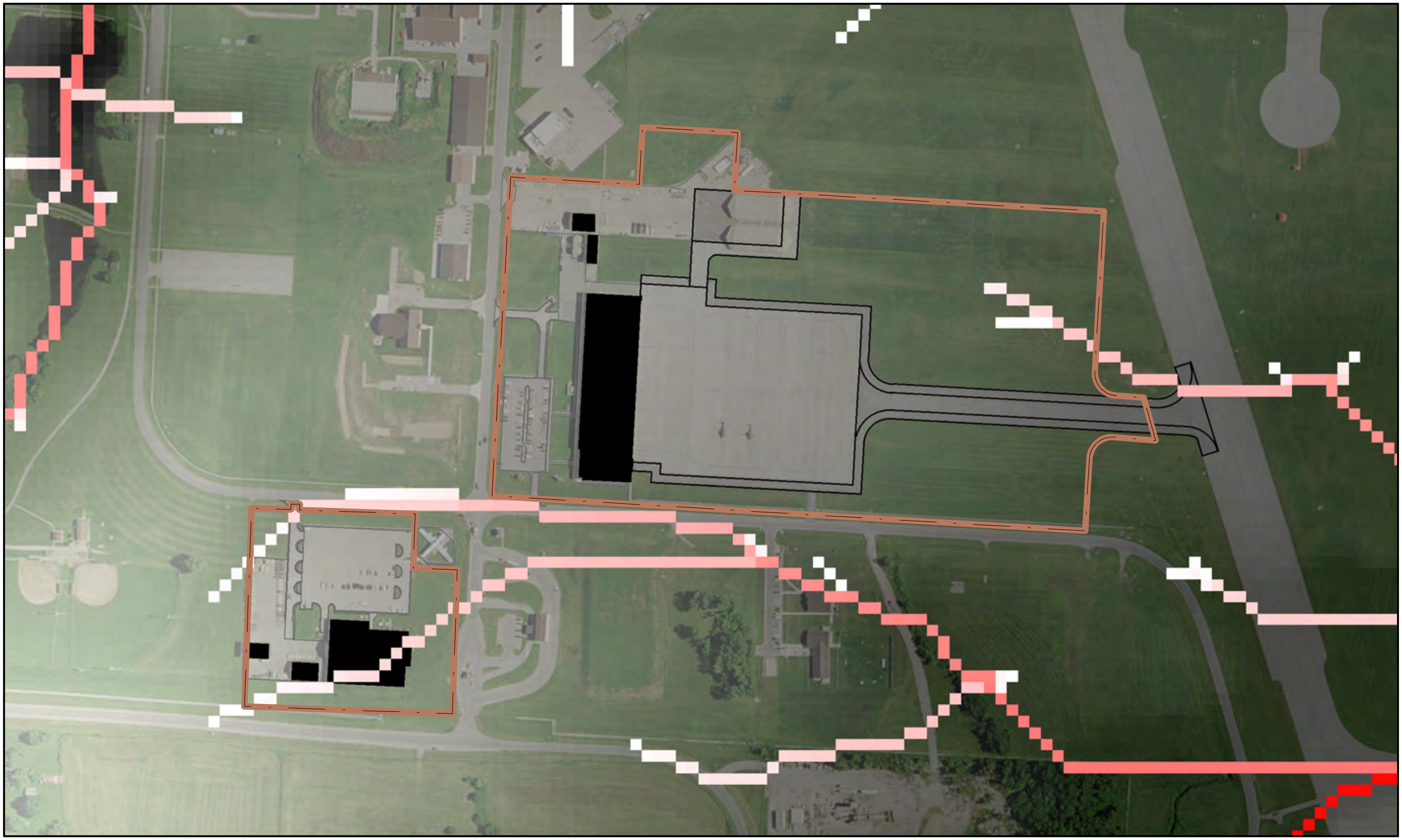
FT02 – currently a helipad, pre-remedy in place, ROD signed w/monitoring required.

FT16 – Currently Army parking area/grassy area closed status

UNCLASSIFIED

WHITEMAN AASF

SURFACE RUNOFF ACCUMULATION ANALYSIS



LEGEND

Installation Boundary

Building/Structure

Airfield

Pavement

Flow Accumulation

High

Low

Elevation

High

Low

0 100 200 Meters

(Printed Scale: 1:5,000)

N

W E

S

GIS

MISSOURI ARMY NATIONAL GUARD
ENVIRONMENTAL MANAGEMENT OFFICE
6819B North Boundary Road
Jefferson City, MO 65101-1207

ELLIPSOID........WORLD GEODETIC SYSTEM 1984
GRID/UNIT........UTM ZONE 15 N/METER
PROJECTION........TRANSVERSE MERCATOR
VERTICAL DATUM........MEAN SEA LEVEL
HORIZONTAL DATUM........WGS 1984
DEVELOPED BY........MISSOURI ARMY NATIONAL GUARD
CARTOGRAPHER........NICHOLAS J. YOUNG

DECEMBER, 2016

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File 17G

Whiteman AFB
Missouri

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number AR-717

Final
Site Inspection Report
of Aqueous Film Forming Foam Areas at
Whiteman Air Force Base
Johnson County, Missouri

October 2018

Submitted to:

Air Force Civil Engineer Center
3515 General McMullen Suite 155
San Antonio, Texas 78226-2018

Submitted by:

U.S. Army Corps of Engineers
Omaha District
1616 Capitol Avenue
Omaha, Nebraska 68102-4901

Prepared by:

Aerostar SES LLC
1006 Floyd Culler Court
Oak Ridge, Tennessee 37830-8022
under
Contract No. W9128F-15-D-0051
Delivery Order No. 0003

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Oak Ridge, Tennessee 37830
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Delivery Order No. 0003

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Acronyms and Abbreviations

µg/L	micrograms per liter
µg/kg	microgram per kilogram
AFB	Air Force Base
AFFF	aqueous film forming foam
ASL	Aerostar SES LLC
bgs	below ground surface
btoc	below top of casing
CAS	Chemical Abstracts Service
CSM	conceptual site model
dup	duplicate
EPA	Environmental Protection Agency
EZ	exclusion zone
ft	foot or feet
FTA	fire training area
gpm	gallons per minute
HA	health advisory
Halliburton	Halliburton NUS Corporation
HDPE	high-density polyethylene
HQ	hazard quotient
ID	identification
IDW	investigation-derived waste
IRP	Installation Restoration Program
MDNR	Missouri Department of Natural Resources
NA	not applicable
NAVD 88	North American Vertical Datum of 1988
ND	not detected
NL	not listed
NPDES	National Pollutant Discharge Elimination System
PA	preliminary assessment
PFAS	per- and polyfluorinated alkyl substances
PFBS	perfluorobutane sulfonate
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
pH	potential of hydrogen
PID	photoionization detector
PVC	polyvinyl chloride
PWSD	Public Water Supply District
QAPP	quality assurance project plan
QC	quality control
ROD	Record of Decision
RSL	regional screening level
SI	site inspection
TCLP	toxicity characteristic leaching procedure
TOC	total organic carbon
USACE	U.S. Army Corps of Engineers
USAF	United States Air Force

USCS	Unified Soil Classification System
WIMS	Well Information Management System
WWTP	wastewater treatment plant

1.0 INTRODUCTION

Aerostar SES LLC (ASL) under contract to the U.S. Army Corps of Engineers (USACE) Omaha District (Contract No. W9128F-15-D-0051, Delivery Order No. 0003) conducted screening-level site inspections (SIs) at four known or suspected aqueous film forming foam (AFFF) release areas at Whiteman Air Force Base (AFB) (Figure 1, Appendix A). The purpose of the inspections was to determine the presence or absence of perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS), and perfluorobutane sulfonate (PFBS) in the environment at these areas. PFOA, PFOS, and PFBS are included in a class of synthetic fluorinated chemicals used in industrial and consumer products, including defense-related applications. This class of compounds is also referred to as per- and polyfluorinated alkyl substances (PFAS).

In 1970, the United States Air Force (USAF) began using AFFF firefighting agents containing PFOS and PFOA to extinguish petroleum fires. Releases of AFFF to the environment routinely occur during fire training, equipment maintenance, storage, and use. Although manufacturers have reformulated AFFF to eliminate PFOS, the USAF maintains a significant inventory of PFOS-based AFFF. As of this report, the USAF is actively removing PFOS-based AFFF from its inventory and replacing it with formulations based on shorter carbon chains, which may be less persistent and bioaccumulative in the environment.

SIs were conducted at Whiteman AFB in October 2017 and were in accordance with contract requirements (USACE, July 2015), a quality assurance project plan (QAPP) (ASL, January 2016) and a site-specific addendum to the QAPP (ASL, September 2017). The QAPP and QAPP addendum were prepared in accordance with United States Environmental Protection Agency (EPA) guidance (EPA, March 2012) and Air Force Civil Engineer Center requirements. The Missouri Department of Natural Resources (MDNR) commented on the QAPP. All comments were addressed as noted in their 10 October 2017 correspondence.

The objectives of the SIs were to:

- determine if a confirmed release of PFOS, PFOA, or PFBS has occurred at the areas selected for inspection;
- determine if PFOS and PFOA are present in groundwater or surface water at the inspection areas at concentrations exceeding the EPA lifetime health advisory (HA) for drinking water;
- determine if PFBS is present in soil, sediment, groundwater, or surface water at the inspection areas at concentrations exceeding generic Regional Screening Levels (RSLs),
- determine if PFOA and PFOS are present in soil or sediment at the inspection areas at concentrations exceeding calculated RSLs,
- identify potential receptor pathways with immediate impacts to human health, and
- recommend courses of action with respect to future PFOS/PFOA characterization.

This report identifies any releases of AFFF that resulted in PFOS, PFOA, or PFBS contamination in the environment above the project screening levels and any possible human exposure to drinking water above the HA levels. The report does not include assessment of ecological exposure pathways, receptors, or risk from PFAS impacts to the environment. Confirmed releases may require further investigation to fully delineate the extent of contamination and perform a complete risk assessment that includes ecological receptors.

Screening levels for this SI were determined for PFOS, PFOA, and PFBS. The screening levels for PFOS and PFOA in soil and sediment were calculated using EPA's RSL calculator (https://epaprgs.ornl.gov/cgi-bin/chemicals/csl_search) based on a hazard quotient (HQ) of 0.1 (Appendix B). The toxicity value input for the calculator was the Tier 3 value reference dose of 0.00002 milligrams per kilograms per day derived by EPA in its Drinking Water Health Advisories for PFOS and PFOA (EPA, May 2016a and 2016b). Screening levels for PFOS and PFOA in groundwater and surface water are based on EPA lifetime drinking water HAs for PFOS (EPA, May 2016a) and PFOA (EPA, May 2016b). A PFAS release was considered confirmed when exceedances of the following concentrations were identified:

PFOS:
- 0.07 micrograms per liter (µg/L) in groundwater/surface water (combined with PFOA value).
- 126 micrograms per kilogram (µg/kg) in soil/sediment (calculated RSL).

PFOA:
- 0.07 µg/L in groundwater/surface water (combined with PFOS value).
- 126 µg/kg in soil/sediment (calculated RSL).

EPA has also derived RSLs for PFBS, for which there is a Tier 2 toxicity value (Provisional Peer Reviewed Toxicity Value). The USAF also considered a release to be confirmed if exceedances of the following RSL concentrations (HQ = 0.1) were identified:

PFBS:
- 40 µg/L in groundwater/surface water (tap water).
- 130,000 µg/kg in soil/sediment (residential soil).

Published generic regional and calculated screen levels presented in the QAPP and QAPP addendum were based on an HQ of 1.0. The screening levels have subsequently been revised to reflect an HQ of 0.1. This change affects PFBS screening levels for all media and calculated PFOS and PFOA screening levels for soil and sediment, as indicated in Table 1. Screening levels for PFOA and PFOS in groundwater and surface water remain at 0.07 µg/L and are based on the EPA lifetime HA for drinking water. Table 1 presents the screening values for comparing the analytical results for each of the PFAS compounds.

Table 1 Regulatory Screening Values

Parameter	Chemical Abstract Number	EPA Regional Screening Level Table (May 2018) [a]		Calculated Screening Level for Soil and Sediment[b] (µg/kg)	EPA Health Advisory for Drinking Water (Surface Water or Groundwater)[c] (µg/L)
		Residential Soil (µg/kg)	Tap Water (µg/L)		
Perfluorobutane sulfonate (PFBS)[c]	29420-43-3	130,000	40	NA	NL
Perfluorooctanoic acid (PFOA)	335-67-1	NL	NL	126	0.07[d]
Perfluorooctane sulfonate (PFOS)	1763-23-1	NL	NL	126	

[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening levels calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search) for residential soil.
[c]EPA, May 2016a. "Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)" and EPA, May 2016b. "Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA)."
[d]The EPA health advisory value for drinking water of 0.07 µg/L applies to the combined concentrations of PFOS and PFOA.
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
EPA = Environmental Protection Agency
NA = not applicable
NL = not listed
RSL = regional screening level

The preliminary assessment (PA) for PFAS at Whiteman AFB was conducted by CH2M Hill during the week of September 8, 2015 (CH2M Hill, October 2015). The PA identified four AFFF areas (now identified as AFFF Areas 1 through 4) that warranted an SI to determine the presence or absence of PFAS. The identified areas are listed in Table 2 and shown on Figure 2 in Appendix A.

Table 2 AFFF Areas and Selection Rationale for Site Inspections at Whiteman Air Force Base

AFFF Area	Location	Associated Existing IRP ID	Rationale	Media of Concern
1	WWTP Holding Ponds	New site	• Wastewater treatment ponds for high-strength wastewater discharges from locations that store AFFF on base.	Subsurface soil Groundwater Sediment Surface water
2	Outfall 001[1]	New site	• WWTP effluent is discharged to Outfall 001. • Water from holding ponds that may contain AFFF is routed through the WWTP.	Surface soil Subsurface soil Groundwater Sediment Surface water
3	Former FTA (FT-02)	FT-02	• Unknown amounts of suspected AFFF released. • Potential for soil and groundwater contamination with PFAS. • Containment unknown.	Subsurface soil Groundwater
4	Former FTA (FT-16)	FT-16	• Unknown amounts of suspected AFFF released. • Potential for soil and groundwater contamination with PFAS. • Containment unknown.	Surface soil Subsurface soil Groundwater

[1]Outfall 001 was incorrectly identified as Outfall 1A in the PA (CH2M Hill, October 2015).
AFFF = aqueous film forming foam
FTA = fire training area
ID = identification
IRP = Installation Restoration Program
WWTP = wastewater treatment plant

2.0 AREA DESCRIPTIONS

2.1 WHITEMAN AIR FORCE BASE

Whiteman AFB is in east central Johnson County, Missouri, and encompasses 4,677 acres of government-owned, leased, or easement land. The base is bordered by agricultural land to the south and east, Knob Noster State Park and low-density residential areas to the west, and the community of Knob Noster to the north (CH2M Hill, February 2005).

The base is in the Osage Plains physiographic province, a region consisting of gently undulating hills, broadly eroded valleys, and dissected uplands. The Osage Plains province is just below the southern limit of Pleistocene glaciation and was essentially unaffected by direct glacial geomorphological processes. The topography at the Base is flat and slow draining. The presence of the Ardmore limestone (a member of the Cherokee Group), which is highly resistant to weathering, accounts for the nearly level topography at the base (Halliburton NUS Corporation [Halliburton], July 1994).

Johnson County, Missouri, has a humid continental climate with hot summers and no dry season. Annual temperatures range from 21 degrees Fahrenheit to 90 degrees Fahrenheit. The average January high is 40 degrees Fahrenheit, and the average low is 18 degrees Fahrenheit; the average July high is 89 degrees

Fahrenheit, and the average low is 67 degrees Fahrenheit. The area receives an average of 42.93 inches of precipitation a year. January is the driest month, with an average of 1.1 inches of precipitation, and June is the wettest, with an average of 5.87 inches (ASL, October 2017).

2.2 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

The wastewater treatment plant (WWTP) holding ponds are west of State Highway 23 and northwest of the WWTP, as shown on Figure 2 in Appendix A. The clay-lined ponds (Figure 3, Appendix A) were constructed in 1997 to provide additional metals reduction and cyanide treatment to wastewater.

When releases of AFFF occur at buildings and hangars on base, the industrial wastewater containing AFFF is routed through the industrial wastewater system to the WWTP holding ponds. The AFFF-impacted wastewater initially bypasses the WWTP and is discharged to the northernmost holding pond, where it slowly transfers into the southern holding pond. After wastewater containing AFFF is treated using natural means (sunlight) in the WWTP holding ponds to a level that will not cause a WWTP upset in the treatment train, it is then returned to the main WWTP. This wastewater needs to be no more than 90 milligrams per liter of biochemical oxygen demand prior to its return to the headworks to prevent upset at the WWTP. This wastewater is returned either by gravity or by a wastewater pump at a rate of no more than 50 gallons per minute until the cell(s) are empty. After the wastewater is diluted at the headworks, it receives full treatment as it is routed through the normal treatment train and is discharged at Outfall 001 (AFFF Area 2). Treated wastewater is also routed to an irrigation pond on the base golf course (north of the holding ponds), however, the WWTP superintendent indicated AFFF-impacted wastewater has not been routed to the irrigation pond. Although PFASs are not removed by current treatment processes at the WWTP, dilution would occur during treatment (ASL, October 2017).

Media potentially impacted by PFAS at the WWTP holding ponds include subsurface soil, groundwater, sediment, and surface water. Surface soil was not sampled because borings were completed on the surrounding berms, where surface impacts would be unlikely.

2.3 OUTFALL 001 – AFFF AREA 2

Outfall 001, a National Pollutant Discharge Elimination System (NPDES)-permitted outfall (Permit # MO-0029378), is west of State Highway 23 and adjacent to the WWTP as shown on Figures 2 and 3 in Appendix A. The outfall includes a concrete weir and NPDES sample collection area on the west side of the WWTP. Originally, the outfall discharged through an open, riprap-lined ditch to Brewer Branch Creek, approximately 430 feet south; in 2010, the ditch was replaced with a buried pipe.

Because PFASs are not removed by current treatment processes at the WWTP, PFAS-impacted effluent has been discharged at Outfall 001 when industrial wastewater from the WWTP holding ponds has been released through the WWTP. The total amount of potential AFFF discharged is unknown; however, PFAS-impacted wastewater mixes with other water at the WWTP, reducing the concentrations of PFAS discharged. Prior to 2010, WWTP effluent discharged via the open ditch, so WWTP effluent has likely infiltrated the subsurface along the length of the ditch, impacting the underlying soil and/or groundwater.

Media potentially impacted by PFAS at Outfall 001 includes surface soil, subsurface soil, groundwater, sediment, and surface water (ASL, September 2017).

2.4 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

The site of former Fire Training Area (FTA) FT-02 is at the intersection of Arnold Avenue and Vandenberg Avenue/ Perimeter Road as shown on Figure 4 in Appendix A. The site is now occupied by the Missouri Army National Guard Army Aviation Support Facility and helipad. Most of the former FTA has been covered by the helipad.

Former structures at FT-02 included two burn pits, an underground fuel storage tank, and a lined pond with an oil/water separator. Operations began at FT-02 with the construction and use of Burn Pit 1 in the mid-1960s. Burn Pit 2 was constructed after 1988, and fire training exercises ceased at FT-02 in 1992. Although the PA could not confirm the use of AFFF at FT-02, use of AFFF was considered likely because the FTA was in use from the mid-1960s until 1992, and the USAF began using AFFF in 1970.

FT-02 is an Installation Restoration Program (IRP) site for Whiteman AFB, and the contaminant of concern was benzene. Remediation activities included excavating soil and conducting long-term monitoring. In 2005, the Record of Decision (ROD) identified institutional controls and groundwater monitoring as the remedies for this location. A ROD Amendment in 2011 discontinued groundwater monitoring at the location. Media potentially impacted by PFAS at the former FTA include subsurface soil and groundwater (ASL, October 2017). Surface soil was not identified as a media of concern because impacted soil was removed during previous remediation at the former FTA and most of the site has been covered by the helipad.

2.5 FORMER FIRE TRAINING AREA FT-16 – AFFF AREA 4

Former FTA FT-16 was southwest of the intersection of Vandenberg Avenue and Arnold Avenue near Buildings 1750, 1751, and 1753, as shown on Figure 5 in Appendix A. Approximately one-third of the area is covered by a concrete parking area; the remainder is level grassed lawn.

FT-16 has never been confirmed as a former FTA; however, a 1955 high-altitude aerial photograph of the area showed the outline of an apparent FTA. The FTA is an IRP site that has been closed with no further action (ASL, October 2017). Low concentrations of trichloroethene and related volatile organic compounds were detected in groundwater at the site.

It is unknown when or if AFFF was used at FT-16. Because FT-02 was put in operation in the mid-1960s, it seems unlikely that the two FTAs would have remained in operation concurrently. Training activities at FT-16 likely ceased in the 1960s (when FT-02 was put in operation) before the USAF began use of AFFF in 1970. The PA recommended an SI, however, as a conservative measure. Media potentially impacted by PFAS at the former FTA include surface soil, subsurface soil, and groundwater.

3.0 FIELD ACTIVITIES AND FINDINGS

ASL conducted SI field activities at Whiteman AFB between October 24 and October 31, 2017. Fieldwork was conducted in accordance with the QAPP (ASL, January 2016) and the base-specific field sampling plan addendum to the QAPP (ASL, October 2017). A readiness review was conducted for all field personnel prior to mobilizing to the site. The readiness review (included in Appendix C) covered anticipated hazards, types and proper use of equipment needed for the field activities, sampling procedures, and procedures to be used to prevent cross-contamination of samples with PFAS-containing compounds.

3.1 FIELD ACTIVITIES AND SAMPLING PROCEDURES

3.1.1 Sampling Methodology

Field activities included collecting surface and subsurface soil samples, installing monitoring wells, collecting groundwater samples, and collecting surface water and sediment samples. Sample locations were selected in areas most likely to have been impacted by known or suspected AFFF releases. Soil borings were advanced with a track-mounted, compact sonic drill rig.

Soil cores were collected by advancing a 4-inch, inner core barrel to the desired sample depth (typically in 5-foot or 10-foot intervals) and overdrilling with a 6-inch outer casing. The core barrel and soil core were retrieved, leaving the 6-inch outer casing to maintain the integrity of the borehole. Soil cores were then vibrated from the core barrel into plastic sleeves for logging, field screening, and sample collection. Prior to logging, slits were cut in the sample sleeve and the soil cores screened with a photoionization detector (PID). After recording the PID readings on the boring log, the soil core was measured and the recovered length recorded in the boring log. The sample sleeve was then opened and the core visually logged. All borings were logged by a trained geologist (with a degree from an accredited university) experienced in describing soil core and overseen by a senior geologist. The soil descriptions were in accordance with the *Geology Supplement to the Scope of Services* (revised June 2013) and followed the general format:

- Color (using Munsell soil color charts);
- Soil type (fat clay, lean clay, sand, silty gravel, etc.);
- Grading, grain size, consistency/density, moisture content, cementing;
- Other notable features (staining, organics, fossils, odors, etc.); and
- Unified Soil Classification System (USCS) symbol (CH, CL, SP, GM, etc.).

Surface soil samples were collected from 0 to 6 inches below ground surface (bgs) with a combination of stainless steel hand augers and stainless steel spoons. Subsurface soil samples were collected immediately above the water saturated/ unsaturated soil interface either with hand augers or from the soil core generated during sonic drilling.

To provide basic soil parameter information, ASL also collected representative composite surface soil and subsurface soil samples for physiochemical parameters from each area. These analyses included potential of hydrogen (pH), particle size distribution, percent solids, and total organic carbon (TOC), as summarized in Table E-1 in Appendix E.

3.1.2 Monitoring Well Installation

Seven groundwater monitoring wells were installed during the field activities for this SI. Three wells were installed at AFFF Area 1, one well was installed at AFFF Area 2, and three wells were installed at AFFF Area 3. Three planned wells at AFFF Area 4 were not installed because groundwater was not encountered in the surficial (overburden) aquifer. Each of the three borings completed at AFFF Area 4 encountered bedrock (shale) and did not intercept groundwater above bedrock. No indication of significant moisture was detected in soil cores. Completed borings were left open to determine if groundwater was present. WHTMN04-002 (completed on October 25, 2017) was left open for three days, and borings WHTMN04-001 and WHTMN04-003 (both completed on October 27, 2017) were left open overnight. No measurable water was detected in the open boreholes when checked on October 28, 2017. Bedrock underlying Whiteman AFB is a shale unit that inhibits downward migration of impacted groundwater. As instructed by the base, to maintain the integrity of the shale and prevent the creation of a potential pathway from the surficial aquifer to underlying bedrock aquifers, all borings were terminated at the top of the shale unit and all well screens were installed in overburden. This approach is consistent with other geological investigations that have been conducted at Whiteman AFB.

All of the wells were constructed with 2-inch-diameter, 10-foot long schedule 40 polyvinyl chloride (PVC) screens (continuous wrap 0.010-inch slot) and risers with flush threads. Sand filter packs were installed by tremieing the sand through the outer sonic casing and vibrating it in place. All wells were installed with flush-mount completions at ground surface. Boring logs and well construction diagrams are included in Appendix C.

Construction details for the seven newly installed wells are summarized in Table G-1 in Appendix G. Sampling was conducted at least 24 hours after development. The presence of groundwater above the shale bedrock was inconsistent across the four AFFF areas. At AFFF Area 1, well WHTMN01-MW001 was dry and wells WHTMN01-MW002 and WHTMN01-MW003 produced very little water. At AFFF Area 2, well WHTMN02-MW001 produced water. At AFFF Area 3, wells WHTMN03-MW002 and WHTMN03-MW003 also produced water while well WHTMN03-MW001 produced very little water. Borings at AFFF Area 4 did not encounter groundwater above bedrock, so no wells were installed.

The three wells that produced adequate water (WHTMN02-MW001, WHTMN03-MW002, and WHTMN03-MW003) were developed and groundwater samples were collected with peristaltic pumps and disposable polyvinyl tubing using low-flow sampling methodology. Monitoring wells were developed until the column of water in the well was free of visible sediment and/or pH, temperature, turbidity, and specific conductivity stabilized. The three wells that produced very little water (WHTMN01-MW002, WHTMN01-MW003, and WHTMN03-MW001) could not be developed, and samples were collected using polyethylene bailers because of poor recharge. Sediment samples were collected using a combination of dip samplers and stainless steel spoons. Surface water samples were collected directly from surface water bodies into the sample containers. Well development logs, groundwater sampling logs, and sample collection forms are included in Appendix C.

Samples were submitted via overnight courier to Maxxam Analytics International Corporation of Mississauga, Ontario, Canada, under chain of custody procedures. The samples were analyzed by modified EPA Method 537, "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry." Eighteen PFAS compounds are included in this analysis; however, only the three analytes listed below have health-based screening levels associated with them.

Analyte	*CAS Number
Perfluorobutane sulfonate (PFBS)	29420-43-3
Perfluorooctanoic acid (PFOA)	335-67-1
Perfluorooctane sulfonate (PFOS)	1763-23-1

*CAS = Chemical Abstracts Service

Laboratory case narratives and analytical data sheets are presented in Appendix D.

3.1.3 Data Quality

Third-party data validation was conducted on 100% of the analytical data. Precision and accuracy calculations are based on the total number of data records validated; each analyte result is considered a data record, and 594 records were validated (33 samples, 18 analytes per sample). Overall, the quality of the data was acceptable; no data was rejected, and all data is considered usable for decision-making. Two records were qualified during validation. The precision (99.8%) and accuracy results (99.8%) were acceptable for the project. Further details on precision and accuracy are included in the data validation report in Appendix D.

3.1.4 Surveying

Whitehead Consultants, Inc. of Clinton, Missouri, established coordinates and elevations for soil borings and monitoring wells. Northing and easting coordinates were recorded in U.S. survey feet in the Missouri State Plane Coordinate System based on the North American Datum 1983. Elevations were recorded in feet and referenced to North American Vertical Datum 1988 (NAVD 88). Sediment and surface water sample points were recorded with a Trimble GeoX7 handheld global positioning system (GPS) unit.

Sample locations, site-specific lithology, groundwater flow direction, analytical results, and conclusions for each AFFF area are presented in Sections 3.3 through 3.6.

3.2 PFAS CROSS-CONTAMINATION AVOIDANCE PROCEDURES

Field personnel complied with PFAS cross-contamination avoidance procedures and considerations, which are included in ASL Standard Operating Procedure 028 "Field Sampling Protocols to Avoid Cross-Contamination at Perfluorinated Compounds (PFCs) Sites."

3.2.1 Field Equipment

- Teflon®-containing materials (Teflon® tubing, bailers, tape, plumbing paste, or other Teflon® materials) were not used because Teflon® contains fluorinated compounds.
- High-density polyethylene (HDPE) and silicon materials are acceptable.
- Peristaltic pumps or polyethylene bailers were used to sample groundwater. Pumps with Teflon® impellers, such as Grundfos RediFlo pumps, were not used.
- Field notes were recorded in a bound logbook that did not have waterproof paper.
- All personnel changed gloves between recording and sampling activities to prevent cross-contamination.
- Post-It Notes® were not allowed on site.
- Only Sharpie® brand markers were used. Pens were used to document field activities in the logbooks and on field forms, to label sample containers, and to prepare the chains of custody.
- Chemical (blue) ice packs were not used to store samples, food, or drinks.

3.2.2 Field Clothing and Personal Protective Equipment

- The sampling personnel wore field clothing made of synthetic and natural fibers (preferably cotton). The clothing had to have been laundered at least six times without using a fabric softener since it was purchased. New clothing was not allowed because it could contain PFAS-related treatments.
- Only rain gear made from polyurethane and wax-coated materials was allowed.
- Clothing or boots containing Gore-Tex™ was not allowed because it consists of a PFAS membrane.
- Tyvek® clothing was not allowed on site because it contains fluorinated compounds.
- Disposable nitrile gloves were worn at all times when field activities were being conducted, and a new pair was donned prior to the following activities at each sample location:
    - Decontamination of reusable sampling equipment;

  - Contact with sample bottles or water containers;
  - Insertion of anything into the well (HDPE tubing, bailer, etc.);
  - Insertion of silicon tubing into the peristaltic pump;
  - Completion of monitor well purging;
  - Sample collection; and
  - Handling of any quality assurance/QC samples, including field blanks and equipment blanks.
- A new pair of nitrile gloves was worn after handling any non-dedicated sampling equipment, after contact with surfaces that had not been decontaminated, or when field personnel thought it was necessary.

3.2.3 Sample Containers

- All samples were collected in polypropylene or HDPE bottles with screw caps made of the same materials. The liners of lined screw caps were not made of Teflon® and did not contain PFASs.
- Glass sample containers were not used.
- Container labels were completed using a Sharpie® pen after the caps had been placed on each bottle.

3.2.4 Equipment Decontamination

Field sampling equipment, including oil/water interface meters and water level indicators, were decontaminated using Alconox® or Liquinox® soap. Decon 90® was not used during decontamination activities. Laboratory-certified PFAS-free water was used for the final decontamination rinse of sampling equipment. Larger equipment, such as drill rigs, was decontaminated using potable water and a high-pressure washer and then rinsed with potable water.

3.2.5 Personnel Hygiene

- Field personnel did not use cosmetics, moisturizers, hand cream, or other related products as part of their personal hygiene routine before a sampling event because these products may contain surfactants and be a potential source of PFASs.
- Because many manufactured sunblock and insect repellants contain PFASs, only sunblock and insect repellants that contain 100% natural ingredients were allowed.
- For restroom breaks, field personnel left the exclusion zone (EZ) before removing PPE. Before returning to the EZ, field personnel washed as normal, allowing extra time to rinse with water after using soap. Field personnel used a mechanical dryer to avoid using paper towels if possible.

3.2.6 Food Considerations

Field personnel did not eat or drink inside the EZ.

3.2.7 Visitors

Site visitors remained outside the EZ during all sampling activities.

3.3 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

3.3.1 Sample Locations

To assess PFAS impacts from inflow of AFFF-impacted wastewater to the WWTP holding ponds, three subsurface soil samples, two groundwater samples, three sediment samples (two primary and one duplicate), and three surface water samples (two primary and one duplicate) were collected. Subsurface soil samples were collected at soil borings WHTMN01-001, WHTMN01-002, and WHTMN01-003. Groundwater samples were collected from monitoring wells WHTMN01-MW002 and WHTMN01-MW003 installed in the soil borings. WHTMN01-MW001 was dry and could not be sampled. Sediment and surface water samples were collected at WHTMN01-004 and WHTMN01-005. Sediment sample locations were backfilled with bentonite chips after the samples were collected to maintain the integrity of the clay liner. Surface soil samples were not collected from the borings because borings were completed on the pond berms and likely not impacted by wastewater in the ponds. Sample locations for AFFF Area 1 are shown on Figure 3 in Appendix A.

3.3.2 Soil Description and Lithology

Soil borings WHTMN01-001, WHTMN01-002, and WHTMN01-003 were terminated at depths of 32 feet bgs, 20 feet bgs, and 20 feet, respectively. Borings were completed on berms around the holding ponds to avoid penetrating the pond clay liners. Soils encountered in these borings consisted of 12 to 22 feet of clay fill (placed during construction of the ponds) underlain by clay residuum. Each boring was terminated when shale was encountered. Primary soil types and USCS designations encountered included fat clay (CH) and lean clay (CL). Detailed boring logs are included in Appendix C.

3.3.3 Groundwater Flow

Groundwater level measurements were collected from monitoring wells WHTMN01-MW001, WHTMN01-MW002, and WHTMN01-MW003 at the WWTP holding ponds on October 31, 2017, as summarized in Table F-1 in Appendix F. Groundwater was detected at a depth of 17.67 feet below top of casing (btoc) at WHTMN01-MW002 (elevation 809.99 feet, NAVD 88) and at 15.08 feet btoc at WHTMN01-MW003 (elevation 812.19 feet, NAVD 88). No water was detected at WHTMN01-MW001. The groundwater elevation at monitoring well WHTMN02-MW001 at Outfall 001 (AFFF Area 2) (approximately 1000 feet south and 40 feet lower in ground surface elevation) was elevation 777.42 feet, NAVD 88. Based on groundwater levels in these wells, groundwater flow mimics topography and flows toward existing surface drainage features, flowing south/ southeast at WHTMN01-MW002 and south/southwest at WHTMN01-MW003 as indicated on Figure 3 in Appendix A.

3.3.4 Analytical Results

Subsurface Soil
Three subsurface soil samples were collected from soil borings WHTMN01-001, WHTMN01-002, and WHTMN01-003 at the WWTP holding ponds. PFOS and PFOA were not detected in any of the samples. PFBS was detected in one sample (WHTMN01-002-SO-014) at a concentration below the screening level. Subsurface soil analytical results are summarized in Table 3 and shown on Figure 6 in Appendix A.

Table 3 Wastewater Treatment Plant Holding Ponds (AFFF Area 1)
Subsurface Soil Analytical Results

	Sample ID	**WHTMN01-001-SO-024**	**WHTMN01-002-SO-014**	**WHTMN01-003-SO-014**
	Date Sampled	**10/24/17**	**10/25/17**	**10/24/17**
	Depth (ft bgs)	**24 - 25**	**14 - 15**	**14 - 15**
Analyte	**Screening Level (µg/kg)**	**Result (µg/kg)**	**Result (µg/kg)**	**Result (µg/kg)**
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.55 U	**1.4**	0.66 U
Perfluorooctanoic acid (PFOA)	126[b]	0.88 U	0.58 U	0.66 U
Perfluorooctane sulfonate (PFOS)	126[b]	0.88 U	0.58 U	0.66 U

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening levels calculated using the EPA Regional Screening Level Calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search)
µg/kg = micrograms per kilogram
bgs = below ground surface
ID = identification
WHTMN = ERPIMS Code for Whiteman Air Force Base
AFFF = aqueous film forming foam
ft = foot or feet
SO = subsurface soil
U = analyte was not detected above the reported value

Soil Physiochemical Analyses
To provide basic soil parameter information, a composite subsurface soil sample was collected from the WWTP soil borings and submitted for pH, TOC, percent solids, and grainsize analysis. Subsurface soil sample WHTMN01-006-SO-017 was composed of equal aliquots of soil collected from the borings WHTMN01-001, WHTMN01-002, and WHTMN01-003 at depths of 24 to 25 feet bgs, 14 to 15 feet bgs, and 14 to 15 feet bgs, respectively. Table E-1 summarizing the physiochemical data and supporting laboratory data sheets are included in Appendix E.

Groundwater
Groundwater samples were collected from monitoring wells WHTMN01-MW002 and WHTMN01-MW003 installed at the WWTP Holding Ponds. Monitoring well WHTMN01-MW001 was dry and could not be sampled. PFBS was detected in both samples at concentrations below the screening level. PFOA and PFOS were both detected above the screening level at WHTMN01-MW002 at a combined concentration of 0.56 µg/L. PFOA and PFOS were also detected at WHTMN01-MW003, but at a combined concentration of 0.053 µg/L, below the screening level. Groundwater analytical results are summarized in Table 4 and shown on Figure 7 in Appendix A.

Table 4 Wastewater Treatment Plant Holding Ponds (AFFF Area 1) Groundwater Analytical Results

	Sample ID	WHTMN01-MW001	WHTMN01-002-GW-018	WHTMN01-003-GW-015
	Date Sampled	N/A	10/30/17	10/30/17
	Screened Interval (ft bgs)	N/A	8.5 - 18.5	5.9 - 15.9
Analyte	Screening Level (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
Perfluorobutane sulfonate (PFBS)	40[a]	Dry	**1.7**	**0.23**
Perfluorooctanoic acid (PFOA)	0.07[b]		**0.16**	**0.031**
Perfluorooctane sulfonate (PFOS)	0.07[b]		**0.40**	**0.022**
PFOS + PFOA	0.07[c]		**0.56**	**0.053**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]EPA, May 2016a. *Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)* and EPA, May 2016b. *Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA)*.
[c]The EPA Health Advisory value for drinking water of 0.07 µg/L applies to the combined detected concentrations of PFOS and PFOA.
µg/L = micrograms per liter
bgs = below ground surface
GW = groundwater
MW = monitoring well
WHTMN = ERPIMS code for Whiteman Air Force Base
AFFF = aqueous film forming foam
ft = foot or feet
ID = identification
N/A = not applicable

Sediment

Sediment samples were collected from within both WWTP holding ponds at WHTMN01-004 and WHTMN01-005. Where detected, PFBS and PFOA concentrations were below their respective screening levels. PFOS was detected in both primary samples at concentrations of 4,500 µg/kg and 4,900 µg/kg and in the duplicate sample at a concentration of 4,600 µg/kg, all above the screening level. Sediment analytical results are summarized in Table 5 and shown on Figure 6 in Appendix A.

Table 5 Wastewater Treatment Plant Holding Ponds (AFFF Area 1) Sediment Analytical Results

	Sample ID	WHTMN01-004-SD-001	WHTMN01-004-SD-901 (dup)	WHTMN01-005-SD-001
	Date Sampled	10/24/17	10/24/17	10/24/17
	Depth (ft bgs)	0 - 0.5	0 - 0.5	0 - 0.5
Analyte	Screening Level (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)
Perfluorobutane sulfonate (PFBS)	130,000[a]	**15**	**11 J**	**6.2 J**
Perfluorooctanoic acid (PFOA)	126[b]	**8.7 J**	9.6 U	**7.9 J**
Perfluorooctane sulfonate (PFOS)	126[b]	**4,500**	**4,600**	**4,900**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per liter
bgs = below ground surface
ft = foot or feet
J = reported concentration is an estimated value
U = analyte was not detected above the reported value
AFFF = aqueous film forming foam
dup = duplicate
ID = identification
SD = sediment

Surface Water

Surface water samples were collected from within both WWTP holding ponds at WHTMN01-004 and WHTMN01-005. PFBS was detected in both primary samples and in the duplicate sample at concentrations below the 40 µg/L screening level. PFOS and PFOA were detected in both primary samples at combined concentrations of 66.2 µg/L and 140 µg/L, and in the duplicate sample at a concentration of 75.4 µg/L, all above the screening level. Surface water analytical results are summarized in Table 6 and shown on Figure 7 in Appendix A.

Table 6 Wastewater Treatment Plant Holding Ponds (AFFF Area 1) Surface Water Analytical Results

	Sample ID	WHTMN01-004-SW-001	WHTMN01-004-SW-901 (dup)	WHTMN01-005-SW-001
	Date Sampled	10/24/17	10/24/17	10/24/17
Analyte	Screening Level (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
Perfluorobutane sulfonate (PFBS)	40[a]	**8.6**	**9.4**	**3.9**
Perfluorooctanoic acid (PFOA)	0.07[b]	**1.2**	**1.4**	1.0 U
Perfluorooctane sulfonate (PFOS)	0.07[b]	**65**	**74**	**140**
PFOS + PFOA	0.07[c]	**66.2**	**75.4**	**140**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]EPA, May 2016a. *Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA)* and EPA, May 2016b. *Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)*.
[c]The EPA Health Advisory value for drinking water of 0.07 µg/L applies to the combined detected concentrations of PFOS and PFOA.
µg/L = micrograms per liter
dup = duplicate
SW = surface water
WHTMN = ERPIMS code for Whiteman Air Force Base
AFFF = aqueous film forming foam
ID = identification
U = analyte was not detected above the reported value

3.3.5 Conclusions

Discharge of AFFF-impacted wastewater from buildings and hangars on base to the WWTP holding ponds has resulted in releases of PFAS to the environment. Media impacted by PFAS above screening levels at AFFF Area 1 include groundwater, sediment, and surface water.

3.4 Outfall 001 – AFFF Area 2

3.4.1 Sample Locations

To assess PFAS impacts from wastewater discharged from the WWTP to Outfall 001, surface and subsurface soil samples were collected at boring WHTMN02-001, and a groundwater sample was collected from monitoring well WHTMN02-MW001 installed in the boring. Co-located sediment and surface water samples were also collected at WHTMN02-002 at the outfall discharge point at Brewer Branch Creek.

3.4.2 Soil Description and Lithology

Soil boring WHTMN02-001 was terminated at a depth of 15 feet bgs in alluvial soil and above bedrock. Primary soil types and USCS designations encountered included silty sand (SM), clayey sand (SC), and clayey gravel (GC). Detailed boring logs are included in Appendix C.

3.4.3 Groundwater Flow

A water level measurement collected from monitoring well WHTMN02-MW001 near Outfall 001 detected groundwater at a depth of 6.54 feet btoc (elevation 777.42 feet, NAVD 88) as summarized in Table F-1 in Appendix F. As discussed in Section 3.3.3, groundwater levels at AFFF Area 1 wells WHTMN01-MW002 and WHTMN01-MW003 were at elevation 809.99 feet and elevation 812.19 feet, NAVD 88 respectively. Based on these groundwater elevations, groundwater flow mimics topography, flowing south/southeast toward Brewer Branch Creek as indicated on Figure 3 in Appendix A.

3.4.4 Analytical Results

<u>Surface Soil</u>
One surface soil sample was collected from soil boring WHTMN02-001 at Outfall 001. PFBS was not detected in the sample. PFOA and PFOS were detected in the sample, but at concentrations below the screening level. Surface soil analytical results are shown in Table 7 and on Figure 6 in Appendix A.

Table 7 Outfall 001 (AFFF Area 2) Surface Soil Analytical Results

	Sample ID	**WHTMN02-001-SS-001**
	Date Sampled	**10/25/17**
	Depth (ft bgs)	**0 - 0.5**
Analyte	**Screening Level (µg/kg)**	**Result (µg/kg)**
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.60 U
Perfluorooctanoic acid (PFOA)	126[b]	**0.43 J**
Perfluorooctane sulfonate (PFOS)	126[b]	**74**

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per kilogram
bgs = below ground surface
ID = identification
SS = surface soil
WHTMN = Whiteman Air Force Base
AFFF = aqueous film forming foam
ft = foot or feet
J = reported concentration is an estimated value
U = analyte was not detected above the reported value

<u>Subsurface Soil</u>
One subsurface soil sample was also collected from soil boring WHTMN02-001 at Outfall 001. PFBS and PFOA were not detected in the sample. PFOS was detected but at a concentration below the screening level. Subsurface soil analytical results are shown in Table 8 and on Figure 6 in Appendix A.

Table 8 Outfall 001 (AFFF Area 2) Subsurface Soil Analytical Results

	Sample ID	WHTMN02-001-SO-009
	Date Sampled	10/25/17
	Depth (ft bgs)	9 - 10
Analyte	**Screening Level (µg/kg)**	**Result (µg/kg)**
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.72 U
Perfluorooctanoic acid (PFOA)	126[b]	0.72 U
Perfluorooctane sulfonate (PFOS)	126[b]	**1.6**

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per liter
AFFF = aqueous film forming foam
bgs = below ground surface
ft = foot or feet
ID = identification
SO = subsurface soil
WHTMN = ERPIMS code for Whiteman Air Force Base
U = analyte was not detected above the reported value

Soil Physiochemical Analyses

To provide basic soil parameter information, a surface soil sample and a subsurface soil sample were collected from the one soil boring completed at Outfall 001 and submitted for pH, TOC, percent solids, and grainsize analysis. Surface soil sample WHTMN02-003-SS-001 was collected from boring WHTMN02-001 at a depth of 0 to 6 inches. Subsurface soil sample WHTMN02-003-SO-009 was collected at a depth of 9 to 10 feet. Table E-1 summarizing the physiochemical data and supporting laboratory data sheets are included in Appendix E.

Groundwater

A groundwater sample was collected from monitoring well WHTMN02-MW001at Outfall 001. PFBS was detected in the sample at a concentration below the screening level. PFOS and PFOA were both detected at a combined concentration of 24.30 µg/L, above the screening level. Groundwater analytical results are shown in Table 9 and on Figure 7 in Appendix A.

Table 9 Outfall 001 (AFFF Area 2) Groundwater Analytical Results

	Sample ID	WHTMN02-001-GW-009
	Date Sampled	10/29/17
	Screened Interval (ft bgs)	3.8 - 13.8
Analyte	**Screening Level (µg/L)**	**Result(µg/L)**
Perfluorobutane sulfonate (PFBS)	40[a]	**0.85**
Perfluorooctanoic acid (PFOA)	0.07[b]	**0.30**
Perfluorooctane sulfonate (PFOS)	0.07[b]	**24**
PFOS + PFOA	0.07[c]	**24.30**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]EPA, May 2016a. *Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)* and EPA, May 2016b. *Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA)*.
[c]The EPA Health Advisory value for drinking water of 0.07 µg/L applies to the combined detected concentrations of PFOS and PFOA.
µg/L = micrograms per liter
AFFF = aqueous film forming foam
bgs = feet below ground surface
ft = foot or feet
GW = groundwater
ID = identification
WHTMN = ERPIMS code for Whiteman Air Force Base

Sediment
A sediment sample was collected at WHTMN02-002 at the outfall discharge point at Brewer Branch Creek. PFBS and PFOA were not detected in the sample. PFOS was detected at a concentration below the screening level. Sediment analytical results are shown in Table 10 and on Figure 6 in Appendix A.

Table 10 Outfall 001 (AFFF Area 2) Sediment Analytical Results

	Sample ID	**WHTMN02-002-SD-001**
	Date Sampled	**10/24/17**
	Depth (ft bgs)	**0 - 0.5**
Analyte	**Screening Level (µg/kg)**	**Result (µg/kg)**
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.65 U
Perfluorooctanoic acid (PFOA)	126[b]	1.0 U
Perfluorooctane sulfonate (PFOS)	126[b]	**40 J**

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per liter
AFFF = aqueous film forming foam
bgs = below ground surface
ft = foot or feet
ID = identification
J = reported concentration is an estimated value
SD = sediment
U = analyte was not detected above the reported value
WHTMN = ERPIMS code for Whiteman Air Force Base

Surface Water
A surface water sample was also collected at WHTMN02-002. PFBS was detected at a concentration below the screening level. PFOS and PFOA were detected at a combined concentration of 2.676 µg/L, above the screening level. Surface water analytical results are shown in Table 11 and on Figure 7 in Appendix A.

Table 11 Outfall 001 (AFFF Area 2) Surface Water Analytical Results

	Sample ID	**WHTMN02-002-SW-001**
	Date Sampled	**10/24/17**
Analyte	**Screening Level (µg/L)**	**Result (µg/L)**
Perfluorobutane sulfonate (PFBS)	40[a]	**0.085**
Perfluorooctanoic acid (PFOA)	0.07[b]	**0.076**
Perfluorooctane sulfonate (PFOS)	0.07[b]	**2.6**
PFOS + PFOA	0.07[c]	**2.676**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]EPA, May 2016a. Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA) and EPA, May 2016b. Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS).
[c]The EPA Health Advisory value for drinking water of 0.07 µg/L applies to the combined detected concentrations of PFOS and PFOA.
µg/L = micrograms per liter
AFFF = aqueous film forming foam
ID = identification
SW = surface water
WHTMN = ERPIMS Code for Whiteman Air Force Base

3.4.5 Conclusions

Discharge of AFFF-impacted wastewater from the WWTP has resulted in releases of PFAS to the environment at Outfall 001. Media impacted by PFAS above screening levels at AFFF Area 2 include groundwater and surface water.

3.5 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

3.5.1 Sample Locations

To assess PFAS impacts from prior use of AFFF at FT-02, subsurface soil and groundwater samples were collected. Four subsurface soil samples (three primary and one duplicate sample) were collected at borings WHTMN03-001, WHTMN03-002, and WHTMN03-003. Four groundwater samples (three primary and one duplicate sample) were collected at monitoring wells WHTMN03-MW001, WHTMN03-MW002, and WHTMN03-MW003. Surface soil was not identified as a media of concern because impacted soil was removed during previous remediation efforts.

3.5.2 Soil Description and Lithology

Soil borings WHTMN03-001, WHTMN03-002, and WHTMN03-003 were terminated at depths of 24 feet bgs, 40 feet bgs, and 39 feet bgs respectively near the top of the underlying shale bedrock. Each boring encountered organic silt and clay overlying clay residuum. Shale was encountered in the three borings at depths of 22 feet bgs, 38.5 feet bgs, and 38 feet bgs respectively. Primary soil types and USCS designations encountered included organic silt and clay (OL), fat clay (CH), and lean clay (CL). Detailed boring logs are included in Appendix C.

3.5.3 Groundwater Flow

Groundwater level measurements were collected from monitoring wells WHTMN03-MW001, WHTMN03-MW002, and WHTMN03-MW003 at Former FTA FT-02 on October 31, 2017, as summarized in Table F-1 in Appendix F. Groundwater was detected at a depth of 6.47 feet btoc at WHTMN03-MW001 (elevation 833.60 feet, NAVD 88), at 5.08 feet btoc at WHTMN03-MW002 (elevation 835.52 feet, NAVD 88), and at 5.24 feet at WHTMN03-MW003 (elevation 834.22 feet, NAVD 88). The groundwater flow direction indicated by water level measurements from the three wells is southwest as shown on Figure 4. A base wide potentiometric surface developed from water level measurements taken in August 2004 (from wells that have since been abandoned) indicated radial groundwater flow to the north, northeast, and east, also shown on Figure 4 in Appendix A (CH2MHill, February 2005). Previous investigations conducted at FT-02 have also indicated varying groundwater flow directions (Halliburton, January 1997; Halliburton, July 1994; and Black and Veatch, January 1991) and are possibly from seasonal variations in precipitation and recharge.

3.5.4 Analytical Results

Subsurface Soil

Four subsurface soil samples (three primary and one duplicate) were collected from soil borings WHTMN03-001, WHTMN03-002, and WHTMN03-003 at Former FTA FT-02. Where detected, PFBS, PFOA, and PFOS concentrations were all below screening levels. Subsurface soil analytical results are summarized in Table 12 and shown on Figure 8 in Appendix A.

Table 12 Former Fire Training Area FT-02 (AFFF Area 3) Subsurface Soil Analytical Results

	Sample ID	WHTMN03-001-SO-021	WHTMN03-001-SO-921 (dup)	WHTMN03-002-SO-038	WHTMN03-003-SO-033
	Date Sampled	10/26/17	10/26/17	10/26/17	10/26/17
	Depth (ft bgs)	21 - 22	21 - 22	38 - 39	33 - 34
Analyte	Screening Level (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.60 U	0.50 U	**1.2**	**0.92 J**
Perfluorooctanoic acid (PFOA)	126[b]	0.60 U	0.50 U	**10**	**4.2**
Perfluorooctane sulfonate (PFOS)	126[b]	**0.61 J**	**1.4**	**9.0**	0.56 U

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per liter
bgs = below ground surface
ft = foot or feet
J = reported concentration is an estimated value
U = analyte was not detected above the reported value
AFFF = aqueous film forming foam
dup = duplicate
ID = identification
SO = subsurface soil
WHTMN = ERPIMS code for Whiteman Air Force Base

Soil Physiochemical Analyses

To provide basic soil parameter information, a subsurface soil sample was collected from the three soil borings completed at FT-02 and submitted for pH, TOC, percent solids, and grainsize analysis. The subsurface soil sample WHTMN03-004-S0-031 consisted of equal aliquots of soil from borings WHTMN03-001, WHTMN03-002, and WHTMN03-003 collected at depths of 21 to 22 feet bgs, 38 to 39 feet bgs, and 33 to 34 feet bgs, respectively. Table E-1 summarizing the physiochemical data and supporting laboratory data sheets are included in Appendix E.

Groundwater

Four groundwater samples (three primary and one duplicate) were collected from monitoring wells WHTMN03-MW001, WHTMN03-MW002, and WHTMN03-MW003 installed at Former FTA FT-02. PFBS was detected in all four samples at concentrations below the screening level. PFOA and PFOS were detected all four samples at combined concentrations ranging from 8.0 µg/L to 89 µg/L, all above the screening level. Groundwater analytical results are summarized in Table 13 and shown on Figure 9 in Appendix A.

Table 13 Former Fire Training Area FT-02 (AFFF Area 3) Groundwater Analytical Results

	Sample ID	WHTMN03-001-GW-023	WHTMN03-002-GW-033	WHTMN03-002-GW-933 (dup)	WHTMN03-003-GW-033
	Date Sampled	10/28/17	10/28/17	10/28/17	10/28/17
	Screened Interval (ft bgs)	12.6 – 22.6	28.7 - 38.7	28.7 - 38.7	28.2 - 38.2
Analyte	Screening Level (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)
Perfluorobutane sulfonate (PFBS)	40[a]	**5.5**	**7.2**	**7.4**	**5.6**
Perfluorooctanoic acid (PFOA)	0.07[b]	**6.5**	**58**	**60**	**24**
Perfluorooctane sulfonate (PFOS)	0.07[b]	**1.5**	**28**	**29**	**0.61**
PFOS + PFOA	0.07[c]	**8.0**	**86**	**89**	**24.61**

Bold values indicate analyte detected at concentration indicated.
Shaded results indicate value exceeds screening criteria.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]EPA, May 2016a. *Drinking Water Health Advisory for Perfluorooctane Sulfonate (PFOS)* and EPA, May 2016b. *Drinking Water Health Advisory for Perfluorooctanoic Acid (PFOA)*.
[c]The EPA Health Advisory value for drinking water of 0.07 µg/L applies to the combined detected concentrations of PFOS and PFOA.
µg/L = micrograms per liter
bgs = below ground surface
ft = foot or feet
ID = identification
AFFF = aqueous film forming foam
dup = duplicate
GW = groundwater
WHTMN = ERPIMS code for Whiteman Air Force Base

3.5.5 Conclusions

Apparent use of AFFF during training activities at Former FTA FT-02 has resulted in releases of PFAS to the environment. Groundwater is the only media that has been determined to be impacted above screening levels.

3.6 Former Fire Training Area FT-16 – AFFF Area 4

3.6.1 Sample Locations

To assess any potential PFAS impacts from possible use of AFFF at FT-16, four surface soil samples (three primary and one duplicate sample) and three subsurface soil samples were collected at borings WHTMN04-001, WHTMN04-002, and WHTMN04-003. Planned groundwater samples at these locations could not be collected because groundwater was not encountered above bedrock, and no wells were installed.

3.6.2 Soil Description and Lithology

Soil borings WHTMN04-001 and WHTMN04-002 were terminated at a depth of 25 feet; and boring WHTMN04-003 was terminated at a depth of 27 feet bgs. Each boring encountered organic silt and clay overlying clay residuum. Siltstone was encountered in each of the three borings at depths of 14 feet bgs, 12.5 feet bgs, and 13.5 feet bgs respectively. Shale was encountered below the siltstone at depths of 24 feet bgs, 20 feet bgs, and 20 feet bgs respectively. Primary soil types and USCS designations encountered included organic silt and clay (OL), fat clay (CH), and lean clay (CL). Detailed boring logs are included in Appendix C.

3.6.3 Groundwater Flow

Groundwater was not encountered in the three borings completed at Former FTA FT-16. A basewide potentiometric surface developed from water level measurements taken in August 2004 (from wells that have since been abandoned) indicates radial groundwater flow to the north, northeast, and east at Former FT-16, as shown on Figure 5 in Appendix A (CH2MHill, February 2005).

3.6.4 Analytical Results

Surface Soil

Four surface soil samples (three primary and one duplicate) were collected from soil borings WHTMN04-001, WHTMN04-002, and WHTMN04-003 at Former FTA FT-16. PFBS and PFOA were not detected in any of the samples collected. PFOS was detected in two primary samples and one duplicate sample below the screening level. Surface soil analytical results are summarized in Table 14 and shown on Figure 10 in Appendix A.

Table 14 Former Fire Training Area FT-16 (AFFF Area 4) Surface Soil Analytical Results

	Sample ID	WHTMN04-001-SS-001	WHTMN04-001-SS-901 (dup)	WHTMN04-002-SS-001	WHTMN04-003-SS-001
	Date Sampled	10/27/17	10/27/17	10/25/17	10/25/17
	Depth (ft bgs)	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Analyte	Screening Level (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.66 U	0.66 U	0.66 U	0.66 U
Perfluorooctanoic acid (PFOA)	126[b]	0.66 U	0.66 U	0.66 U	0.66 U
Perfluorooctane sulfonate (PFOS)	126[b]	**1.4**	**0.73 J**	**0.65 J**	0.66 U

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per kilogram
bgs = feet below ground surface
ft = foot or feet
J = reported concentration is an estimated value
U = analyte was not detected above the reported value
AFFF = aqueous film forming foam
dup = duplicate
ID = identification
SS = surface soil
WHTMN = ERPIMS code for Whiteman Air Force Base

Subsurface Soil

Three subsurface soil samples were collected from soil borings WHTMN04-001, WHTMN04-002, and WHTMN04-003 at Former FTA FT-16. PFBS, PFOA, and PFOS were not detected in any of the three subsurface soil samples. Subsurface soil analytical results are summarized in Table 15 and shown on Figure 10 in Appendix A.

Table 15 Former Fire Training Area FT-16 (AFFF Area 4) Subsurface Soil Analytical Results

	Sample ID	WHTMN04-001-SO-024	WHTMN04-002-SO-024	WHTMN04-003-SO-024
	Date Sampled	10/27/17	10/25/17	10/27/17
	Depth (ft bgs)	24 - 25	24 - 25	24 - 25
Analyte	Screening Level (µg/kg)	Result (µg/kg)	Result (µg/kg)	Result (µg/kg)
Perfluorobutane sulfonate (PFBS)	130,000[a]	0.59 U	0.51 U	0.58 U
Perfluorooctanoic acid (PFOA)	126[b]	0.59 U	0.51 U	0.58 U
Perfluorooctane sulfonate (PFOS)	126[b]	0.59 U	0.51 U	0.58 U

Bold values indicate analyte detected at concentration indicated.
[a]EPA Regional Screening Levels (May 2018) (https://semspub.epa.gov/work/HQ/197235.pdf).
[b]Screening level calculated using the EPA RSL calculator (https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search).
µg/kg = micrograms per kilogram
AFFF = aqueous film forming foam
bgs = below ground surface
ft = foot or feet
ID = identification
U = analyte was not detected above the reported value
WHTMN = ERPIMS code for Whiteman Air Force Base

Soil Physiochemical Analyses

To provide basic soil parameter information, composite surface and subsurface soil samples were collected from Former FTA FT-16 soil borings and submitted for pH, TOC, percent solids, and grainsize analysis. The surface soil sample (WHTMN04-004-SS-001) was composed of equal aliquots of soil collected from borings WHTMN04-001, WHTMN04-002, and WHTMN04-003 at depths of 0 to 6 inches bgs. The subsurface soil sample (WHTMN04-004-SO-024) was composed of equal aliquots of soil collected from the same borings at a depth of 24 to 25 feet bgs. Table E-1 summarizing the physiochemical data and supporting laboratory data sheets are included in Appendix E.

Groundwater

Groundwater was not encountered above bedrock at Former FTA FT-16 and was not sampled.

3.6.5 Conclusions

Low concentrations of PFOS were detected in three of four surface soil samples collected at the area (two primary and one duplicate). As indicated on the laboratory data sheets in Appendix D, none of the other 18 PFAS compounds included in the analytical suite were detected in these three surface soil samples, either. In addition, no PFAS compounds were detected in the remaining surface soil sample or in the three subsurface soil samples. Groundwater (i.e. the surficial aquifer) was not encountered above bedrock and was not sampled. Based on analytical results indicating only low PFOS detections in surface soil, use of AFFF at FT-16 is unlikely. As was discussed in Section 2.5, the FTA likely was not used after 1970, when the USAF began using AFFF. The source for the low concentrations of PFOS detected in surface soil is unknown, but may be attributable to use of AFFF at FT-02, approximately 1,400 feet to the northeast.

3.7 INVESTIGATION-DERIVED WASTE

The USAF has awarded a separate contract to others for the removal and proper disposal of soil and water investigation-derived waste (IDW) generated during this SI. Waste soil and water were placed in Department of Transportation-approved steel drums (10 drums of soil and four drums of water) and staged at the contractor laydown yard near Building 104 prior to disposal. A representative sample was collected from each media, submitted to CT Laboratories, and analyzed for PFAS, total petroleum hydrocarbons, toxicity (using the Toxicity Characteristic Leaching Procedure [TCLP] for the full TCLP list of analytes), flashpoint, pH, cyanide, and sulfide. These analytical results have been submitted to the USAF electronically and are included in Appendix I. .All IDW was removed from the base by Heritage Transport LLC (EPA ID IND058484114) on March 19, 2018 for disposal by Heritage Environmental Services of Indianapolis, Indiana (EPA ID IND058484114). The waste manifest is in Appendix I.

4.0 GROUNDWATER PATHWAY

The objectives of groundwater sampling during the SI were to

- determine if groundwater in the individual areas has been impacted by the release of AFFF;
- determine if concentrations of PFBS, PFOA, and PFOS in groundwater were above the EPA HA of 0.07 µg/L, and
- identify potential receptor pathways with immediate impacts to human health.

4.1 WHITEMAN AIR FORCE BASE HYDROGEOLOGY

Five groundwater-bearing units have been identified in the region that includes Whiteman AFB. As indicated on Table 16 these units are

- a Quaternary Age surficial aquifer consisting of alluvium, loess, and residuum;
- shale, siltstone, sandstone, coal, underclay, and limestone associated with the Pennsylvanian Age Cherokee Group;
- Mississippian Age limestones;
- Ordovician Age aquifers that include the Jefferson City Dolomite, the Roubidoux Formation, and the Gasconade Dolomite; and
- Cambrian Age aquifers, specifically the Eminence Dolomite.

Table 16 Hydrogeologic Units at Whiteman Air Force Base

System	Series	Hydrologic Unit	Estimated Thickness at Whiteman AFB (ft)	Lithology	Remarks
Quaternary	Holocene Pleistocene	Alluvium, residuum, loess	0-30	Clay, silt, sand, gravel	Surficial aquifer. Poor water-bearing properties. Not normally used for water supplies.
Pennsylvanian	Des Moines	Cherokee Group	150-200	Shale, limestone, clay coal, siltstone	Poor aquifer. Yield ranges from 1 to 3 gpm. The Cherokee Group underlies Whiteman AFB and acts as a confining unit inhibiting downward vertical migration of surficial groundwater.
Mississippian	Osage	Keokuk Burlington	50	Limestone, dolomite, cherty limestone	Poor aquifer. Yield ranges from 1 to 15 gpm. Adequate for domestic use. The Keokuk and Burlington are part of the Ozark Plateau aquifer system.
	Kinderhook	Chouteau Group	100	Limestone, sandstone	Not an important aquifer.

System	Series	Hydrologic Unit	Estimated Thickness at Whiteman AFB (ft)	Lithology	Remarks
Ordovician	Middle and Lower	Jefferson City Roubidoux Gasconade (Gunter member)	600	Dolomite Dolomite Dolomite Sandstone	Good aquifer. Yield ranges from 15 to 125 gpm (Ozark Aquifer[1]).
Cambrian	Upper	Eminence	>200	Dolomite	Excellent aquifer. Yield 250+ gpm (Ozark Aquifer[1]).

Sources: Engineering-Science, March 1984; Adamski, James C., et al, 1995; Imes, Jeffrey L, 1985, CH2MHill, February 2003.
[1]The Ozark Aquifer is overlain by the Ozark Confining Unit consisting of Mississippian, Devonian and upper Ordovician age shales and limestones.
AFB = Air Force Base ft = foot or feet
gpm = gallons per minute

4.1.1 Surficial Aquifer

The surficial aquifer is the uppermost water-bearing zone and typically occurs within the upper 30 to 40 feet of the subsurface at Whiteman AFB. Water-bearing characteristics of the surficial aquifer are uncertain because of the seasonal variability of groundwater at shallow depths. Groundwater occurs in the alluvium near flowing streams, and, to a lesser degree, above the residual soil/bedrock interface. Eventually, water in the surficial aquifer infiltrates laterally and vertically into other areas, provided no additional recharge occurs. Infiltration of precipitation is the primary means by which groundwater in surficial deposits at Whiteman AFB is recharged. Most shallow groundwater likely discharges to local streams. Because of the small yield and poor quality of water in the surficial aquifer, it is not locally used as a water supply source (Halliburton, July 1994). Extraction and use of shallow groundwater in the surficial aquifer (above the geologic confining layer, the Cherokee Group) is prohibited per a basewide land use control (HDR, July 2015). In addition, MDNR water well construction code *Missouri Code of State Regulations* 10 CSR 23-3.090(1)(A) requires all drinking water wells in the Whiteman AFB area to be cased to a minimum depth of 80 feet bgs. This requirement minimizes the risk of impacts to drinking water wells from any contaminants present in the surficial aquifer (ASL, October 2017).

4.1.2 Bedrock Aquifers

The Cherokee Group underlies Whiteman AFB and acts as a confining unit inhibiting downward vertical migration of the surficial aquifer. Aquifers at the base include (in increasing depth and age) hydrologic units within the Pennsylvanian, Mississippian, Ordovician, and Cambrian systems. The Pennsylvanian units are poor aquifers while the Mississippian Keokuk and Burlington units are suitable only for domestic wells. (ASL, October 2017). The Ordovician and Cambrian aquifers are part of the Ozark Aquifer, which is overlain by the Ozark confining unit consisting of Mississippian, Devonian, and upper Ordovician age shales and limestones.

4.1.3 Drinking Water Sources

Base water supply is provided by eight on-base wells. These supply wells were drilled to depths ranging from 1,046 to 1,171 feet and open into the Ordovician and Cambrian aquifers. Of the eight base wells, all are upgradient or sidegradient of the AFFF areas except Well #9, which is downgradient of AFFF Area 4. The city of Knob Noster extracts water from three wells within 1 mile of the northern base boundary. These wells are not downgradient from any of the four AFFF areas. These wells were drilled to depths ranging from 865 to 1,000 feet and tap the Gasconade and Eminence aquifers. Johnson County Public Water Supply District (PWSD) #3 extracts water from three wells drilled to total depths of 700 feet, 600 feet, and 1,300 feet that tap the Roubidoux, the Jefferson City, and Eminence aquifers. Wells 1 and 2 are approximately 3 ½ miles west of the base boundary. Well 3 is approximately 7 ½ miles west/southwest of the base boundary (Johnson County PWSD #3, May 2010). Public water supply wells are listed in Table 17. All public water supply wells listed in Table 17 extract groundwater from Ordovician or Cambrian age aquifers and are overlain by the Ozark confining unit. As such, the water supply wells are protected from any potential contaminants in the surficial aquifer.

Table 17 Public Water Supply Wells at or Near Whiteman AFB

Well Owner	Well Number	Casing Length	Total Depth (feet)	Aquifer
Whiteman AFB	#1	504	1,025	Eminence
	#3	475	1,171	Eminence
	#4	462	1,050	Eminence
	#5	488	1,075	Eminence
	#6	498	1,052	Eminence
	#8	502	1,100	Eminence
	#9	494	1,100	Eminence
	#10	450	1,100	Eminence
City of Knob Noster	#4	450	865	Gasconade
	#5	Not reported	1,000	Eminence
	#6	450	1,000	Eminence
Johnson County	#1	500	700	Roubidoux
	#2	200	600	Jefferson City
	#3	Not reported	1,300	Eminence

Sources: CH2M Hill, February 2003; EDR, September 2015; and Johnson County PWSD #3, May 2010.

The eight base public water supply wells were sampled by the base on August 22, 2016, and analyzed for six PFAS compounds including PFBS, PFOS, and PFOA. Analytical results indicated that none of the six PFAS compounds were detected in any of the samples. A copy of the laboratory report for this sampling event is in Appendix H.

A search for private water wells using the MDNR Wellhead Online Services Well Information Management System (WIMS) Database found 235 private wells within 4 miles of the base boundary as summarized in Table 18. All wells are cased below the surficial aquifer to a minimum depth of 80 feet in accordance with MDNR regulations. Total depths of these wells range from 210 feet to 1,700 feet and average 478 feet. Based on well depths, it appears all private wells extract groundwater from aquifers below the Cherokee Group (considered a confining unit) and most extract water from Ordovician or Cambrian aquifers below the Ozark Confining Unit.

Table 18 MDNR Permitted Private Wells Within Four Miles of Whiteman AFB

Well Type	Number of Wells Within Four Miles of Base Boundary [1]
Domestic	212
Irrigation	6
Multifamily	4
Noncommunity	1
Unknown	12
Total	**235**

Source: MDNR Wellhead Online Services WIMS Database, https://dnr.mo.gov/mowells/wimsSearchLanding.do

4.2 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

Analytical results show that combined PFOA and PFOS concentrations in the surficial aquifer at the WWTP holding ponds exceeded the EPA HA of 0.07 µg/L in one of two wells at the area (a third well was dry and could not be sampled). Groundwater flow at the ponds mimics topography and flows toward existing surface drainage features, flowing southeast and southwest toward Brewer Branch Creek as indicated on Figure 3 in Appendix A. It is expected that the surficial aquifer discharges to the creek, and the creek may act as a hydraulic barrier preventing impacted groundwater from migrating beyond the creek. Shallow groundwater south of the Brewer Branch Creek is anticipated to flow north toward the creek.

The nearest public water supply well is on-base Well #10 (1,100 feet deep and cased to a depth of 450), approximately 2,200 feet east and sidegradient to the ponds. Three private wells (A112844, A121581, and A151751) are east/southeast of the holding ponds, as indicated on Figure 7. Well A112844 (475 feet deep and cased to a depth of 100 feet) is 470 feet east and sidegradient from the holding ponds; well A151751 (500 feet deep and cased to a depth of 140 feet) is 1,100 feet southeast and downgradient from the ponds. Well A121581 (620 feet deep and cased to a depth of 140 feet) is 1,870 feet southeast (the direction of groundwater flow), on the south side of Brewer Branch Creek. A fourth well (475881), about 6,500 feet southwest of the holding ponds, is 535 feet deep and cased to a depth of 192 feet.

Since the four private wells are cased with total depths ranging from 475 to 620 feet (and presumably extract groundwater from aquifers below the Ozark confining unit) they are isolated from the surficial aquifer and possible PFAS impacts. In addition, as discussed in Section 4.1.3 all private wells within 4 miles of the base boundary are cased to a minimum depth of 80 feet and extract groundwater from aquifers below at least one confining unit. As such, the human ingestion pathway for impacted groundwater (surficial aquifer) at AFFF Area 1 is incomplete.

4.3 OUTFALL 001 – AFFF AREA 2

Analytical results show combined PFOA and PFOS concentrations in the surficial aquifer at Outfall 001 exceeded the EPA HA of 0.070 µg/L in the only well at the area. Groundwater flow at the outfall mimics topography and flows south toward Brewer Branch Creek as indicated on Figure 3 in Appendix A.

The nearest public water supply well is on-base Well #10 (1,100 feet deep and cased to a depth of 450 feet), approximately 2,600 feet east/northeast and upgradient from the outfall. The nearest drinking water well in the downgradient direction is well 475881(total depth 535 feet, casing depth 192 feet) about 5,600 feet southwest of the outfall. Since well 475881 is cased with a total depth of 535 feet, the well would presumably extract groundwater from below the Ozark confining unit and is isolated from the surficial aquifer and possible PFAS impacts. In addition, all private wells within 4 miles of the base boundary are cased to a minimum depth of 80 feet and extract groundwater from below at least one confining unit. As such, the human ingestion pathway for impacted groundwater (surficial aquifer) at AFFF Area 2 is incomplete.

4.4 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

Analytical results show that combined PFOA and PFOS concentrations in the surficial aquifer at Former FTA FT-02 exceeded the EPA HA of 0.070 µg/L in each of the three wells installed and sampled at the area. Although water level measurements collected from the three wells installed during this SI indicated groundwater flow to be southwest, August 2004 basewide water level measurements indicated groundwater flows radially to the north, northeast, and east as shown on Figure 4 in Appendix A. The cause for these different flow directions is uncertain. Previous investigations, however, have also indicated varying groundwater flow directions at FT-02, which are possibly from seasonal variations in precipitation and recharge.

The nearest public water supply well is on-base Well #9 (1,100 feet deep and cased to a depth of 494 feet), approximately 600 feet southwest of the site. Because groundwater flow direction apparently varies at AFFF Area 3, determination of specific private wells that are downgradient from the area is not possible. However, all private wells within 4 miles of the base boundary are cased to a minimum depth of 80 feet below the surficial aquifer. In addition, all wells within 4 miles extract groundwater from below one or more confining units. As such, the human ingestion pathway for impacted groundwater (surficial aquifer) at AFFF Area 3 is incomplete.

4.5 Former Fire Training Area FT-16 – AFFF Area 4

The surficial aquifer was not encountered above bedrock during investigations at AFFF Area 4; therefore, it is presumed the surficial aquifer is not present. The nearest public water supply well is on-base Well #9 (1,100 feet deep and cased to a depth of 494 feet), approximately 820 feet east/northeast and downgradient from the area. Because the surficial aquifer is not present and MDNR well installation regulations ensure the surficial aquifer is not used for drinking water (wells must be cased to a depth of 80 feet) and all drinking water wells extract groundwater from below at least one confining unit, the human ingestion exposure pathway for groundwater is incomplete.

5.0 SURFACE WATER PATHWAY

The objectives of surface water sampling during the SI were to

- determine if surface water in the individual areas has been impacted by the release of AFFF;
- determine if concentrations of PFBS, PFOA, and PFOS in surface water are above the EPA HA of 0.07 µg/L; and
- identify potential receptor pathways with immediate impacts to human health.

5.1 Base Hydrologic Setting

Whiteman AFB is drained by several small perennial streams and creeks that flow to the Blackwater or Lamine Rivers within the Missouri River drainage basin. Because of the low relief and poor infiltration capacity of the soils, intense rainfall commonly causes localized flooding in parts of the base. Streams in the western half of the base drain primarily to the southwest to Brewer Branch Creek, which in turn flows west to Clear Fork of the Blackwater River. Clear Fork of the Blackwater River then flows north for about 10 miles to its confluence with the Blackwater River. The Blackwater River in turn flows east and joins the Lamine River approximately 6 miles upstream of the Lamine's confluence with the Missouri River. Streams in the eastern half of the base drain to Long Branch Creek. Long Branch Creek flows approximately 5 miles east from the base boundary to Muddy Creek, which in turn flows east into the Lamine River (ASL, October 2017).

5.2 Wastewater Treatment Plant Holding Ponds – AFFF Area 1

Surface water within the holding ponds consists of PFAS-containing wastewater routed to the ponds from other parts of the base. The ponds are bermed, but direct rainfall would also collect in the ponds. PFOS and PFOA were detected at concentrations above the screening level in samples collected from each pond. Water from the ponds is routed through the WWTP and discharged to Brewer Branch Creek at

Outfall 001. Because the ponds are bermed, the only surface water pathway from the ponds is Outfall 001, which has been determined to be an incomplete pathway as discussed in Section 5.3.

5.3 OUTFALL 001 – AFFF AREA 2

Treated effluent from the WWTP is discharged at Outfall 001; however, the WWTP is not designed to treat or remove PFAS. A surface water sample collected at Brewer Branch Creek downstream from Outfall 001 contained both PFOS and PFOA at concentrations above the screening level.

Brewer Branch flows west to Clear Fork of the Blackwater River; Clear Fork then flows to the Blackwater River, which in turn flows east and joins the Lamine River. Groundwater serves as the drinking water source in the area. The PA (CH2M Hill, October 2015) indicated there are no surface water intakes along this path within 15 miles of Outfall 001; therefore, the human ingestion pathway for surface water is incomplete.

5.4 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

Former FTA FT-02 is now occupied by the Missouri Army National Guard Army Aviation Support Facility, and most of the former FTA is beneath the support facility's helipad. Surface water was not identified as a media of concern because no surface water features were identified in the immediate vicinity.

5.5 FORMER FIRE TRAINING AREA FT-16 – AFFF AREA 4

Former FTA FT-16 is now a level, grassed lawn and concrete parking area. Surface water was not identified as a media of concern because no surface water features were identified in the immediate vicinity.

6.0 SOIL AND SEDIMENT EXPOSURE AND AIR PATHWAYS

The objectives of soil and sediment sampling during the SI were to

- determine if soil and sediment in the individual areas has been impacted by the release of AFFF;
- determine if concentrations of PFBS, PFOA, and PFOS in soil and sediment were above RSLs; and
- identify potential receptor pathways with immediate impacts to human health.

6.1 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

Where detected, PFAS concentrations in subsurface soil samples collected at the WWTP holding ponds were below screening levels, precluding a complete exposure pathway. However, PFOS was detected in two sediment samples collected from within the ponds at concentrations above screening levels. Human ingestion from exposure to the sediment is unlikely, but could represent an ongoing source of surface water and/or groundwater impacts.

6.2 OUTFALL 001 – AFFF AREA 2

Where detected, PFAS concentrations in surface soil, subsurface soil, and sediment samples collected at Outfall 001 were below screening levels. Lacking concentrations of PFAS above screening levels, the soil, sediment, and air pathways are incomplete at AFFF Area 2.

6.3 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

Surface soil was not identified as a media of concern at FT-02 because soil was removed from the area during a previous remediation effort and most of the area is paved. Where detected, PFAS concentrations in subsurface soil samples collected at Former FTA FT-02 were below screening levels. Lacking concentrations of PFAS above screening levels, the soil and air pathways are incomplete at AFFF Area 3. Sediment was not identified as a media of concern at AFFF Area 3.

6.4 FORMER FIRE TRAINING AREA FT-16 – AFFF AREA 4

PFOS was the only PFAS compound detected in surface soil, and the detected concentrations were below screening levels. No other PFAS compounds were detected in surface soil and none of the 18 PFAS compounds included in the analytical suite were detected in subsurface soil. Use of AFFF at FT-16 is unlikely and lacking concentrations of PFAS above screening levels, the soil and air pathways are incomplete at AFFF Area 4. Sediment was not identified as a medium of concern at AFFF Area 4.

7.0 UPDATES TO CONCEPTUAL SITE MODELS

The following sections contain updates to the conceptual site models for AFFF Areas 1 through 4 and address PFOA and PFOS in soil, groundwater, surface water, and sediment. PFBS has been eliminated as a contaminant of concern based on analytical results presented in Section 3.0 and will not be discussed further.

7.1 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

The QAPP addendum (ASL, October 2017) conceptual site model (CSM) identified subsurface soil, groundwater, sediment, and surface water as media potentially impacted by AFFF-impacted wastewater at the WWTP holding ponds. As indicated in Sections 3.3.4 and 6.1, where detected, PFOA and PFOS concentrations in subsurface soil were below screening levels, precluding a complete human exposure pathway. PFOA and PFOS concentrations in groundwater, surface water, and sediment, however, exceeded screening levels.

As indicated in Section 4.2, there are no public water supply wells downgradient from the holding ponds, but three downgradient private drinking water wells (Wells A112844, A121581, and A151751) are east/southeast of the site. Because these private wells are cased and have total depths ranging from 475 to 620 feet, the wells would presumably extract groundwater from below the Ozark confining unit isolating them from the surficial aquifer and possible PFAS impacts. As discussed in Section 4.1.3, all private wells within 4 miles of the base boundary are cased to a minimum depth of 80 feet and extract groundwater from below at least one confining unit. As such, the human ingestion pathway for impacted groundwater (the surficial aquifer) at AFFF Area 1 is incomplete.

As indicated in Section 5.2, the only surface water pathway from the holding ponds is Outfall 001, discussed in Section 7.2. As indicated in Section 6.1, human ingestion from exposure to the sediment is unlikely, but it could represent an ongoing source of surface water and groundwater impacts.

7.2 Outfall 001 – AFFF Area 2

The QAPP addendum (ASL, October 2017) CSM identified surface soil, subsurface soil, groundwater, sediment, and surface water as media potentially impacted by AFFF-impacted wastewater at Outfall 001. As indicated in Sections 3.4.4 and 6.2, where detected, PFOA and PFOS concentrations in surface soil, subsurface soil, and sediment were below screening levels, precluding a complete human exposure pathway. However, PFOA and PFOS concentrations in groundwater and surface water exceeded screening levels.

As indicated in Section 4.3, no public water supply wells are downgradient from the outfall. Because the nearest private well (475881) is cased to a depth of 192 feet (below the surficial aquifer) and presumably extracts groundwater from below the Ozark confining unit, it would be isolated from the surficial aquifer and possible PFAS impacts. All private wells within 4 miles of the base boundary are cased to a minimum depth of 80 feet and extract groundwater from below at least one confining unit. As such, the human ingestion pathway for impacted groundwater (surficial aquifer) at AFFF Area 2 is incomplete.

As indicated in Section 5.2, no drinking water intakes are within 15 miles of the outfall, so the human ingestion exposure pathway for surface water is also incomplete.

7.3 Former Fire Training Area FT-02 – AFFF Area 3

The QAPP addendum (ASL, October 2017) CSM identified subsurface soil and groundwater as media potentially impacted by AFFF during training activities at the area. As indicated in Sections 3.5.4 and 6.3, where detected, PFOA and PFOS concentrations in subsurface soil were below screening levels, precluding a complete human exposure pathway. PFOA and PFOS concentrations in groundwater, however, exceeded screening levels.

As indicated in Section 4.4, no public water supply wells are downgradient from the former FTA. Because groundwater flow direction apparently varies at AFFF Area 3, determination of specific downgradient private wells is not possible. However, because MDNR requires all drinking water wells to be cased to a minimum depth of 80 feet and all wells within 4 miles of the base are below at least one confining unit, the human ingestion pathway for impacted groundwater at AFFF Area 3 is incomplete.

7.4 Former Fire Training Area FT-16 – AFFF Area 4

Although it is unknown when or if AFFF was discharged at FT-16, the PA (CH2M Hill, October 2015) indicated AFFF use was possible and recommended an SI be conducted. The QAPP addendum CSM identified surface soil, subsurface soil and groundwater as media potentially impacted by AFFF if it was used at the site (ASL, October 2017). As indicated in Sections 3.6.4 and 6.4, PFOS was the only PFAS compound detected in soil at AFFF Area 4 and was only detected in surface soil below screening levels. Lacking concentrations of PFAS above screening levels, the soil and air pathways are incomplete.

Groundwater was not encountered at FT-16 above bedrock and could not be sampled (the surficial aquifer is not present). Because all drinking water wells within 4 miles of the base are cased to a minimum depth of 80 feet and extract groundwater from below at least one confining unit, the human ingestion pathway for impacted groundwater at AFFF Area 3 is incomplete.

8.0 SUMMARY AND CONCLUSIONS

ASL completed SIs at four known or suspected areas of AFFF releases at Whiteman AFB as detailed in the site-specific QAPP addendum (ASL, October 2017). The areas inspected included

- WWTP Holding Ponds (AFFF Area 1),
- Outfall 001 (AFFF Area 2),
- Former FTA FT-02 (AFFF Area 3), and
- Former FTA FT-16 (AFFF Area 4)

The objectives of the SIs were to:

- determine if a confirmed release of PFOS, PFOA, or PFBS has occurred at the areas selected for inspection;
- determine if PFOS and PFOA are present in groundwater or surface water at the inspection areas at concentrations exceeding the EPA lifetime HA for drinking water;
- determine if PFBS is present in soil, sediment, groundwater, or surface water at the inspection areas at concentrations exceeding generic RSLs,
- determine if PFOA and PFOS are present in soil or sediment at the inspection areas at concentrations exceeding calculated RSLs,
- identify potential receptor pathways with immediate impacts to human health, and
- recommend courses of action with respect to future PFOS/PFOA characterization.

Media selected for sampling varied for the four sites but included surface soil, subsurface soil, groundwater, sediment, and surface water. Sampling was primarily limited to the immediate areas of known or suspected AFFF releases and biased toward locations most likely to have been impacted by the releases.

All samples were analyzed for PFBS, PFOA, and PFOS using modified EPA Method 537. Analytical results for PFBS in soil, sediment, groundwater, and surface water were compared to published EPA RSLs (HQ = 0.1). Analytical results for PFOA and PFOS in soil and sediment were compared to calculated RSLs (126 µg/kg for both PFOA and PFOS [HQ = 0.1]). Analytical results for PFOA and PFOS in groundwater and surface water were compared to the EPA HA of 0.07 µg/L for the combined concentrations of PFOA and PFOS for drinking water.

AFFF use at the base has resulted in PFOA and PFOS concentrations in groundwater, sediment, and surface water above screening levels. No complete human ingestion exposure pathways were identified at any of the four AFFF Areas.

Table 19 summarizes detected concentrations of PFBS, PFOA, and PFOS for each media sampled at each area. Brief summaries of key findings and conclusions for each area (focusing on PFOA and PFOS exceedances) are included in Sections 8.1 through 8.4.

Table 19 Summary of PFBS, PFOA, and PFOS Detections and Screening Level Exceedances

AFFF Area	Associated Existing IRP ID	Parameter	Maximum Detected Concentration[1]	Screening Level	Number of Samples / Number of Exceedances[2]	Exceeds Screening Level	Potentially Complete Drinking Water Exposure Pathway	Recommendation
AFFF Area 1 WWTP Holding Ponds	None (new site)	**Subsurface Soil**	**(µg/kg)**	**(µg/kg)**			No	Future characterization after State or Federal soil/ groundwater standards are promulgated
		PFBS	1.4	130,000	3/0	No		
		PFOA	ND	126	3/0	No		
		PFOS	ND	126	3/0	No		
		Groundwater	**(µg/L)**	**(µg/L)**				
		PFBS	1.7	40	2/0	No		
		PFOA	**0.16**	0.07	2/1	Yes		
		PFOS	**0.40**	0.07	2/1	Yes		
		PFOA + PFOS	**0.56**	0.07	2/1	Yes		
		Sediment	**(µg/kg)**	**(µg/kg)**				
		PFBS	15	130,000	2/0	No		
		PFOA	8.7 J	126	2/0	No		
		PFOS	**4,900**	126	2/2	Yes		
		Surface Water	**(µg/L)**	**(µg/L)**				
		PFBS	9.4	40	2/0	No		
		PFOA	**1.4**	0.07	2/1	Yes		
		PFOS	**140**	0.07	2/2	Yes		
		PFOA + PFOS	**140**[3]	0.07	2/2	Yes		
AFFF Area 2 Outfall 001	None (new site)	**Surface Soil**	**(µg/kg)**	**(µg/kg)**			No	Future characterization after State or Federal soil/ groundwater standards are promulgated
		PFBS	ND	130,000	1/0	No		
		PFOA	0.43 J	126	1/0	No		
		PFOS	74	126	1/0	No		
		Subsurface Soil	**(µg/kg)**	**(µg/kg)**				
		PFBS	ND	130,000	1/0	No		
		PFOA	ND	126	1/0	No		
		PFOS	1.6	126	1/0	No		
		Groundwater	**(µg/L)**	**(µg/L)**				
		PFBS	0.85	40	1/0	No		
		PFOA	**0.30**	0.07	1/1	Yes		
		PFOS	**24**	0.07	1/1	Yes		
		PFOA + PFOS	**24.30**	0.07	1/1	Yes		

AFFF Area	Associated Existing IRP ID	Parameter	Maximum Detected Concentration[1]	Screening Level	Number of Samples / Number of Exceedances[2]	Exceeds Screening Level	Potentially Complete Drinking Water Exposure Pathway	Recommendation
		Sediment	**(µg/kg)**	**(µg/kg)**				
		PFBS	ND	130,000	1/0	No		
		PFOA	ND	126	1/0	No		
		PFOS	40 J	126	1/0	No		
		Surface Water	**(µg/L)**	**(µg/L)**				
		PFBS	0.085	40	1/0	No		
		PFOA	**0.076**	0.07	1/1	Yes		
		PFOS	**2.6**	0.07	1/1	Yes		
		PFOA + PFOS	**2.676**	0.07	1/1	Yes		
AFFF Area 3 Former FTA FT-02	**FT-02**	**Subsurface Soil**	**(µg/kg)**	**(µg/kg)**			No	Future characterization after State or Federal soil/ groundwater standards are promulgated
		PFBS	1.2	130,000	3/0	No		
		PFOA	10	126	3/0	No		
		PFOS	9.0	126	3/0	No		
		Groundwater	**(µg/L)**	**(µg/L)**				
		PFBS	7.4	40	3/0	No		
		PFOA	**60**	0.07	3/3	Yes		
		PFOS	**29**	0.07	3/3	Yes		
		PFOA + PFOS	**89**	0.07	3/3	Yes		

AFFF Area	Associated Existing IRP ID	Parameter	Maximum Detected Concentration[1]	Screening Level	Number of Samples / Number of Exceedances[2]	Exceeds Screening Level	Potentially Complete Drinking Water Exposure Pathway	Recommendation
AFFF Area 4 Former FTA FT-16	**FT-16**	**Surface Soil**	**(µg/kg)**	**(µg/kg)**			No	No further response action planned
		PFBS	ND	130,000	3/0	No		
		PFOA	ND	126	3/0	No		
		PFOS	1.4	126	3/0	No		
		Subsurface Soil	**(µg/kg)**	**(µg/kg)**				
		PFBS	ND	130,000	3/0	No		
		PFOA	ND	126	3/0	No		
		PFOS	ND	126	3/0	No		

[1]Maximum detected concentrations include duplicate analytical results where applicable.
[2] Totals include only primary samples unless an exceedance only occurred in a duplicate sample. In those instances, only the duplicate is included.
[3] Maximum PFOA + PFOS concentration shown is the highest combined PFOA and PFOS concentration detected in a specific sample and in this instance is not the sum of the individual maximum PFOA and PFOS concentrations listed as they occurred in two separate samples.
Bold values exceed screening levels.

µg/kg = micrograms per kilogram
AFFF = aqueous film forming foam
ID = identification
J=estimated concentration
PFBS = perfluorobutane sulfonate
PFOS = perfluorooctane sulfonate
µg/L = micrograms per liter
FTA = fire training area
IRP = Installation Restoration Program
ND = not detected
PFOA = perfluorooctanoic acid

8.1 WASTEWATER TREATMENT PLANT HOLDING PONDS – AFFF AREA 1

Discharge of wastewater containing AFFF to the WWTP holding ponds has resulted in PFAS impacts to the environment leading to PFOS and/or PFOA exceedances in groundwater, surface water, and sediment. The combined PFOA and PFOS concentration in one of two groundwater samples collected at the holding ponds exceeded the EPA HA of 0.07 µg/L at a concentration of 0.56 µg/L. As discussed in Section 4.2, the exposure pathway for groundwater is incomplete because all drinking water wells in the area are cased below the surficial aquifer and extract groundwater from below one or more confining unit.

Combined PFOA and PFOS concentrations in two surface water samples collected from within the ponds also exceeded the EPA HA (0.07 µg/L) at 75.4 µg/L and 140 µg/L. As indicated in Section 5.2, the surface water pathway for human ingestion is currently incomplete because there are no surface water intakes within 15 miles downstream of the holding ponds.

PFOS concentrations in two sediment samples collected within the ponds also exceeded the calculated RSL (126 µg/kg) at 4,600 µg/kg and 4,900 µg/kg. As indicated in Section 6.1, human ingestion from exposure to the sediment is unlikely but the elevated PFOS concentrations could represent an ongoing source of surface water and/or groundwater impacts.

Groundwater, sediment, and surface water remain media of concern at AFFF Area 1. Future characterization after State or Federal soil/groundwater standards are promulgated is recommended to further assess and delineate PFAS impacts at the WWTP holding ponds.

8.2 OUTFALL 001 – AFFF AREA 2

Discharge of effluent from the WWTP at Outfall 001 has resulted in impacts to the environment. Combined PFOA and PFOS concentrations in groundwater and surface water exceeded the screening level. The combined PFOA and PFOS concentration in the only groundwater sample collected was 24.3 µg/L; the combined PFOA and PFOS concentration in the only surface water sample collected from Brewer Branch Creek at the outfall discharge point was 2.676 µg/L. As discussed in Section 4.3, however, the exposure pathway for groundwater is incomplete because all drinking water wells in the area are cased below the surficial aquifer and extract groundwater from below at least one confining unit.

As discussed in Section 5.3, the surface water pathway for human ingestion is also currently incomplete because there are no surface water intakes within 15 miles of the outfall. Groundwater, sediment and surface water remain media of concern. Future characterization after State or Federal soil/groundwater standards are promulgated is recommended to further assess and delineate PFAS impacts at the outfall.

8.3 FORMER FIRE TRAINING AREA FT-02 – AFFF AREA 3

Use of AFFF at Former FTA FT-02 has resulted in impacts to the environment. The combined PFOA and PFOS concentrations in three groundwater samples ranged from 8.0 µg/L to 89 µg/L, all above the screening level. Groundwater flow direction at AFFF Area 3 varies and warrants further characterization. However, as discussed in Section 4.4, the exposure pathway for groundwater is incomplete because all drinking water wells in the area are cased below the surficial aquifer and extract groundwater from below at least one confining unit. Groundwater remains a media of concern. Future characterization after State or Federal soil/groundwater standards are promulgated is recommended to further assess groundwater flow and to delineate PFAS impacts at the former FTA.

8.4 FORMER FIRE TRAINING AREA FT-16 – AFFF AREA 4

Use of AFFF at Former FTA FT-16 has not been confirmed. Because Former FTA FT-02 was in operation by the mid-1960s, it is unlikely that FT-16 was in use beyond that time (after FT-02 was in operation). As discussed in Section 4.5, groundwater (i.e. the surficial aquifer) was not encountered above bedrock during the SI, and no wells were installed and no groundwater samples collected. Lacking concentrations of PFAS above screening levels, there are no complete exposure pathways, and no further response action planned.

9.0 REFERENCES

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Appendix A

Figures

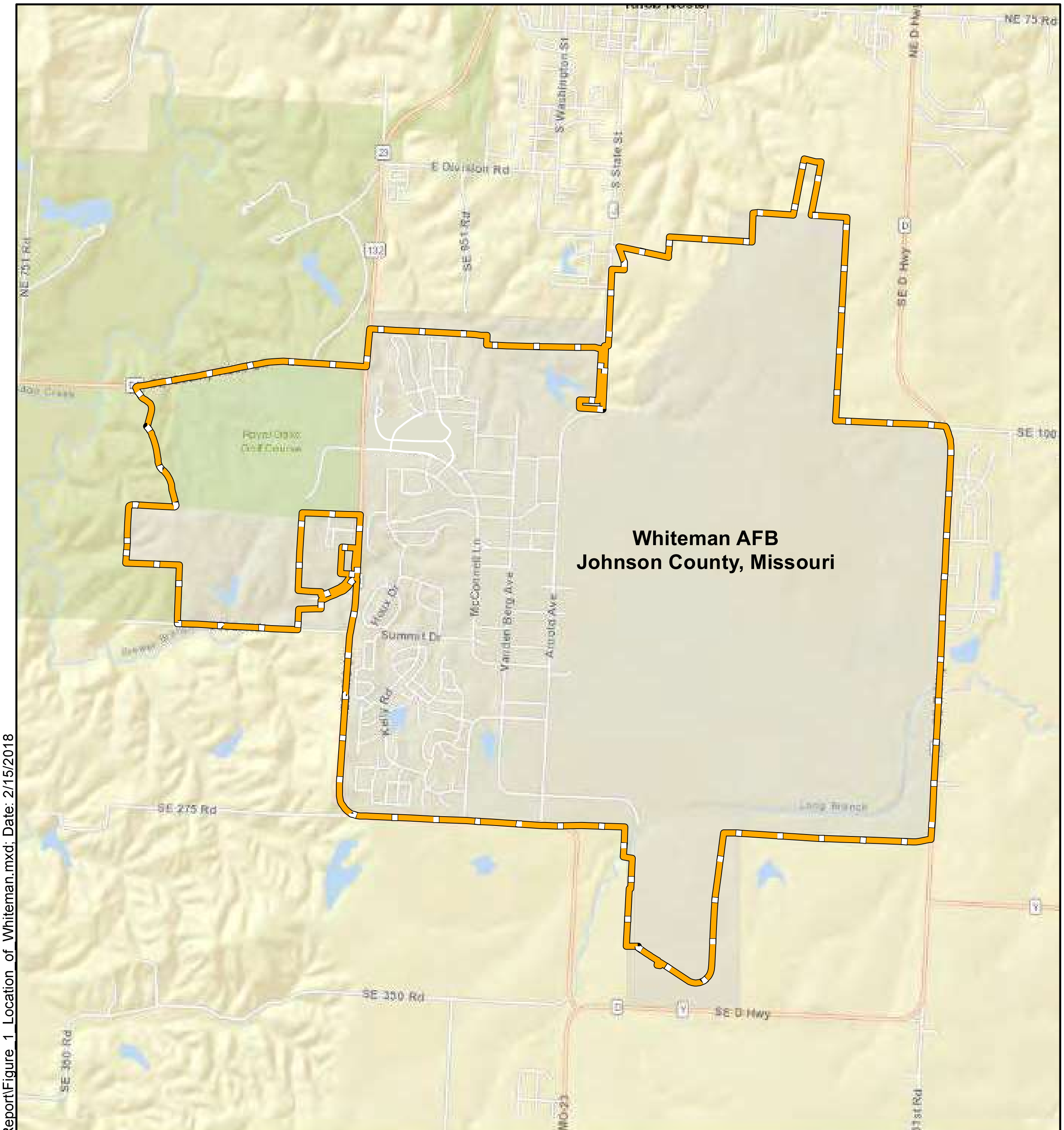

Figure 1
Location of
Whiteman Air Force Base
Johnson County, Missouri

Legend

Installation Boundary

Service Layer Credits: Esri StreetMap North America

Drawn: tmorse

Date: 2/15/2018

0 0.5 Miles

N

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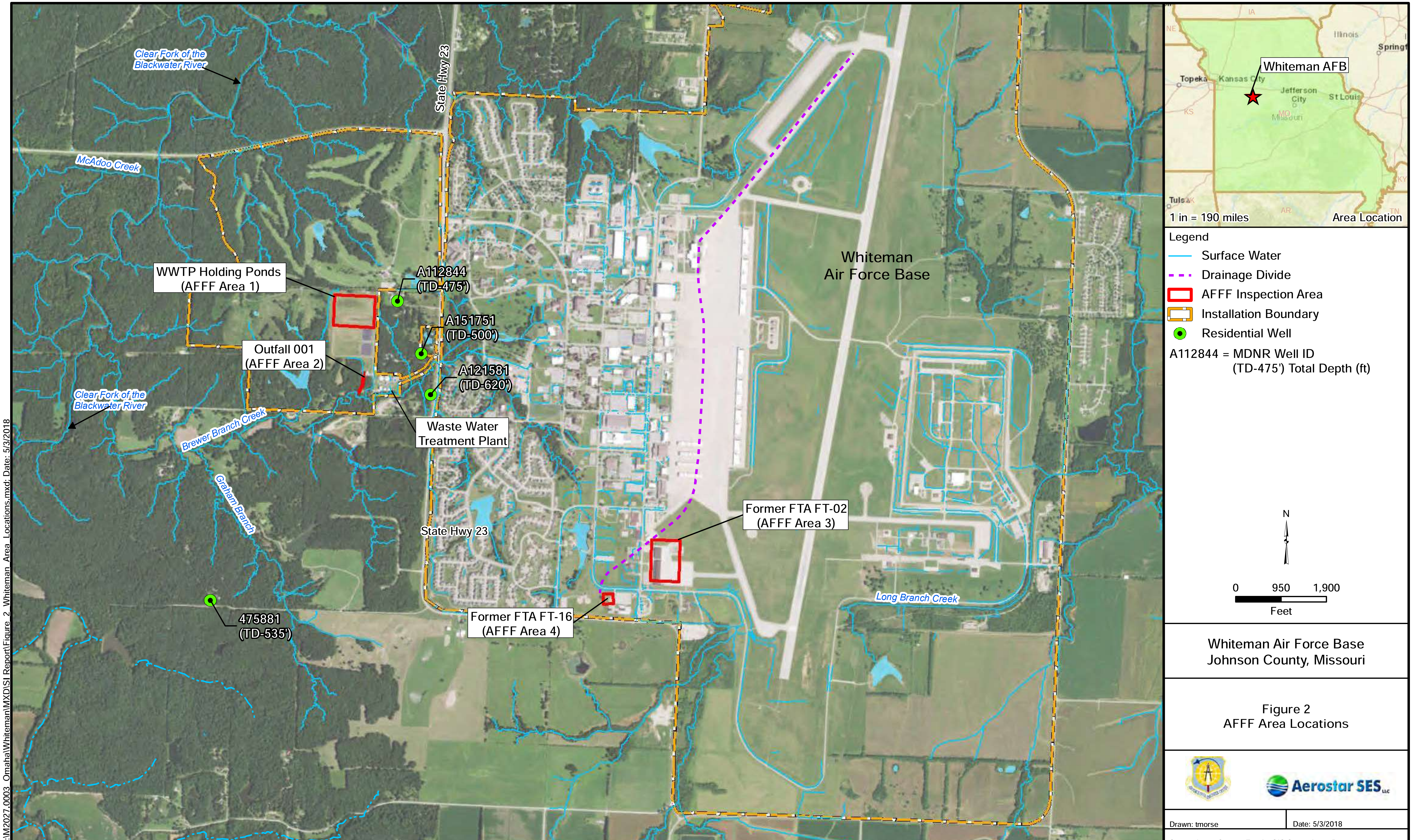
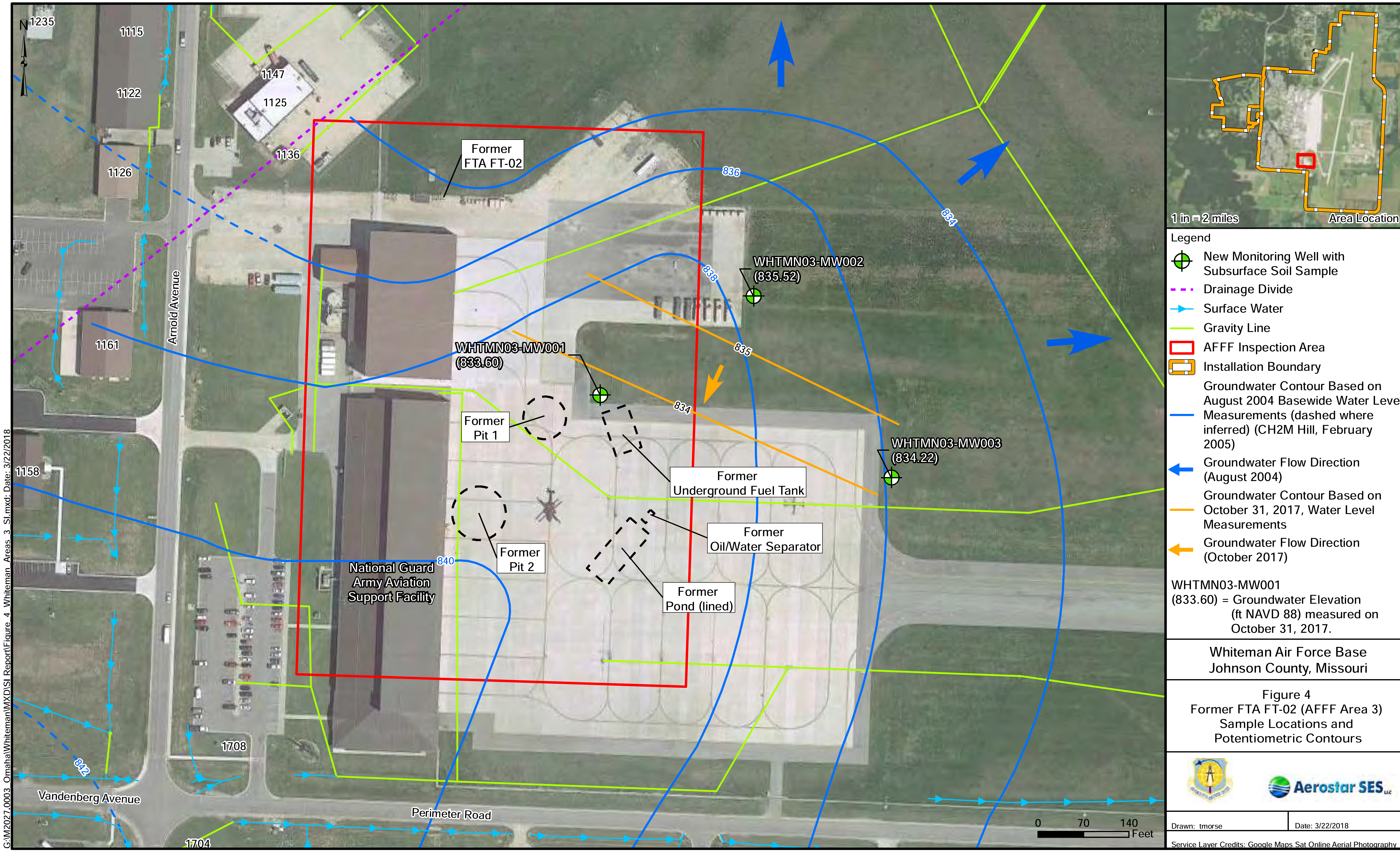
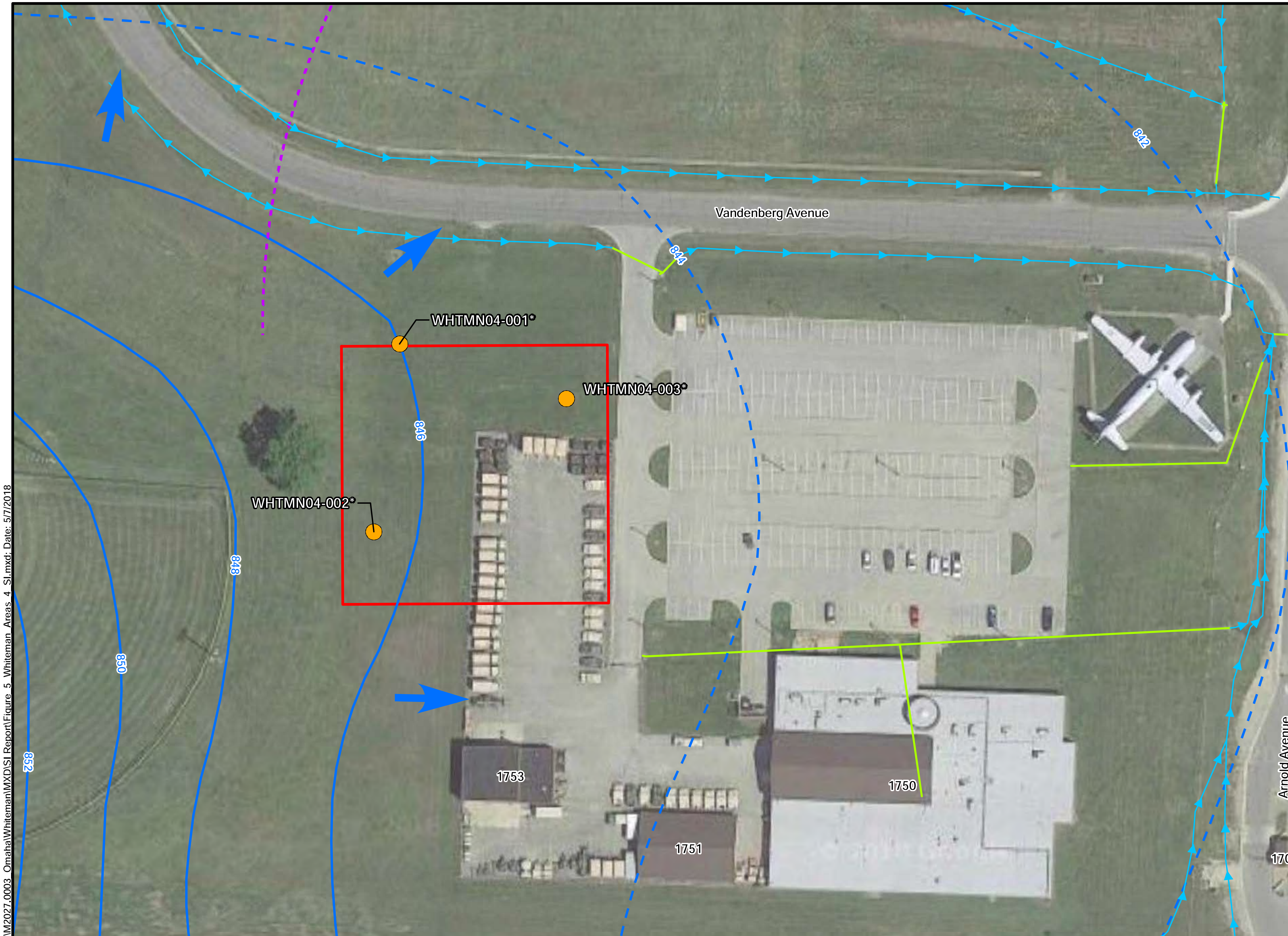
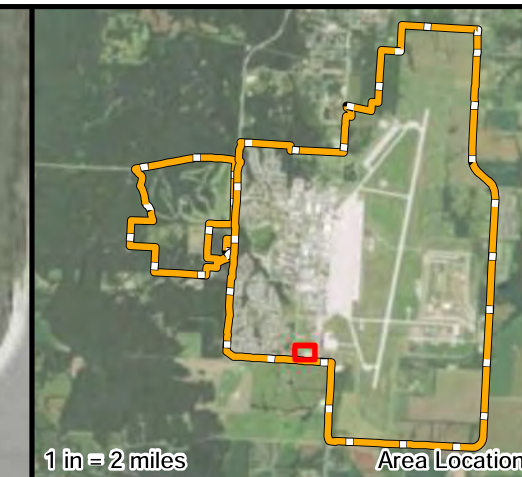

Clear Fork of the Blackwater River
McAdoo Creek
State Hwy 23
WWTP Holding Ponds (AFFF Area 1)
A112844 (TD-475')
A151751 (TD-500')
A121581 (TD-620')
Outfall 001 (AFFF Area 2)
Clear Fork of the Blackwater River
Brewer Branch Creek
Waste Water Treatment Plant
Graham Branch
State Hwy 23
475881 (TD-535')
Former FTA FT-16 (AFFF Area 4)
Former FTA FT-02 (AFFF Area 3)
Whiteman Air Force Base
Long Branch Creek
Whiteman AFB
Topeka
Kansas City
Jefferson City
St Louis
Missouri
Illinois
Springf
Tulsa
1 in = 190 miles
Area Location
Legend
Surface Water
Drainage Divide
AFFF Inspection Area
Installation Boundary
Residential Well
A112844 = MDNR Well ID
(TD-475') Total Depth (ft)
N
0 950 1,900
Feet
Whiteman Air Force Base
Johnson County, Missouri
Figure 2
AFFF Area Locations
Aerostar SES
Drawn: tmorse
Date: 5/3/2018
Service Layer Credits: Esri ArcGIS Online Aerial Photography
G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_2_Whiteman_Area_Locations.mxd; Date: 5/3/2018

N
Southeast 130 Road
WWTP Holding Ponds
(AFFF Area 1)
WHTMN01-004
WHTMN01-MW001
(Dry)
WHTMN01-005
WHTMN01-MW003
(812.19)
WHTMN01-MW002
(809.99)
810
805
800
795
790
785
780
A112844
(TD-475')
Southeast 140 Road
Highway 23
A151751
(TD-500')
Wastewater
Treatment Plant
Outfall 001
(AFFF Area 2)
WHTMN02-MW001
(777.42)
WHTMN02-002
Brewer Branch Creek
Brewer Branch Creek
A121581
(TD-620')
1 in = 2 miles
Area Location
Legend
New Monitoring Well with Subsurface Soil Sample
New Monitoring Well with Surface and Subsurface Soil Samples
Surface Water and Sediment Samples
Surface Water
Gravity Line
AFFF Inspection Area
Installation Boundary
Groundwater Contour
Groundwater Flow Direction
Residential Well
WHTMN01-MW003
(812.19) = Groundwater Elevation (ft NAVD 88) measured on October 31, 2017.
0 125 250
Feet
Whiteman Air Force Base
Johnson County, Missouri
Figure 3
WWTP Holding Ponds (AFFF Area 1) and Outfall 001 (AFFF Area 2)
Sample Locations and Potentiometric Contours
Aerostar SES LLC
Drawn: tmorse
Date: 3/22/2018
Service Layer Credits: Esri ArcGIS Online Aerial Photography
G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_3_Whiteman_Areas_1_and_2_SI.mxd; Date: 3/22/2018


N
1235
1115
1122
1147
1125
1136
1126
1161
1158
1708
1704
Arnold Avenue
Vandenberg Avenue
Perimeter Road
Former
FTA FT-02
836
834
838
835
834
840
842
WHTMN03-MW002
(835.52)
WHTMN03-MW001
(833.60)
WHTMN03-MW003
(834.22)
Former
Pit 1
Former
Pit 2
Former
Underground Fuel Tank
Former
Oil/Water Separator
Former
Pond (lined)
National Guard
Army Aviation
Support Facility
0 70 140
Feet
1 in = 2 miles
Area Location
Legend
New Monitoring Well with Subsurface Soil Sample
Drainage Divide
Surface Water
Gravity Line
AFFF Inspection Area
Installation Boundary
Groundwater Contour Based on August 2004 Basewide Water Level Measurements (dashed where inferred) (CH2M Hill, February 2005)
Groundwater Flow Direction (August 2004)
Groundwater Contour Based on October 31, 2017, Water Level Measurements
Groundwater Flow Direction (October 2017)
WHTMN03-MW001
(833.60) = Groundwater Elevation (ft NAVD 88) measured on October 31, 2017.
Whiteman Air Force Base
Johnson County, Missouri
Figure 4
Former FTA FT-02 (AFFF Area 3)
Sample Locations and
Potentiometric Contours
Aerostar SES LLC
Drawn: tmorse
Date: 3/22/2018
Service Layer Credits: Google Maps Sat Online Aerial Photography
G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_4_Whiteman_Areas_3_SI.mxd; Date: 3/22/2018





Legend

- Soil Boring with Surface and Subsurface Soil Samples*
- Drainage Divide
- Surface Water
- Gravity Line
- AFFF Inspection Area
- Installation Boundary
- Groundwater Contour based on August 2004 Basewide Water Level Measurements (dashed where inferred) (CH2M Hill, February 2005)
- Groundwater Flow Direction (August 2004)

Note: *Groundwater was not encountered above bedrock; no wells were installed.

N

0 40 80

Feet

Whiteman Air Force Base
Johnson County, Missouri

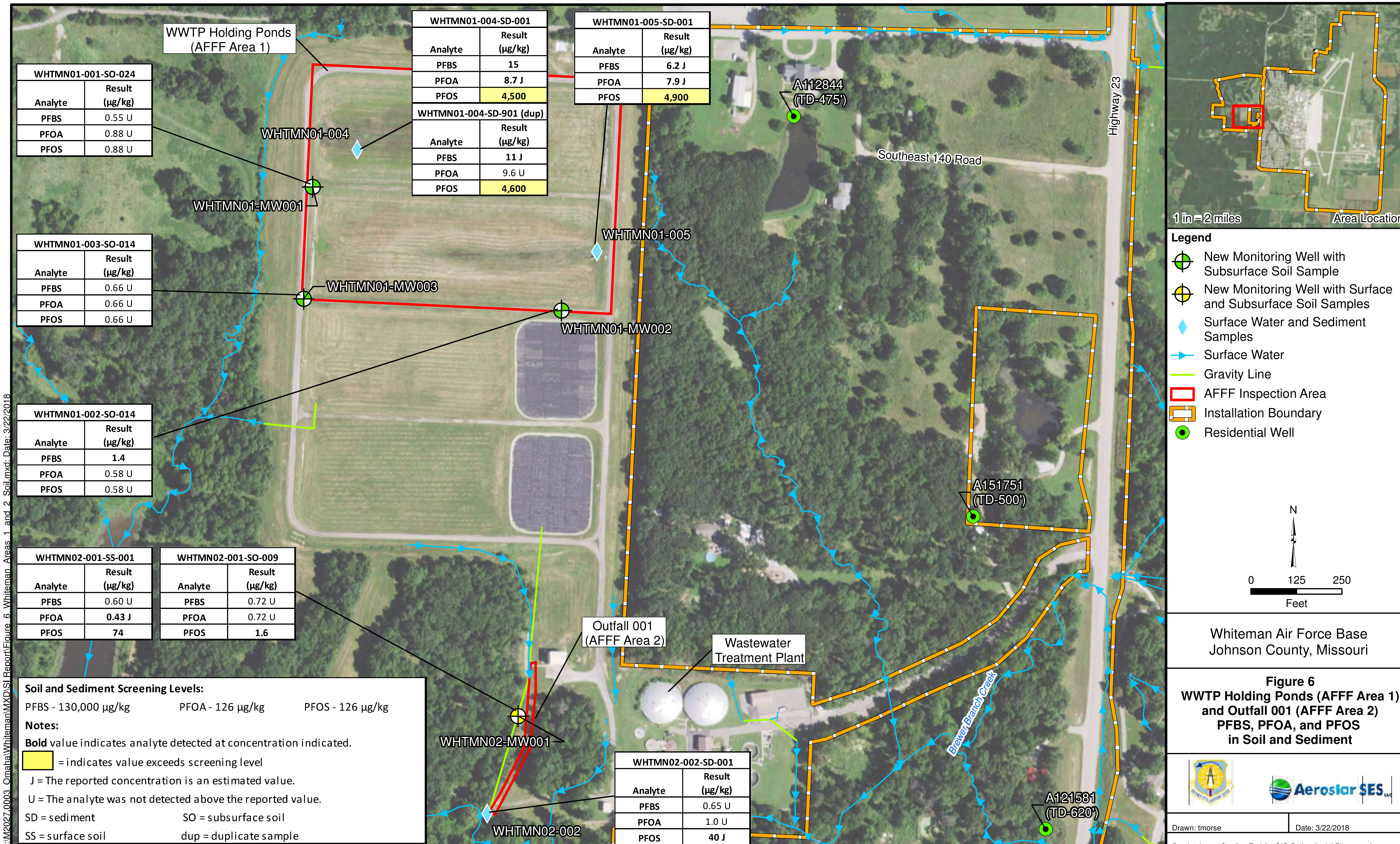
Figure 5
Former FTA FT-16 (AFFF Area 4)
Sample Locations and
Potentiometric Contours

Aerostar SES LLC

Drawn: tmorse | Date: 5/7/2018

Service Layer Credits: Google Maps Sat Online Aerial Photography

G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_5_Whiteman_Areas_4_SI.mxd; Date: 5/7/2018



WHTMN01-001-SO-024

Analyte	Result (µg/kg)
PFBS	0.55 U
PFOA	0.88 U
PFOS	0.88 U

WHTMN01-004-SD-001

Analyte	Result (µg/kg)
PFBS	**15**
PFOA	**8.7 J**
PFOS	**4,500**

WHTMN01-004-SD-901 (dup)

Analyte	Result (µg/kg)
PFBS	**11 J**
PFOA	9.6 U
PFOS	**4,600**

WHTMN01-005-SD-001

Analyte	Result (µg/kg)
PFBS	**6.2 J**
PFOA	**7.9 J**
PFOS	**4,900**

WHTMN01-003-SO-014

Analyte	Result (µg/kg)
PFBS	0.66 U
PFOA	0.66 U
PFOS	0.66 U

WHTMN01-002-SO-014

Analyte	Result (µg/kg)
PFBS	**1.4**
PFOA	0.58 U
PFOS	0.58 U

WHTMN02-001-SS-001

Analyte	Result (µg/kg)
PFBS	0.60 U
PFOA	**0.43 J**
PFOS	**74**

WHTMN02-001-SO-009

Analyte	Result (µg/kg)
PFBS	0.72 U
PFOA	0.72 U
PFOS	**1.6**

WHTMN02-002-SD-001

Analyte	Result (µg/kg)
PFBS	0.65 U
PFOA	1.0 U
PFOS	**40 J**

Soil and Sediment Screening Levels:

PFBS - 130,000 µg/kg PFOA - 126 µg/kg PFOS - 126 µg/kg

Notes:

Bold value indicates analyte detected at concentration indicated.

= indicates value exceeds screening level

J = The reported concentration is an estimated value.

U = The analyte was not detected above the reported value.

SD = sediment SO = subsurface soil

SS = surface soil dup = duplicate sample

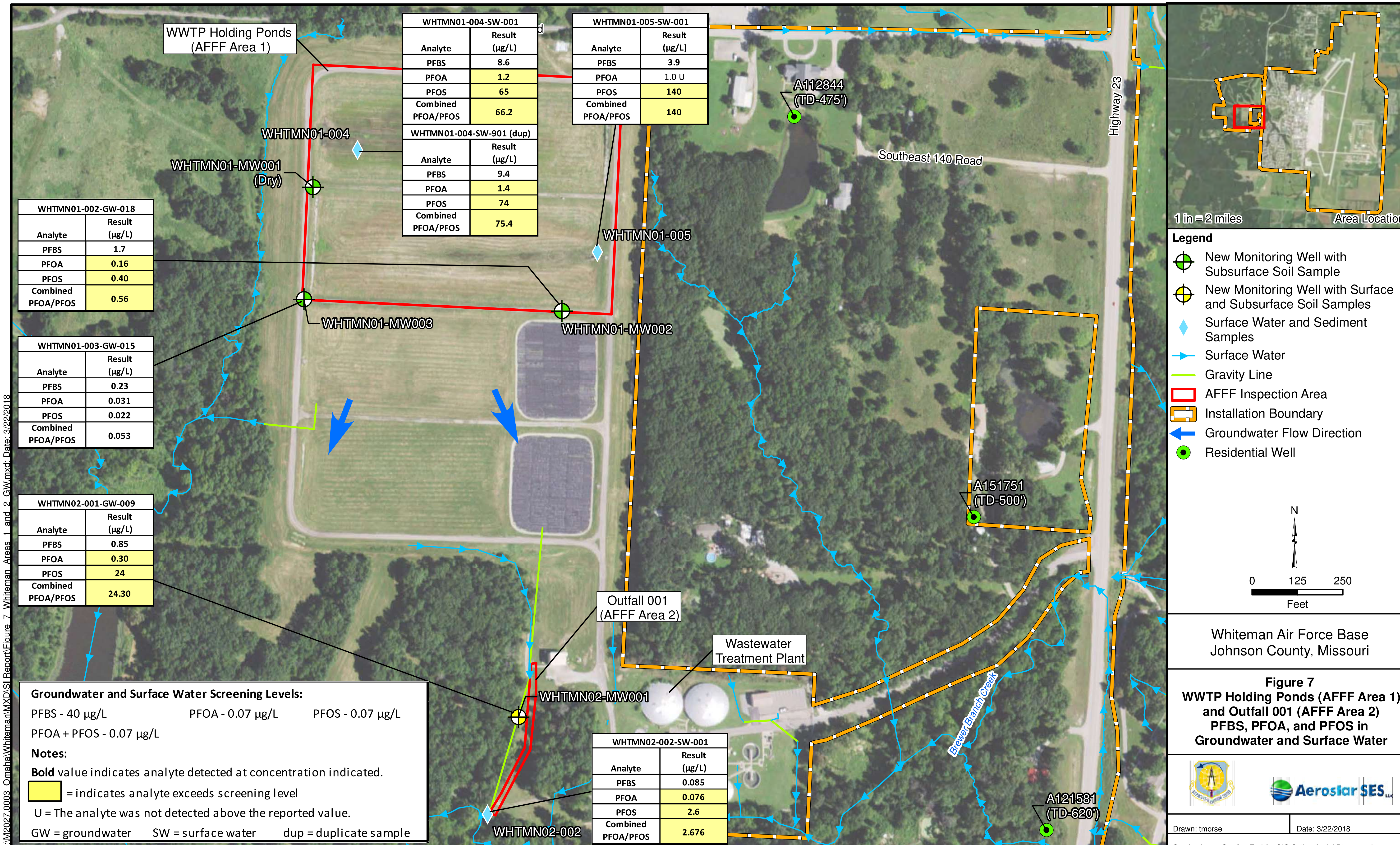
Whiteman Air Force Base
Johnson County, Missouri

Figure 6
WWTP Holding Ponds (AFFF Area 1)
and Outfall 001 (AFFF Area 2)
PFBS, PFOA, and PFOS
in Soil and Sediment

Drawn: tmorse Date: 3/22/2018

Service Layer Credits: Esri ArcGIS Online Aerial Photography

G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_6_Whiteman_Areas_1_and_2_Soil.mxd; Date: 3/22/2018



WHTMN01-004-SW-001	
Analyte	Result (µg/L)
PFBS	8.6
PFOA	1.2
PFOS	65
Combined PFOA/PFOS	66.2

WHTMN01-004-SW-901 (dup)	
Analyte	Result (µg/L)
PFBS	9.4
PFOA	1.4
PFOS	74
Combined PFOA/PFOS	75.4

WHTMN01-005-SW-001	
Analyte	Result (µg/L)
PFBS	3.9
PFOA	1.0 U
PFOS	140
Combined PFOA/PFOS	140

WHTMN01-002-GW-018	
Analyte	Result (µg/L)
PFBS	1.7
PFOA	0.16
PFOS	0.40
Combined PFOA/PFOS	0.56

WHTMN01-003-GW-015	
Analyte	Result (µg/L)
PFBS	0.23
PFOA	0.031
PFOS	0.022
Combined PFOA/PFOS	0.053

WHTMN02-001-GW-009	
Analyte	Result (µg/L)
PFBS	0.85
PFOA	0.30
PFOS	24
Combined PFOA/PFOS	24.30

WHTMN02-002-SW-001	
Analyte	Result (µg/L)
PFBS	0.085
PFOA	0.076
PFOS	2.6
Combined PFOA/PFOS	2.676

Groundwater and Surface Water Screening Levels:

PFBS - 40 µg/L PFOA - 0.07 µg/L PFOS - 0.07 µg/L

PFOA + PFOS - 0.07 µg/L

Notes:

Bold value indicates analyte detected at concentration indicated.

(yellow) = indicates analyte exceeds screening level

U = The analyte was not detected above the reported value.

GW = groundwater SW = surface water dup = duplicate sample

Whiteman Air Force Base
Johnson County, Missouri

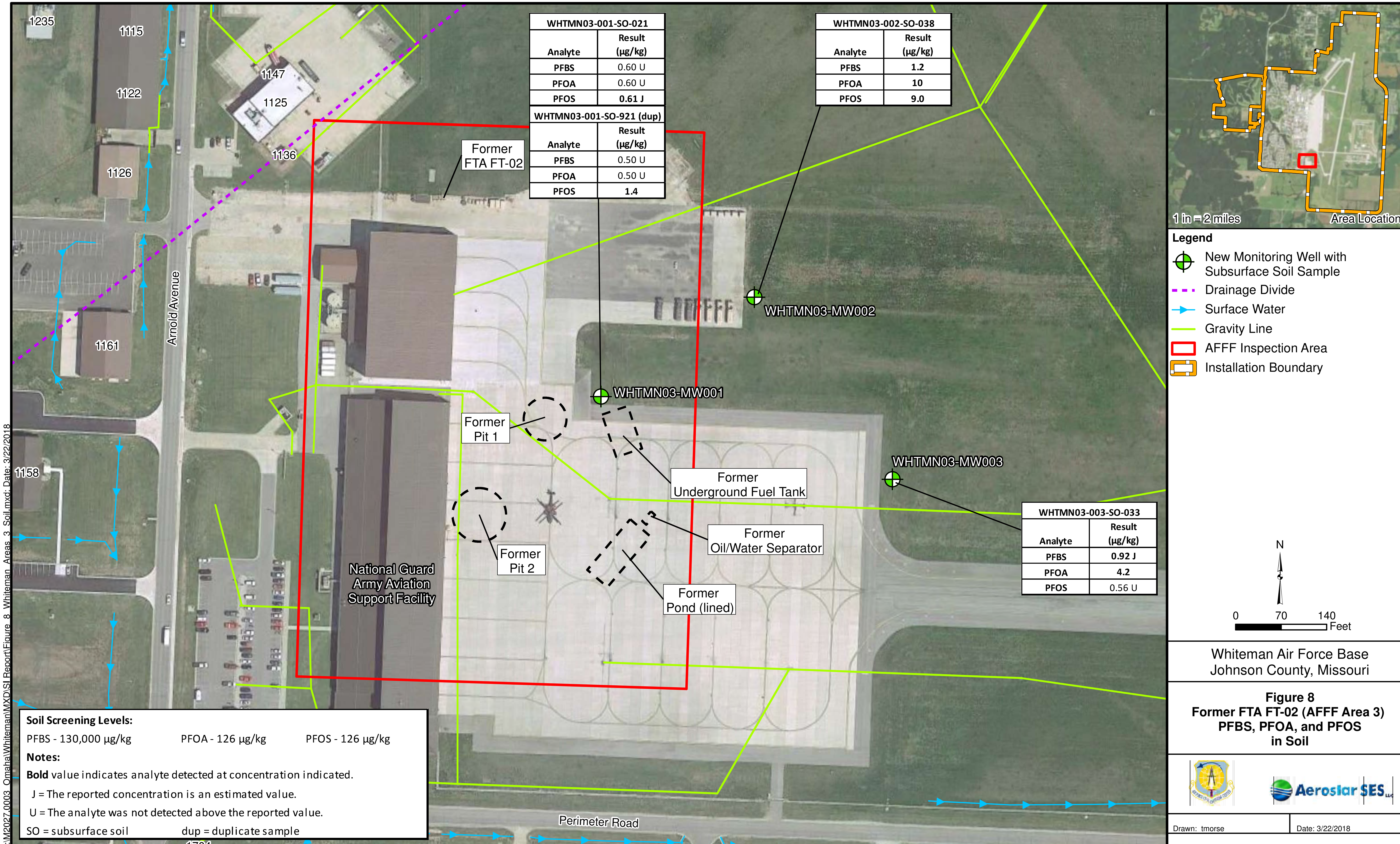
Figure 7
WWTP Holding Ponds (AFFF Area 1) and Outfall 001 (AFFF Area 2) PFBS, PFOA, and PFOS in Groundwater and Surface Water

Aerostar SES LLC

Drawn: tmorse Date: 3/22/2018

Service Layer Credits: Esri ArcGIS Online Aerial Photography

G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_7_Whiteman_Areas_1_and_2_GW.mxd; Date: 3/22/2018



WHTMN03-001-SO-021	
Analyte	Result (µg/kg)
PFBS	0.60 U
PFOA	0.60 U
PFOS	**0.61 J**

WHTMN03-001-SO-921 (dup)	
Analyte	Result (µg/kg)
PFBS	0.50 U
PFOA	0.50 U
PFOS	**1.4**

WHTMN03-002-SO-038	
Analyte	Result (µg/kg)
PFBS	**1.2**
PFOA	**10**
PFOS	**9.0**

WHTMN03-003-SO-033	
Analyte	Result (µg/kg)
PFBS	**0.92 J**
PFOA	**4.2**
PFOS	0.56 U

Soil Screening Levels:

PFBS - 130,000 µg/kg PFOA - 126 µg/kg PFOS - 126 µg/kg

Notes:

Bold value indicates analyte detected at concentration indicated.

J = The reported concentration is an estimated value.

U = The analyte was not detected above the reported value.

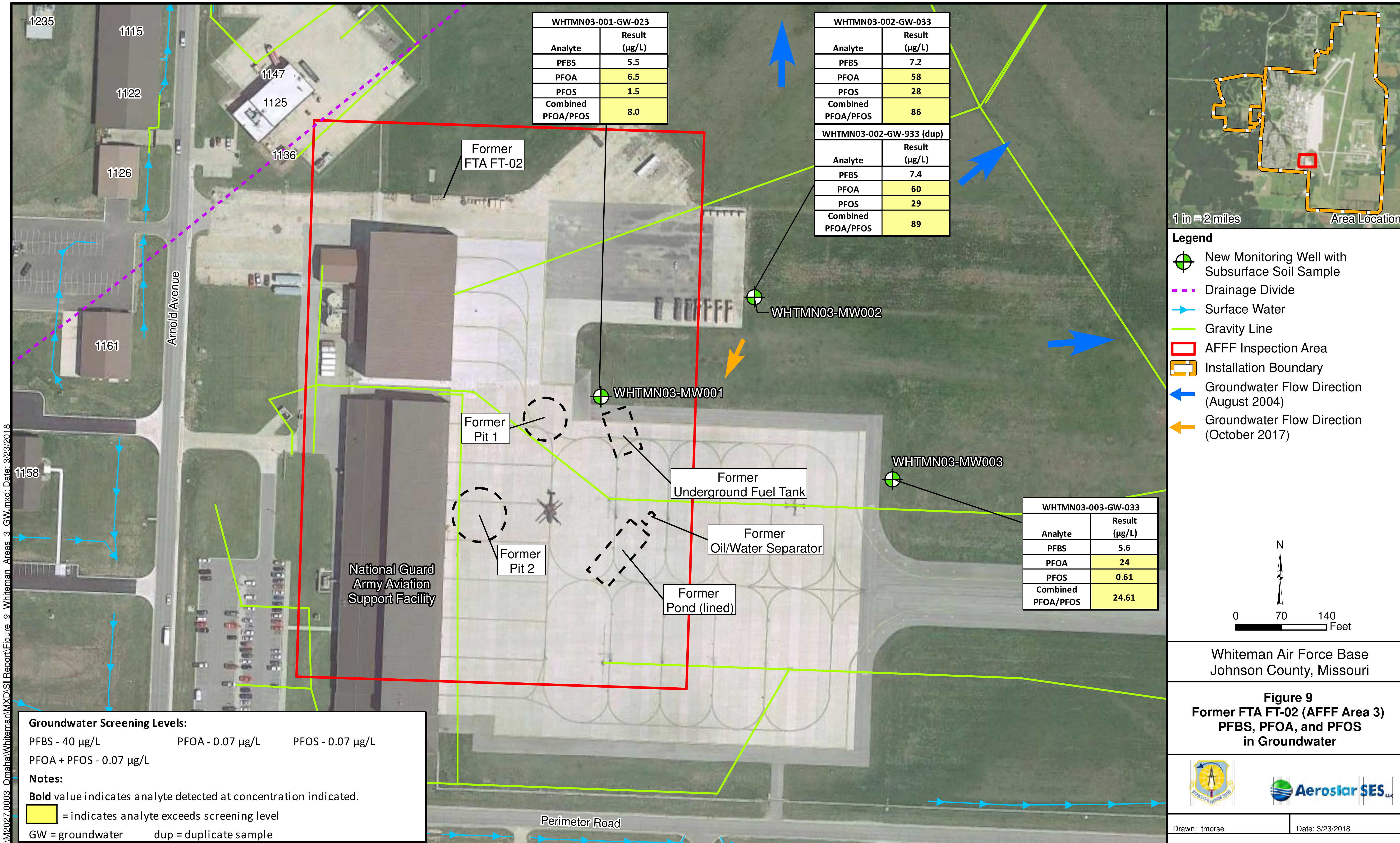
SO = subsurface soil dup = duplicate sample

Whiteman Air Force Base
Johnson County, Missouri

Figure 8
Former FTA FT-02 (AFFF Area 3)
PFBS, PFOA, and PFOS
in Soil

Drawn: tmorse Date: 3/22/2018

Service Layer Credits: Google Maps Sat Online Aerial Photography



WHTMN03-001-GW-023

Analyte	Result (µg/L)
PFBS	5.5
PFOA	6.5
PFOS	1.5
Combined PFOA/PFOS	8.0

WHTMN03-002-GW-033

Analyte	Result (µg/L)
PFBS	7.2
PFOA	58
PFOS	28
Combined PFOA/PFOS	86

WHTMN03-002-GW-933 (dup)

Analyte	Result (µg/L)
PFBS	7.4
PFOA	60
PFOS	29
Combined PFOA/PFOS	89

WHTMN03-003-GW-033

Analyte	Result (µg/L)
PFBS	5.6
PFOA	24
PFOS	0.61
Combined PFOA/PFOS	24.61

Groundwater Screening Levels:

PFBS - 40 µg/L PFOA - 0.07 µg/L PFOS - 0.07 µg/L

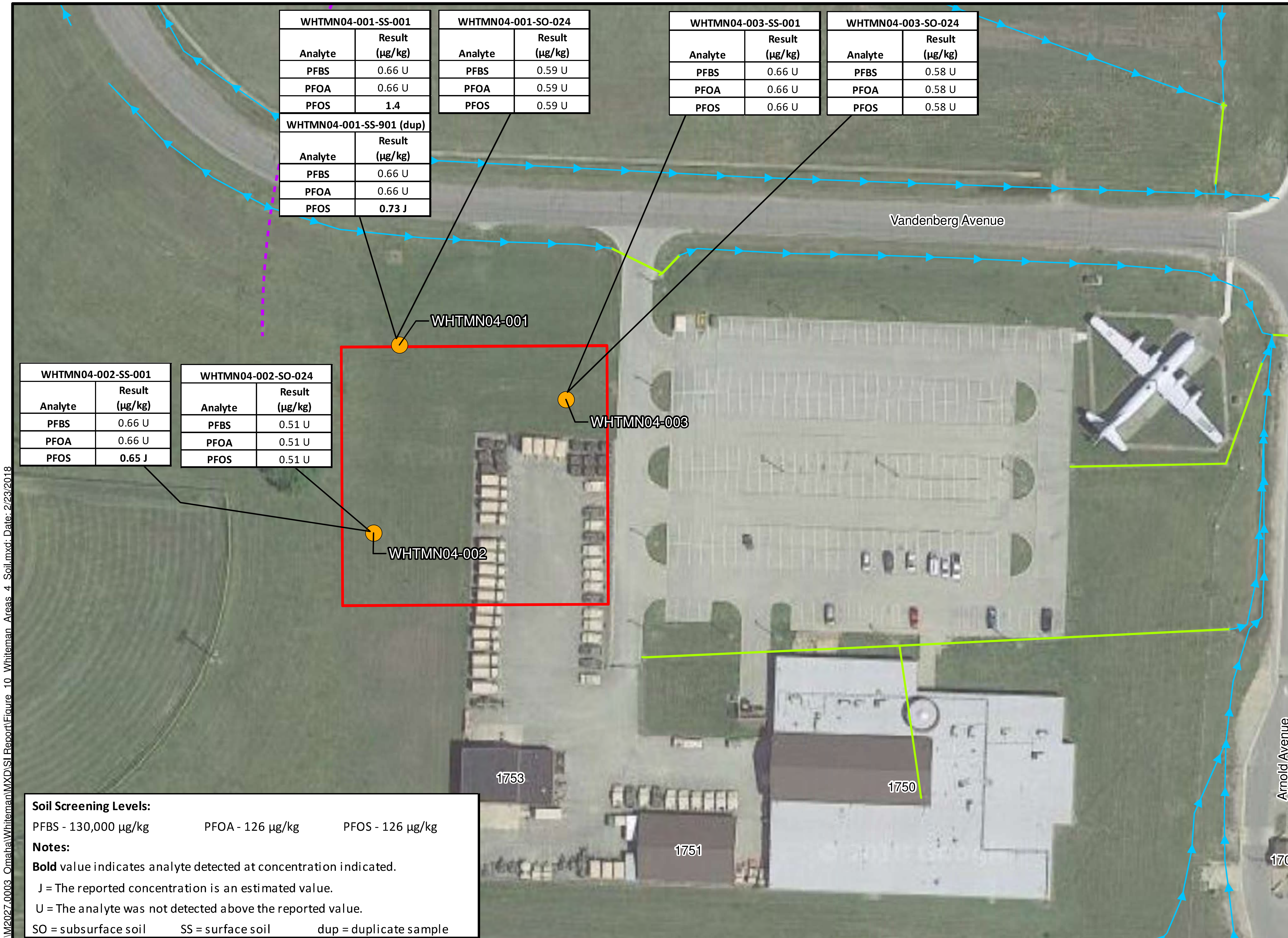
PFOA + PFOS - 0.07 µg/L

Notes:

Bold value indicates analyte detected at concentration indicated.

= indicates analyte exceeds screening level

GW = groundwater dup = duplicate sample



WHTMN04-001-SS-001	
Analyte	Result (µg/kg)
PFBS	0.66 U
PFOA	0.66 U
PFOS	**1.4**

WHTMN04-001-SS-901 (dup)	
Analyte	Result (µg/kg)
PFBS	0.66 U
PFOA	0.66 U
PFOS	**0.73 J**

WHTMN04-001-SO-024	
Analyte	Result (µg/kg)
PFBS	0.59 U
PFOA	0.59 U
PFOS	0.59 U

WHTMN04-003-SS-001	
Analyte	Result (µg/kg)
PFBS	0.66 U
PFOA	0.66 U
PFOS	0.66 U

WHTMN04-003-SO-024	
Analyte	Result (µg/kg)
PFBS	0.58 U
PFOA	0.58 U
PFOS	0.58 U

WHTMN04-002-SS-001	
Analyte	Result (µg/kg)
PFBS	0.66 U
PFOA	0.66 U
PFOS	**0.65 J**

WHTMN04-002-SO-024	
Analyte	Result (µg/kg)
PFBS	0.51 U
PFOA	0.51 U
PFOS	0.51 U

Soil Screening Levels:

PFBS - 130,000 µg/kg PFOA - 126 µg/kg PFOS - 126 µg/kg

Notes:

Bold value indicates analyte detected at concentration indicated.

J = The reported concentration is an estimated value.

U = The analyte was not detected above the reported value.

SO = subsurface soil SS = surface soil dup = duplicate sample

Legend

- Soil Boring with Surface and Subsurface Soil Samples
- Drainage Divide
- Surface Water
- Gravity Line
- AFFF Inspection Area
- Installation Boundary

N

0 40 80

Feet

Whiteman Air Force Base
Johnson County, Missouri

Figure 10
Former FTA FT-16 (AFFF Area 4)
PFBS, PFOA, and PFOS in Soil

Aerostar SES LLC

Drawn: tmorse Date: 2/23/2018

Service Layer Credits: Google Maps Sat Online Aerial Photography

G:\M2027.0003_Omaha\Whiteman\MXD\SI Report\Figure_10_Whiteman_Areas_4_Soil.mxd; Date: 2/23/2018

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE

Whiteman Flight Facility
1150 Arnold Ave
Whiteman Air Force B, MO 65305

Inquiry Number: 5722495.3
July 19, 2019

Certified Sanborn® Map Report

EDR®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/19/19

Site Name:	**Client Name:**
Whiteman Flight Facility	AECOM
1150 Arnold Ave	12120 Shamrock Plaza
Whiteman Air Force B, MO 653	Omaha, NE 68154
EDR Inquiry # 5722495.3	Contact: Savannah Irving

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AECOM were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # EA7A-40AB-95AF

PO # NA

Project Whiteman Flight Facility

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: EA7A-40AB-95AF

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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Whiteman Flight Facility

1150 Arnold Ave

Whiteman Air Force B, MO 65305

Inquiry Number: 5722495.5

July 23, 2019

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/23/19

Site Name:

Whiteman Flight Facility
1150 Arnold Ave
Whiteman Air Force B, MO 653
EDR Inquiry # 5722495.5

Client Name:

AECOM
12120 Shamrock Plaza
Omaha, NE 68154
Contact: Savannah Irving

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1996	1"=750'	Flight Date: March 09, 1996	USGS
1990	1"=750'	Flight Date: March 02, 1990	USGS
1984	1"=1000'	Flight Date: October 19, 1984	USGS
1980	1"=750'	Flight Date: March 21, 1980	USGS
1978	1"=500'	Flight Date: July 08, 1978	USGS
1952	1"=500'	Flight Date: September 02, 1952	USGS
1950	1"=750'	Flight Date: March 06, 1950	USGS

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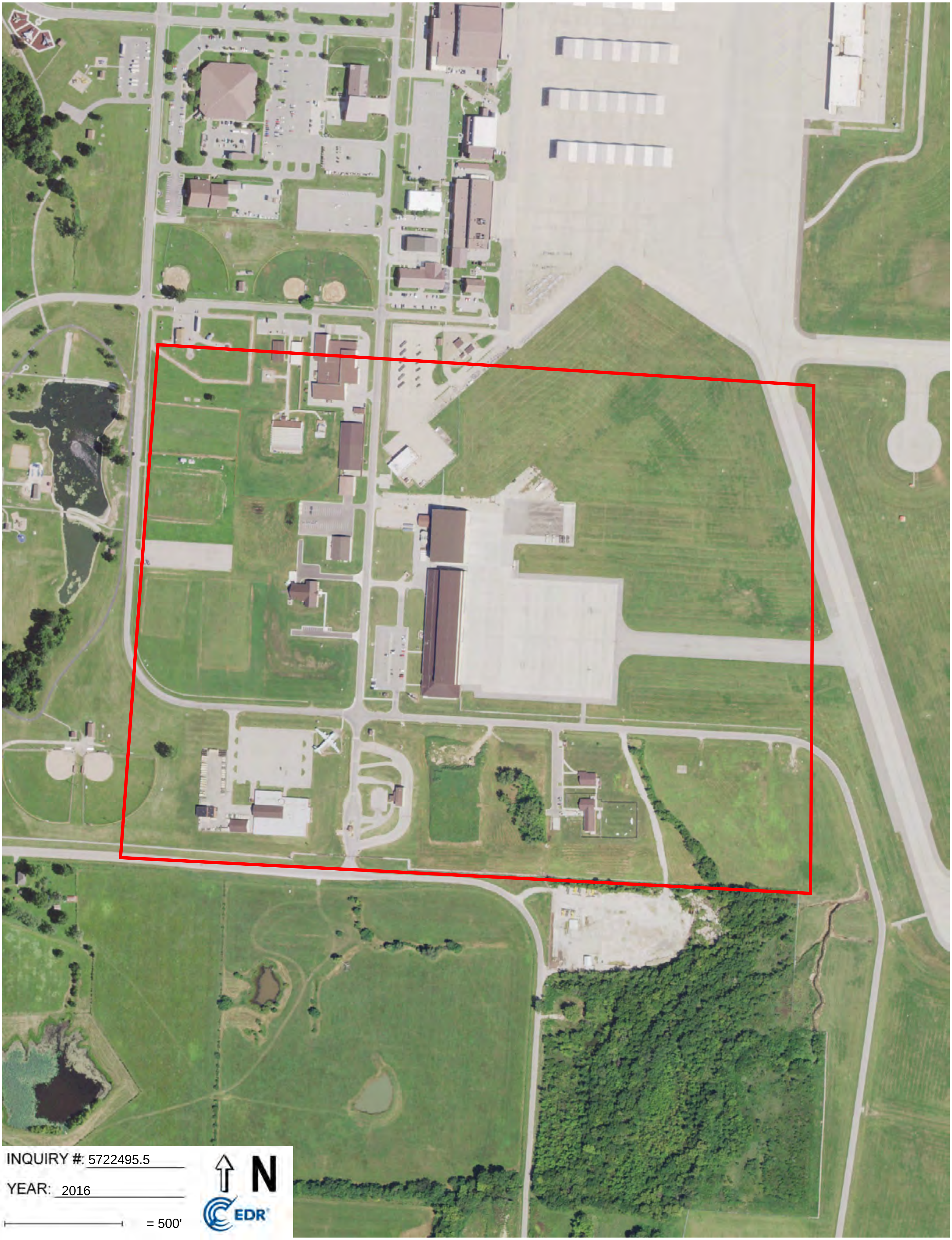

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YEAR: 2016

= 500'

N

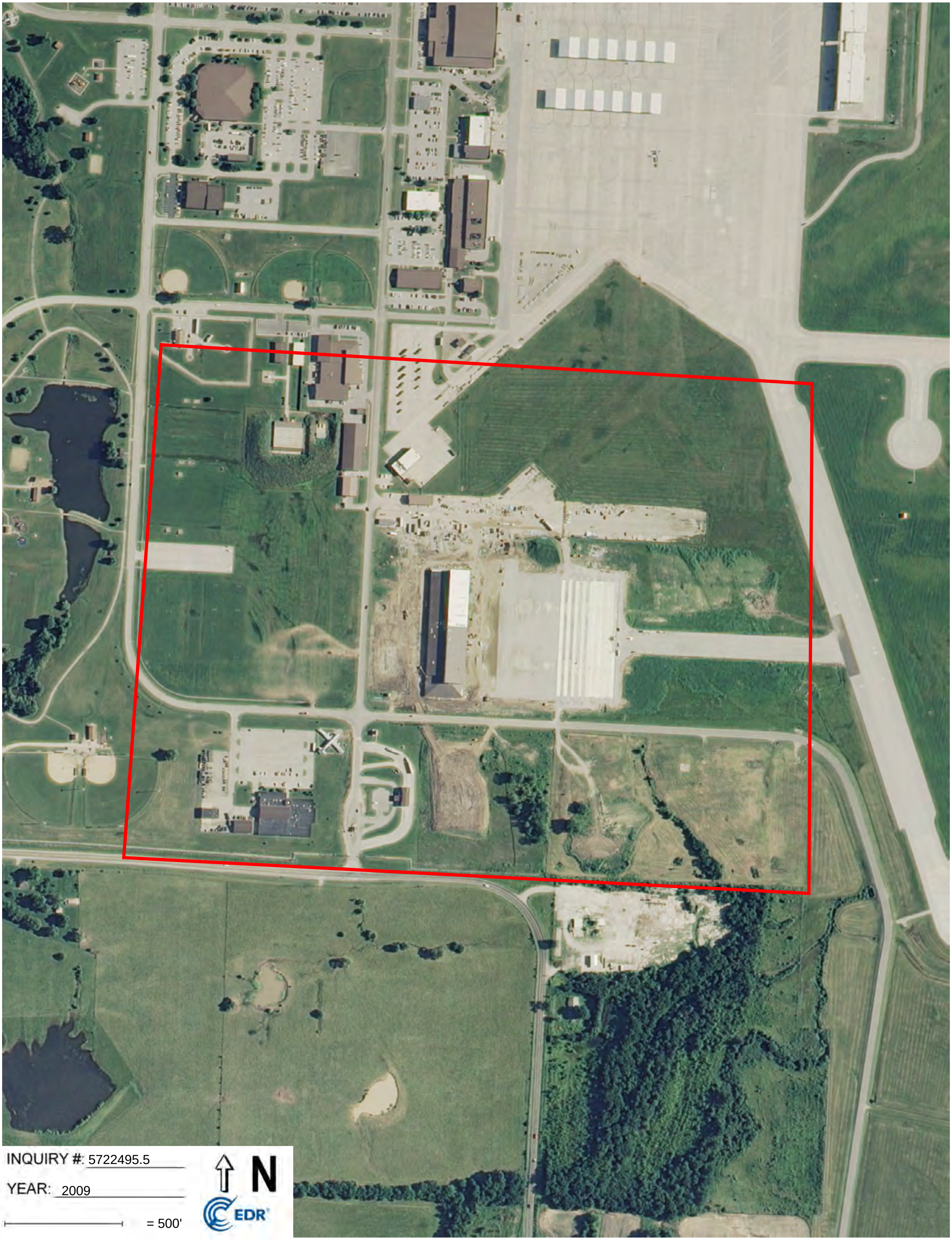
INQUIRY #: 5722495.5

YEAR: 2012

= 500'

N

EDR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= 500'
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EDR

INQUIRY #: 5722495.5

YEAR: 2006

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INQUIRY #: 5722495.5

YEAR: 1996

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

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YEAR: 1996

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5722495.5

YEAR: 1990

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

INQUIRY #: 5722495.5

YEAR: 1984

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


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YEAR: 1980
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EDR
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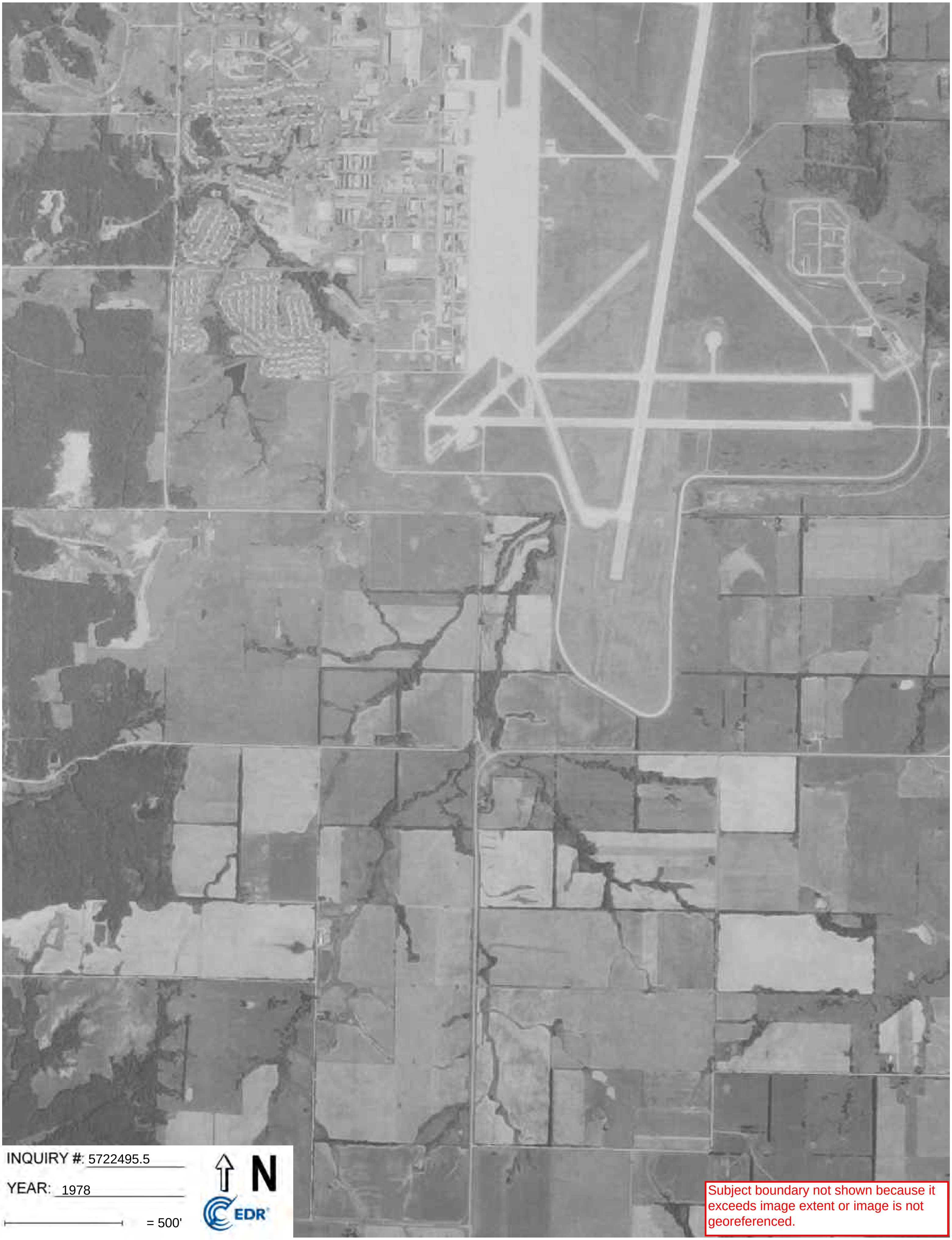

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EDR

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YEAR: 1952

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EDR

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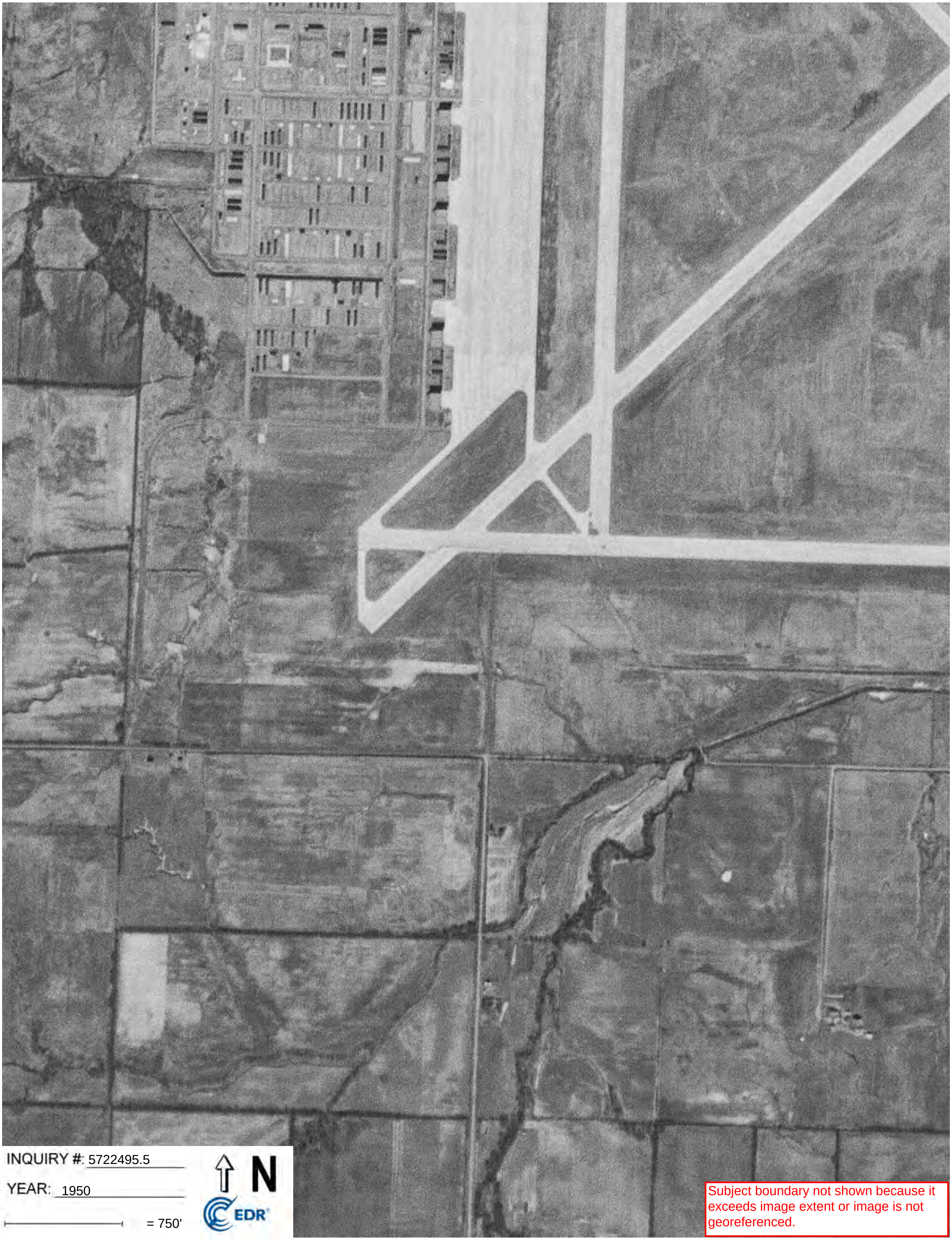

INQUIRY #: 5722495.5

YEAR: 1950

= 750'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Whiteman Flight Facility
1150 Arnold Ave
Whiteman Air Force B, MO 65305

Inquiry Number: 5722495.2s
July 19, 2019

The EDR Radius Map™ Report with GeoCheck®

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Shelton, CT 06484
Toll Free: 800.352.0050
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TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1150 ARNOLD AVE
WHITEMAN AIR FORCE B, MO 65305

COORDINATES

Latitude (North):	38.7169350 - 38˚ 43' 0.96''
Longitude (West):	93.5631180 - 93˚ 33' 47.22''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	451043.5
UTM Y (Meters):	4285308.5
Elevation:	848 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6727022 BURTVILLE, MO
Version Date:	2015

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140715
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1150 ARNOLD AVE
WHITEMAN AIR FORCE B, MO 65305

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	WHITEMAN AIR FORCE B		DOD	Same	1 ft.
A1	WHITEMAN AFB	660 10TH ST SUITE 21	SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG, US INST...	Lower	1349, 0.255, North
A2	FIRE STATION BLDG 34	660 10TH ST SUITE 21	MO LUST, MO UST	Lower	1349, 0.255, North
3	FACILITY 650-2	VANDENBERG AVE AND 9	MO LUST, MO UST	Lower	2160, 0.409, NNW
B4	WHITEMAN AFB OSCAR-3	T.46N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B5	WHITEMAN AFB NOVEMBE	T.49N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B6	WHITEMAN AFB OSCAR-2	T.47N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B7	WHITEMAN AFB BRAVO-9	T.48N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B8	WHITEMAN AFB OSCAR-5	T.46N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B9	WHITEMAN AFB NOVEMBE	T.48N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B10	WHITEMAN AFB ALPHA-1	T.50N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B11	WHITEMAN AFB NOVEMBE	T.49N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B12	WHITEMAN AFB MIKE-11	T.47N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B13	WHITEMAN AFB NOVEMBE	T.49N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B14	WHITEMAN AFB NOVEMBE	T.49N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B15	WHITEMAN AFB DELTA-3	T.46N, R.16W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B16	WHITEMAN AFB GOLF-6	T.36N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B17	WHITEMAN AFB GOLF-7	T.36N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B18	WHITEMAN AFB DELTA-8	T.42N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B19	WHITEMAN AFB DELTA-2	T.45N, R.17W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B20	WHITEMAN AFB DELTA-1	T.44N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B21	WHITEMAN AFB GOLF-5	T.37N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B22	WHITEMAN AFB DELTA-1	T.45N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B23	WHITEMAN AFB ECHO-2	T.45N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B24	WHITEMAN AFB ECHO-4	T.43N, R.20W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B25	WHITEMAN AFB OSCAR-1	T.46N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B26	WHITEMAN AFB MIKE-10	T.46N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B27	WHITEMAN AFB OSCAR-1	T.47N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B28	WHITEMAN AFB BRAVO-3	T.48N, R.20W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B29	WHITEMAN AFB BRAVO-2	T.49N, R.21W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B30	WHITEMAN AFB MIKE-5	T.45N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B31	WHITEMAN AFB MIKE-3	T.47N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B32	WHITEMAN AFB MIKE-4	T.46N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B33	WHITEMAN AFB KILO-7	T.40N, R.32W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B34	WHITEMAN AFB KILO-6	T.39N, R.31W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B35	WHITEMAN AFB BRAVO-4	T.48N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B36	WHITEMAN AFB ALPHA-4	T.49N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B37	WHITEMAN AFB ALPHA-6	T.48N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B38	WHITEMAN AFB ALPHA-2	T.50N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North

MAPPED SITES SUMMARY

Target Property Address:
1150 ARNOLD AVE
WHITEMAN AIR FORCE B, MO 65305

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
B39	WHITEMAN AFB ALPHA-3	T.49N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B40	WHITEMAN AFB ALPHA-1	T.50N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B41	WHITEMAN AFB OSCAR-8	T.45N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B42	WHITEMAN AFB OSCAR-9	T.45N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B43	WHITEMAN AFB ALPHA-5	T.48N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B44	WHITEMAN AFB ALPHA-8	T.49N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B45	WHITEMAN AFB ALPHA-9	RT 1	MO LUST, MO UST	Lower	2540, 0.481, North
B46	WHITEMAN AFB CHARLIE	T.48N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B47	WHITEMAN AFB	351 CES/CEV	MO LUST, MO UST	Lower	2540, 0.481, North
B48	WHITEMAN AFB BRAVO-1	RT2	MO LUST, MO UST	Lower	2540, 0.481, North
B49	WHITEMAN AFB CHARLIE	T.47N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B50	WHITEMAN AFB BRAVO-1	T.48N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B51	WHITEMAN AFB INDIA-2	T.43N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B52	WHITEMAN AFB INDIA-3	T.44N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B53	WHITEMAN AFB INDIA-4	T.43N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B54	WHITEMAN AFB INDIA-5	T.43N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B55	WHITEMAN AFB INDIA-6	T.42N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B56	WHITEMAN AFB INDIA-1	T.44N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B57	WHITEMAN AFB INDIA-1	T.43N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B58	WHITEMAN AFB HOTEL-1	T.36N, R.29W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B59	WHITEMAN AFB CHARLIE	T.46N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B60	WHITEMAN AFB CHARLIE	T.45N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B61	WHITEMAN AFB CHARLIE	T.46, R.20W, SECTION	MO LUST, MO UST	Lower	2540, 0.481, North
B62	WHITEMAN (EX) ILS MM	HIGHWAY D AND WHITEM	SEMS-ARCHIVE	Lower	2540, 0.481, North
B63	WHITEMAN AFB CHARLIE	RT 3	MO LUST, MO UST	Lower	2540, 0.481, North
B64	WHITEMAN AFB GOLF-11	T.40N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B65	WHITEMAN AFB CHARLIE	T.49N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B66	WHITEMAN AFB GOLF-10	T.39N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B67	WHITEMAN AFB FOXTROT	T.43N, R.21W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B68	WHITEMAN AFB FOXTROT	T.42N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B69	WHITEMAN AFB FOXTROT	T.44N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B70	WHITEMAN AFB FOXTROT	T.44N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B71	WHITEMAN AFB FOXTROT	T.42N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B72	WHITEMAN AFB DELTA-7	T.44N, R.17W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B73	WHITEMAN AFB DELTA-9	T.43N, R.19W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B74	WHITEMAN AFB DELTA-5	T.43N, R.16W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B75	WHITEMAN AFB FOXTROT	T.42N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B76	WHITEMAN AFB DELTA-6	T.43N, R.17W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B77	WHITEMAN AFB FOXTROT	T.42N, R.23W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North

MAPPED SITES SUMMARY

Target Property Address:
1150 ARNOLD AVE
WHITEMAN AIR FORCE B, MO 65305

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
B78	WHITEMAN AFB INDIA-7	T.41N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B79	WHITEMAN AFB INDIA-8	T.42N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B80	WHITEMAN AFB INDIA-9	T.42N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B81	WHITEMAN AFB CHARLIE	T.46N, R.18W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B82	WHITEMAN AFB INDIA-1	T.44N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B83	WHITEMAN AFB FOXTROT	T.43N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B84	WHITEMAN AFB FOXTROT	T.41N, R.24W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B85	WHITEMAN AFB GOLF-4	T.39N, R.25W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B86	WHITEMAN AFB GOLF-2	T.40N, R.26W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B87	WHITEMAN AFB FOXTROT	T.45N, R.22W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B88	WHITEMAN AFB LIMA-10	T.42N, R.32W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B89	WHITEMAN AFB MIKE-6	T-45N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B90	WHITEMAN AFB MIKE-2	T.47N, R.27W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B91	WHITEMAN AFB LIMA-11	T.43N, R.31W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B92	WHITEMAN AFB LIMA-8	T.43N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B93	WHITEMAN AFB MIKE-7	T-45N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B94	WHITEMAN AFB MIKE-9	T.45N, R.28W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
B95	WHITEMAN AFB MIKE-8	T.45N, R.29W, SECTIO	MO LUST, MO UST	Lower	2540, 0.481, North
C96	SMALL ARMS RANGE		UXO	Lower	3187, 0.604, North
C97	.50 CALIBER FIRING R		UXO	Lower	3187, 0.604, North
98	WHITEMAN ILS MM ANX		FUDS	Higher	3253, 0.616, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL - National Priority List
Proposed NPL - Proposed National Priority List Sites
NPL LIENS - Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL - National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY - Federal Facility Site Information listing

Federal RCRA generators list

RCRA-SQG - RCRA - Small Quantity Generators
RCRA-CESQG - RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS - Land Use Control Information System
US ENG CONTROLS - Engineering Controls Sites List

Federal ERNS list

ERNS - Emergency Response Notification System

State- and tribal - equivalent CERCLIS

MO SHWS - Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State and tribal landfill and/or solid waste disposal site lists

MO SWF/LF - Permitted Facility List

State and tribal leaking storage tank lists

MO LAST - Leaking Aboveground Storage Tanks

INDIAN LUST - - - - - - - - - - - - - - - Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST - - - - - - - - - - - - - - - - - Underground Storage Tank Listing
MO AST - Aboveground Petroleum Storage Tanks
INDIAN UST - - - - - - - - - - - - - - - - Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

MO AUL - Sites with Controls

State and tribal voluntary cleanup sites

MO VCP - Voluntary Cleanup Program Site Listing
INDIAN VCP - - - - - - - - - - - - - - - - Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

MO BROWNFIELDS - - - - - - - - - Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - - - - - - - - - A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

MO HIST LF - - - - - - - - - - - - - - - - Solid Waste Facility Database List
MO SWRCY - - - - - - - - - - - - - - - - Solid Waste Recycling Facilities
INDIAN ODI - - - - - - - - - - - - - - - - Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 - - - - - - - - - - Torres Martinez Reservation Illegal Dump Site Locations
ODI - Open Dump Inventory
IHS OPEN DUMPS - - - - - - - - - - Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL - - - - - - - - - - - - - - - Delisted National Clandestine Laboratory Register
MO CDL - Environmental Emergency Response System
MO DEL SHWS - - - - - - - - - - - - - Registry Sites Withdrawn or Deleted
US CDL - National Clandestine Laboratory Register

Local Land Records

LIENS 2 - CERCLA Lien Information

Records of Emergency Release Reports

HMIRS - Hazardous Materials Information Reporting System
MO SPILLS - - - - - - - - - - - - - - - - - - Environmental Response Tracking Database
MO SPILLS 90 - - - - - - - - - - - - - - SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR - - - - - - - - RCRA - Non Generators / No Longer Regulated

EXECUTIVE SUMMARY

SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
MO AIRS	Permit Facility Listing
MO ASBESTOS	Asbestos Notification Listing
MO COAL ASH	Coal Ash Disposal Sites
MO DRYCLEANERS	Drycleaners in Missouri Listing
MO Financial Assurance	Financial Assurance Information Listing
MO MINES	Industrial Mineral Mines Database
MO NPDES	Permitted Facility Listing
MO RRC	Certified Hazardous Waste Resource Recovery Facilities
MO SMARS	Site Management and Reporting System
MO UIC	Underground Injection Wells Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

MO RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

MO RGA LF................ Recovered Government Archive Solid Waste Facilities List
MO RGA LUST.............. Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 04/11/2019 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AFB Site ID: 0701788 EPA Id: MO8571924549	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A1***	***8***

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/11/2019 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN (EX) ILS MM	HIGHWAY D AND WHITEM	N 1/4 - 1/2 (0.481 mi.)	B62	693

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AFB EPA ID:: MO8571924549	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A1***	***8***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/25/2019 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AFB EPA ID:: MO8571924549	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A1***	***8***

Federal institutional controls / engineering controls registries

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 01/31/2019 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AFB	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A1***	***8***

EXECUTIVE SUMMARY

EPA ID:: MO8571924549

State and tribal leaking storage tank lists

MO LUST: Leaking Underground Storage Tanks.

A review of the MO LUST list, as provided by EDR, and dated 03/07/2019 has revealed that there are 93 MO LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FIRE STATION BLDG 34	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A2***	***75***
Facility Id: ST0008247 Facility Id: ST0020306 Date Of NFA Letter From DNR: 2005-08-16 00:00:00 Date Of NFA Letter From DNR: 2013-01-08 00:00:00				
FACILITY 650-2	***VANDENBERG AVE AND 9***	***NNW 1/4 - 1/2 (0.409 mi.)***	***3***	***462***
Facility Id: ST0008245				
WHITEMAN AFB OSCAR-3	***T.46N, R.24W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B4***	***465***
Facility Id: ST0019611 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB NOVEMBE	***T.49N, R.27W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B5***	***468***
Facility Id: ST0019599				
WHITEMAN AFB OSCAR-2	***T.47N, R.24W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B6***	***470***
Facility Id: ST0019610 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB BRAVO-9	***T.48N, R.22W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B7***	***473***
Facility Id: ST0019641 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB OSCAR-5	***T.46N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B8***	***475***
Facility Id: ST0019613 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB NOVEMBE	***T.48N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B9***	***478***
Facility Id: ST0019603 Date Of NFA Letter From DNR: 1996-05-29 00:00:00				
WHITEMAN AFB ALPHA-1	***T.50N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B10***	***481***
Facility Id: ST0019630 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB NOVEMBE	***T.49N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B11***	***483***
Facility Id: ST0019602 Date Of NFA Letter From DNR: 1996-05-29 00:00:00				
WHITEMAN AFB MIKE-11	***T.47N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B12***	***486***
Facility Id: ST0019596				
WHITEMAN AFB NOVEMBE	***T.49N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B13***	***488***
Facility Id: ST0019601 Date Of NFA Letter From DNR: 1996-05-29 00:00:00				
WHITEMAN AFB NOVEMBE	***T.49N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B14***	***491***
Facility Id: ST0019608				

Date Of NFA Letter From DNR: 1996-05-29 00:00:00				
WHITEMAN AFB DELTA-3	***T.46N, R.16W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B15***	***494***
Facility Id: ST0019659 Date Of NFA Letter From DNR: 1996-04-15 00:00:00				
WHITEMAN AFB GOLF-6	***T.36N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B16***	***496***
Facility Id: ST0019698 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB GOLF-7	***T.36N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B17***	***499***
Facility Id: ST0019699 Date Of NFA Letter From DNR: 1996-02-10 00:00:00				
WHITEMAN AFB DELTA-8	***T.42N, R.18W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B18***	***501***
Facility Id: ST0019664 Date Of NFA Letter From DNR: 1996-04-15 00:00:00				
WHITEMAN AFB DELTA-2	***T.45N, R.17W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B19***	***504***
Facility Id: ST0019658 Date Of NFA Letter From DNR: 1996-04-15 00:00:00				
WHITEMAN AFB DELTA-1	***T.44N, R.19W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B20***	***507***
Facility Id: ST0019666 Date Of NFA Letter From DNR: 1996-04-15 00:00:00				
WHITEMAN AFB GOLF-5	***T.37N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B21***	***509***
Facility Id: ST0019697 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB DELTA-1	***T.45N, R.18W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B22***	***512***
Facility Id: ST0019667 Date Of NFA Letter From DNR: 1996-04-15 00:00:00				
WHITEMAN AFB ECHO-2	***T.45N, R.19W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B23***	***514***
Facility Id: ST0019670 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB ECHO-4	***T.43N, R.20W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B24***	***517***
Facility Id: ST0019672 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB OSCAR-1	***T.46N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B25***	***520***
Facility Id: ST0019618				
WHITEMAN AFB MIKE-10	***T.46N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B26***	***522***
Facility Id: ST0019595				
WHITEMAN AFB OSCAR-1	***T.47N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B27***	***525***
Facility Id: ST0019619				
WHITEMAN AFB BRAVO-3	***T.48N, R.20W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B28***	***527***
Facility Id: ST0019635 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB BRAVO-2	***T.49N, R.21W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B29***	***530***
Facility Id: ST0019634 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB MIKE-5	***T.45N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B30***	***533***
Facility Id: ST0019590				
WHITEMAN AFB MIKE-3	***T.47N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B31***	***535***
Facility Id: ST0019588 Date Of NFA Letter From DNR: 1994-12-13 00:00:00				
WHITEMAN AFB MIKE-4	***T.46N, R.27W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B32***	***538***

Facility Id: ST0019589				
WHITEMAN AFB KILO-7	***T.40N, R.32W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B33***	***540***
Facility Id: ST0019568 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB KILO-6	***T.39N, R.31W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B34***	***543***
Facility Id: ST0019567 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB BRAVO-4	***T.48N, R.19W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B35***	***546***
Facility Id: ST0019636 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB ALPHA-4	***T.49N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B36***	***548***
Facility Id: ST0019624 Date Of NFA Letter From DNR: 1996-06-04 00:00:00				
WHITEMAN AFB ALPHA-6	***T.48N, R.24W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B37***	***551***
Facility Id: ST0019626 Date Of NFA Letter From DNR: 1996-06-04 00:00:00				
WHITEMAN AFB ALPHA-2	***T.50N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B38***	***553***
Facility Id: ST0019622 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB ALPHA-3	***T.49N, R.22W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B39***	***556***
Facility Id: ST0019623 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB ALPHA-1	***T.50N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B40***	***559***
Facility Id: ST0019631 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB OSCAR-8	***T.45N, R.24W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B41***	***561***
Facility Id: ST0019616				
WHITEMAN AFB OSCAR-9	***T.45N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B42***	***564***
Facility Id: ST0019617				
WHITEMAN AFB ALPHA-5	***T.48N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B43***	***566***
Facility Id: ST0019625 Date Of NFA Letter From DNR: 1996-04-29 00:00:00				
WHITEMAN AFB ALPHA-8	***T.49N, R.24W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B44***	***569***
Facility Id: ST0019628 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB ALPHA-9	***RT 1***	***N 1/4 - 1/2 (0.481 mi.)***	***B45***	***572***
Facility Id: ST0019629 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB CHARLIE	***T.48N, R.18W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B46***	***574***
Facility Id: ST0019646 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB	***351 CES/CEV***	***N 1/4 - 1/2 (0.481 mi.)***	***B47***	***577***
Facility Id: ST0013623				
WHITEMAN AFB BRAVO-1	***RT2***	***N 1/4 - 1/2 (0.481 mi.)***	***B48***	***656***
Facility Id: ST0019643 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB CHARLIE	***T.47N, R.18W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B49***	***659***
Facility Id: ST0019648 Date Of NFA Letter From DNR: 1996-04-12 00:00:00				
WHITEMAN AFB BRAVO-1	***T.48N, R.23W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B50***	***661***

EXECUTIVE SUMMARY

Facility Id: ST0019642
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB INDIA-2 ***T.43N, R.25W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B51*** ***664***
Facility Id: ST0019715
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-3 ***T.44N, R.25W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B52*** ***667***
Facility Id: ST0019716
Date Of NFA Letter From DNR: 1994-02-01 00:00:00

WHITEMAN AFB INDIA-4 ***T.43N, R.25W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B53*** ***669***
Facility Id: ST0019717
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-5 ***T.43N, R.24W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B54*** ***672***
Facility Id: ST0019718
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-6 ***T.42N, R.25W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B55*** ***674***
Facility Id: ST0019719

WHITEMAN AFB INDIA-1 ***T.44N, R.26W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B56*** ***677***
Facility Id: ST0019724
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-1 ***T.43N, R.26W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B57*** ***680***
Facility Id: ST0019713

WHITEMAN AFB HOTEL-1 ***T.36N, R.29W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B58*** ***682***
Facility Id: ST0019712
Date Of NFA Letter From DNR: 1997-11-21 00:00:00

WHITEMAN AFB CHARLIE ***T.46N, R.18W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B59*** ***685***
Facility Id: ST0019650
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB CHARLIE ***T.45N, R.19W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B60*** ***687***
Facility Id: ST0019651
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB CHARLIE ***T.46, R.20W, SECTION*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B61*** ***690***
Facility Id: ST0019653
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB CHARLIE ***RT 3*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B63*** ***693***
Facility Id: ST0019647
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB GOLF-11 ***T.40N, R.27W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B64*** ***696***
Facility Id: ST0019703
Date Of NFA Letter From DNR: 1996-05-07 00:00:00

WHITEMAN AFB CHARLIE ***T.49N, R.19W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B65*** ***699***
Facility Id: ST0019655
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB GOLF-10 ***T.39N, R.28W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B66*** ***701***
Facility Id: ST0019702
Date Of NFA Letter From DNR: 1996-05-07 00:00:00

WHITEMAN AFB FOXTROT ***T.43N, R.21W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B67*** ***704***
Facility Id: ST0019684
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB FOXTROT ***T.42N, R.22W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B68*** ***706***

Facility Id: ST0019686
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB FOXTROT ***T.44N, R.23W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B69*** ***709***
Facility Id: ST0019691
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB FOXTROT ***T.44N, R.24W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B70*** ***712***
Facility Id: ST0019690
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB FOXTROT ***T.42N, R.24W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B71*** ***714***
Facility Id: ST0019689
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB DELTA-7 ***T.44N, R.17W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B72*** ***717***
Facility Id: ST0019663
Date Of NFA Letter From DNR: 1996-04-15 00:00:00

WHITEMAN AFB DELTA-9 ***T.43N, R.19W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B73*** ***719***
Facility Id: ST0019665
Date Of NFA Letter From DNR: 1996-04-15 00:00:00

WHITEMAN AFB DELTA-5 ***T.43N, R.16W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B74*** ***722***
Facility Id: ST0019661
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB FOXTROT ***T.42N, R.22W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B75*** ***725***
Facility Id: ST0019685
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB DELTA-6 ***T.43N, R.17W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B76*** ***727***
Facility Id: ST0019662
Date Of NFA Letter From DNR: 1996-04-15 00:00:00

WHITEMAN AFB FOXTROT ***T.42N, R.23W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B77*** ***730***
Facility Id: ST0019687
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB INDIA-7 ***T.41N, R.25W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B78*** ***732***
Facility Id: ST0019720
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-8 ***T.42N, R.26W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B79*** ***735***
Facility Id: ST0019721
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB INDIA-9 ***T.42N, R.27W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B80*** ***738***
Facility Id: ST0019722
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB CHARLIE ***T.46N, R.18W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B81*** ***740***
Facility Id: ST0019649
Date Of NFA Letter From DNR: 1996-04-12 00:00:00

WHITEMAN AFB INDIA-1 ***T.44N, R.26W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B82*** ***743***
Facility Id: ST0019723
Date Of NFA Letter From DNR: 1994-02-16 00:00:00

WHITEMAN AFB FOXTROT ***T.43N, R.22W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B83*** ***745***
Facility Id: ST0019683
Date Of NFA Letter From DNR: 1994-12-08 00:00:00

WHITEMAN AFB FOXTROT ***T.41N, R.24W, SECTIO*** ***N 1/4 - 1/2 (0.481 mi.)*** ***B84*** ***748***
Facility Id: ST0019688

Date Of NFA Letter From DNR: 1994-12-13 00:00:00

WHITEMAN AFB GOLF-4	***T.39N, R.25W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B85***	***751***
Facility Id: ST0019696 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB GOLF-2	***T.40N, R.26W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B86***	***753***
Facility Id: ST0019694 Date Of NFA Letter From DNR: 1996-05-02 00:00:00				
WHITEMAN AFB FOXTROT	***T.45N, R.22W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B87***	***756***
Facility Id: ST0019682 Date Of NFA Letter From DNR: 1994-12-05 00:00:00				
WHITEMAN AFB LIMA-10	***T.42N, R.32W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B88***	***758***
Facility Id: ST0019583 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB MIKE-6	***T-45N, R.27W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B89***	***761***
Facility Id: ST0019591				
WHITEMAN AFB MIKE-2	***T.47N, R.27W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B90***	***764***
Facility Id: ST0019587 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB LIMA-11	***T.43N, R.31W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B91***	***766***
Facility Id: ST0019584 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB LIMA-8	***T.43N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B92***	***769***
Facility Id: ST0019581 Date Of NFA Letter From DNR: 1997-11-21 00:00:00				
WHITEMAN AFB MIKE-7	***T-45N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B93***	***771***
Facility Id: ST0019592				
WHITEMAN AFB MIKE-9	***T.45N, R.28W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B94***	***774***
Facility Id: ST0019594 Date Of NFA Letter From DNR: 1994-12-13 00:00:00				
WHITEMAN AFB MIKE-8	***T.45N, R.29W, SECTIO***	***N 1/4 - 1/2 (0.481 mi.)***	***B95***	***777***
Facility Id: ST0019593				

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 03/07/2019 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN ILS MM ANX		SSE 1/2 - 1 (0.616 mi.)	98	780

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AIR FORCE B		0 - 1/8 (0.000 mi.)	0	8

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 04/11/2019 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITEMAN AFB EPA ID:: MO8571924549	***660 10TH ST SUITE 21***	***N 1/4 - 1/2 (0.255 mi.)***	***A1***	***8***

UXO: A listing of unexploded ordnance site locations

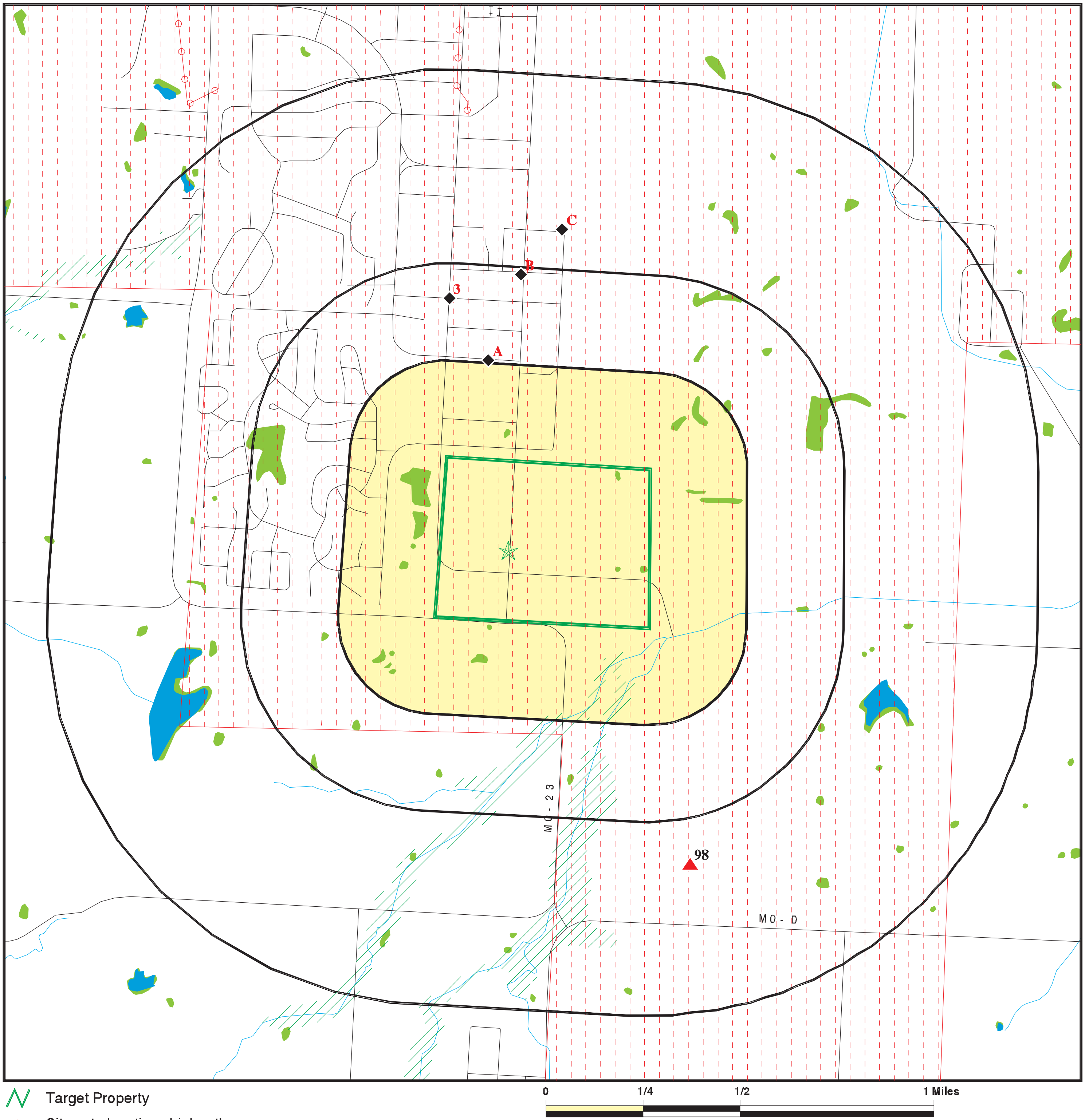
A review of the UXO list, as provided by EDR, and dated 12/31/2017 has revealed that there are 2 UXO sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SMALL ARMS RANGE		N 1/2 - 1 (0.604 mi.)	C96	779
.50 CALIBER FIRING R		N 1/2 - 1 (0.604 mi.)	C97	780

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5722495.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

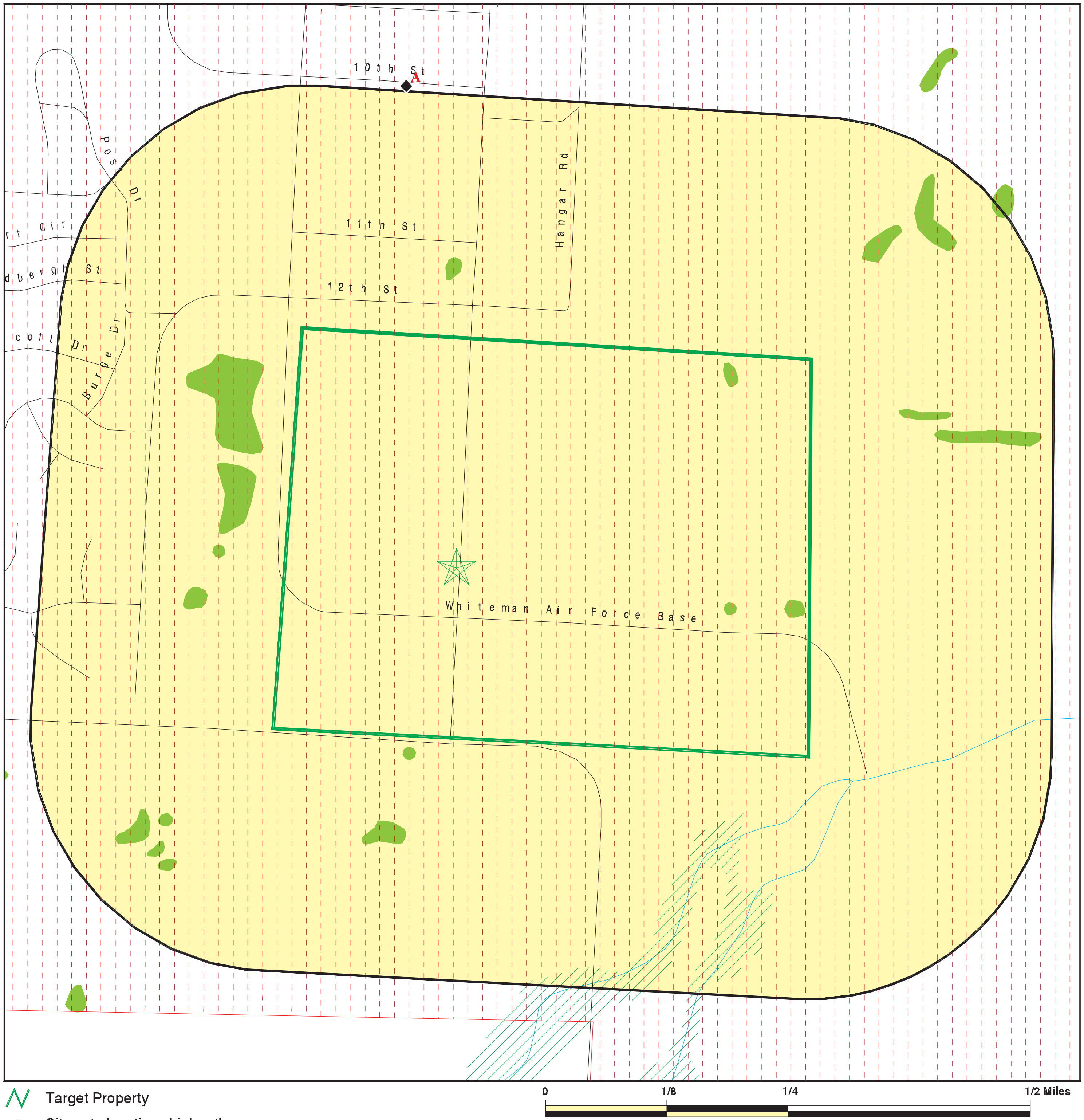
National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Whiteman Flight Facility ADDRESS: 1150 Arnold Ave Whiteman Air Force B MO 65305 LAT/LONG: 38.716935 / 93.563118	CLIENT: AECOM CONTACT: Savannah Irving INQUIRY #: 5722495.2s DATE: July 19, 2019 4:24 pm

DETAIL MAP - 5722495.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Whiteman Flight Facility	CLIENT:	AECOM
ADDRESS:	1150 Arnold Ave Whiteman Air Force B MO 65305	CONTACT:	Savannah Irving
		INQUIRY #:	5722495.2s
LAT/LONG:	38.716935 / 93.563118	DATE:	July 19, 2019 4:24 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
MO SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
MO SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
MO LAST	0.500		0	0	0	NR	NR	0
MO LUST	0.500		0	0	93	NR	NR	93
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MO UST	0.250		0	0	NR	NR	NR	0
MO AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
MO AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
MO VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
MO BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
MO HIST LF	0.500		0	0	0	NR	NR	0
MO SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
MO CDL	TP		NR	NR	NR	NR	NR	0
MO DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
MO SPILLS	TP		NR	NR	NR	NR	NR	0
MO SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		1	0	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	1	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	2	NR	2
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
MO AIRS	TP		NR	NR	NR	NR	NR	0
MO ASBESTOS	TP		NR	NR	NR	NR	NR	0
MO COAL ASH	0.500		0	0	0	NR	NR	0
MO DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MO Financial Assurance	TP		NR	NR	NR	NR	NR	0
WI MANIFEST	0.250		0	0	NR	NR	NR	0
MO MINES	0.250		0	0	NR	NR	NR	0
MO NPDES	TP		NR	NR	NR	NR	NR	0
MO RRC	TP		NR	NR	NR	NR	NR	0
MO SMARS	0.500		0	0	0	NR	NR	0
MO UIC	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
MO RGA HWS	TP		NR	NR	NR	NR	NR	0
MO RGA LF	TP		NR	NR	NR	NR	NR	0
MO RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	1	0	99	3	0	103

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD Region | **WHITEMAN AIR FORCE BASE** | **DOD** | **CUSA134216** | **N/A**

WHITEMAN AIR FORCE BASE (County), MO

< 1/8
1 ft.

DOD:

Feature 1:	Air Force DOD
Feature 2:	Not reported
Feature 3:	Not reported
URL:	Not reported
Name 1:	Whiteman Air Force Base
Name 2:	Not reported
Name 3:	Not reported
State:	MO
DOD Site:	Yes
Tile name:	MOJOHNSON

A1
North
1/4-1/2
0.255 mi.
1349 ft.

Relative:
Lower

Actual:
836 ft.

WHITEMAN AFB
660 10TH ST SUITE 211 509 CES
WHITEMAN AFB, MO 65305

Site 1 of 2 in cluster A

SEMS
CORRACTS
RCRA-TSDF
RCRA-LQG
US INST CONTROL
ROD
WI MANIFEST

1000994127
MO8571924549

SEMS:

Site ID:	0701788
EPA ID:	MO8571924549
Cong District:	04
FIPS Code:	29101
Latitude:	Not reported
Longitude:	Not reported
FF:	Y
NPL:	Not on the NPL
Non NPL Status:	Referred to Removal - NFRAP

SEMS Detail:

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-08-01 04:00:00
Finish Date:	8/1/1980 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00

WHITEMAN AFB (Continued) **1000994127**

Action Code:	AS
Action Name:	AIR SRVY
SEQ:	1
Start Date:	Not reported
Finish Date:	8/22/1991 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	Not reported
Finish Date:	5/10/2005 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	NI
Action Name:	FF FS
SEQ:	1
Start Date:	1999-09-15 04:00:00
Finish Date:	5/10/2005 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1987-02-02 05:00:00
Finish Date:	2/2/1987 5:00:00 AM
Qual:	W
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE

WHITEMAN AFB (Continued) **1000994127**

NPL:	N
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-09-01 05:00:00
Finish Date:	8/24/1986 4:00:00 AM
Qual:	H
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1987-02-02 05:00:00
Finish Date:	2/2/1987 5:00:00 AM
Qual:	W
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	1989-09-18 04:00:00
Finish Date:	3/23/2007 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	02
Action Code:	NI
Action Name:	FF FS
SEQ:	2
Start Date:	1992-02-01 05:00:00
Finish Date:	8/18/2006 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	07

WHITEMAN AFB (Continued) **1000994127**

Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	3
Start Date:	Not reported
Finish Date:	8/18/2006 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00
Action Code:	EE
Action Name:	EE/CA
SEQ:	2
Start Date:	2007-01-31 05:00:00
Finish Date:	6/11/2007 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	NH
Action Name:	FF RI
SEQ:	2
Start Date:	2003-08-06 04:00:00
Finish Date:	9/29/2008 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	Not reported
Finish Date:	3/23/2007 4:00:00 AM
Qual:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	NH
Action Name:	FF RI
SEQ:	1
Start Date:	1992-09-29 04:00:00
Finish Date:	2/28/2005 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	EE
Action Name:	EE/CA
SEQ:	1
Start Date:	Not reported
Finish Date:	4/30/2007 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	2
Start Date:	2007-12-03 05:00:00
Finish Date:	1/31/2008 5:00:00 AM
Qual:	C
Current Action Lead:	Fed Fac
Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	1

WHITEMAN AFB (Continued) **1000994127**

Start Date:	1987-07-09 04:00:00
Finish Date:	7/23/1991 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	5
Start Date:	Not reported
Finish Date:	7/22/2009 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	4
Start Date:	Not reported
Finish Date:	7/26/2009 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	01
Action Code:	LV
Action Name:	FF RV
SEQ:	1
Start Date:	2008-07-14 05:00:00
Finish Date:	7/22/2008 5:00:00 AM
Qual:	C
Current Action Lead:	Fed Fac

Region:	07
Site ID:	0701788
EPA ID:	MO8571924549
Site Name:	WHITEMAN AIR FORCE BASE
NPL:	N
FF:	Y
OU:	00

WHITEMAN AFB (Continued) **1000994127**

Action Code: PA
Action Name: PA
SEQ: 4
Start Date: Not reported
Finish Date: 7/19/1984 5:00:00 AM
Qual: H
Current Action Lead: St Perf

CORRACTS:
EPA ID: MO8571924549
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19950726
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MO8571924549
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19950615
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MO8571924549
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19950615
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MO8571924549
EPA Region: 07
Area Name: ENTIRE FACILITY
Actual Date: 19920128
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: MO8571924549
EPA Region: 07

WHITEMAN AFB (Continued) **1000994127**

Area Name: ENTIRE FACILITY
Actual Date: 19910522
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 08/31/2018
Facility name: WHITEMAN AFB
Facility address: 660 10TH ST SUITE 211 509 CES
WHITEMAN AFB, MO 65305-5316
EPA ID: MO8571924549
Contact: DENVER LONG
Contact address: 660 10TH ST SUITE 211 509 CES
WHITEMAN AFB, MO 65305-5316
Contact country: US
Contact telephone: 660-687-5693
Contact email: DENVER.LONG.2@US.AF.MIL
EPA Region: 07
Land type: Federal
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: US AIR FORCE
Owner/operator address: SPIRIT BLVD, STE 200
WHITEMAN AFB, MO 65305
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 08/01/1951
Owner/Op end date: Not reported

Owner/operator name: US AIR FORCE
Owner/operator address: Not reported

WHITEMAN AFB (Continued) **1000994127**

	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Operator
Owner/Op start date:	08/01/1951
Owner/Op end date:	Not reported

Owner/operator name:	USAF
Owner/operator address:	660 10TH ST SUITE 211 509 CES WHITEMAN AFB, MO 65305
Owner/operator country:	US
Owner/operator telephone:	660-687-5693
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Operator
Owner/Op start date:	03/21/1995
Owner/Op end date:	Not reported

Owner/operator name:	USAF
Owner/operator address:	660 10TH ST SUITE 211 509 CES WHITEMAN AFB, MO 65305
Owner/operator country:	US
Owner/operator telephone:	660-687-5693
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	03/21/1995
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Yes
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	Yes
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Thermostats

WHITEMAN AFB (Continued) **1000994127**

Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/05/2018
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 05/31/2017
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 05/25/2017
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/08/2016
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 10/02/2015
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 06/18/2014
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/06/2014
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 12/20/2013
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/02/2012
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 01/25/2012
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 05/26/2011

WHITEMAN AFB (Continued) **1000994127**

Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 02/26/2008
Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 12/21/2007
Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 02/13/2006
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/05/2004
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/01/2003
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/16/2002
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/08/2002
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998
Site name: 509 CES/CEV
Classification: Large Quantity Generator

Date form received by agency: 02/05/1996
Site name: 509 CES/CEV
Classification: Large Quantity Generator

Date form received by agency: 01/05/1996
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/22/1994
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/03/1993
Site name: WHITEMAN AIR FORCE BASE

WHITEMAN AFB (Continued) **1000994127**

Classification: Large Quantity Generator

Date form received by agency: 02/24/1992
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/20/1992
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/30/1990
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 11/30/1980
Site name: WHITEMAN AIR FORCE BASE
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015

WHITEMAN AFB (Continued) **1000994127**

. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

WHITEMAN AFB (Continued) **1000994127**

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: NONE
. Waste name: None

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P037
. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P052

WHITEMAN AFB (Continued) **1000994127**

. Waste name: Not Defined

. Waste code: P066
. Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U222
. Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 7334

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

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CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 464

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 571

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 968

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 5343

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 19929

Waste code: D008
Waste name: LEAD
Amount (Lbs): 1502

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 198

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 7261

Waste code: D011
Waste name: SILVER
Amount (Lbs): 2504

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 2340

Waste code: D026
Waste name: CRESOL
Amount (Lbs): 358

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 358

Waste code: D030
Waste name: 2,4-DINITROTOLUENE
Amount (Lbs): 358

Waste code: D032
Waste name: HEXACHLOROBENZENE

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Amount (Lbs): 358

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 4098

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 452

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 14423

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 2051

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 19

Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 283

Corrective Action Summary:
Event date: 05/22/1991
Event: REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA

Event date: 01/28/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/15/1995

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Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 06/15/1995
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 07/26/1995
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL

WHITEMAN AFB (Continued) **1000994127**

Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - e03
Area of violation: Generators - Manifest
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - e04
Area of violation: Generators - Manifest
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - h08
Area of violation: Generators - General
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C01
Area of violation: Generators - Pre-transport
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002

WHITEMAN AFB (Continued) **1000994127**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C05
Area of violation: Generators - Pre-transport
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C06
Area of violation: Generators - General
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C07
Area of violation: Generators - General
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/02/1997
Date achieved compliance: 05/24/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/28/1997
Enf. disposition status: Not reported

WHITEMAN AFB (Continued) **1000994127**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/20/1997
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/05/1995
Date achieved compliance: 06/29/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/16/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/02/1994
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 03/02/1994
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

WHITEMAN AFB (Continued) **1000994127**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/08/1993
Date achieved compliance: 03/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/02/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/08/1993
Date achieved compliance: 03/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/02/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/13/1991
Date achieved compliance: 11/29/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

WHITEMAN AFB (Continued) **1000994127**

Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/07/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/07/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Regulation violated:	Not reported
Area of violation:	TSD - General
Date violation determined:	02/09/1989
Date achieved compliance:	12/19/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/06/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	LDR - General
Date violation determined:	02/09/1989
Date achieved compliance:	12/19/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/06/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	LDR - General
Date violation determined:	02/09/1989
Date achieved compliance:	12/19/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/09/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	TSD - General
Date violation determined:	02/09/1989
Date achieved compliance:	12/19/1989
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/09/1989
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Area of violation: LDR - General
Date violation determined: 03/01/1988
Date achieved compliance: 02/24/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/01/1988
Date achieved compliance: 02/24/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/02/1987
Date achieved compliance: 02/13/1987
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/02/1987
Date achieved compliance: 03/01/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General

WHITEMAN AFB (Continued) **1000994127**

Date violation determined: 03/13/1986
Date achieved compliance: 03/22/1986
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 06/01/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 11/05/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 05/23/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance: 11/26/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/29/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985

WHITEMAN AFB (Continued) **1000994127**

Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/24/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/24/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/24/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State

WHITEMAN AFB (Continued) **1000994127**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/28/2018
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/28/2018
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/28/2018
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/28/2018
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/08/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/30/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/07/2004
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/15/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Manifest
Date achieved compliance:	10/16/2003
Evaluation lead agency:	State
Evaluation date:	09/15/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/16/2003
Evaluation lead agency:	State
Evaluation date:	09/10/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/11/2002
Evaluation lead agency:	State
Evaluation date:	09/10/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	09/11/2002
Evaluation lead agency:	State
Evaluation date:	06/26/2002
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/13/2002
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/16/1999
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	05/12/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

WHITEMAN AFB (Continued) **1000994127**

Evaluation date:	02/20/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	05/13/1998
Evaluation lead agency:	State
Evaluation date:	02/19/1997
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Generators - General
Date achieved compliance:	05/24/1997
Evaluation lead agency:	State
Evaluation date:	05/05/1995
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/29/1995
Evaluation lead agency:	State
Evaluation date:	03/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	05/13/1998
Evaluation lead agency:	State
Evaluation date:	03/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	05/13/1998
Evaluation lead agency:	State
Evaluation date:	02/08/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/29/1993
Evaluation lead agency:	State
Evaluation date:	02/08/1993
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	03/29/1993
Evaluation lead agency:	State
Evaluation date:	11/14/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	11/13/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General Facility Standards
Date achieved compliance:	11/29/1991
Evaluation lead agency:	State
Evaluation date:	04/15/1991
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1991
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 02/14/1991
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/14/1991
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/14/1991
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 03/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/15/1990
Evaluation lead agency: State

Evaluation date: 03/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 03/07/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/15/1990
Evaluation lead agency: State

WHITEMAN AFB (Continued) **1000994127**

Evaluation date:	12/19/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	12/19/1989
Evaluation lead agency:	State
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	12/19/1989
Evaluation lead agency:	State
Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	02/24/1989
Evaluation lead agency:	EPA
Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/24/1989
Evaluation lead agency:	EPA
Evaluation date:	02/02/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/01/1988
Evaluation lead agency:	EPA
Evaluation date:	02/02/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/13/1987
Evaluation lead agency:	EPA
Evaluation date:	03/13/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance: 03/22/1986
Evaluation lead agency: EPA

Evaluation date: 10/29/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/23/1985
Evaluation lead agency: State

Evaluation date: 10/29/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/01/1985
Evaluation lead agency: State

Evaluation date: 10/29/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/05/1984
Evaluation lead agency: State

Evaluation date: 10/29/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/26/1984
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 02/27/1985
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/13/1998
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/27/1985
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 08/31/2018
Facility name: WHITEMAN AFB
Facility address: 660 10TH ST SUITE 211 509 CES
WHITEMAN AFB, MO 65305-5316
EPA ID: MO8571924549
Contact: DENVER LONG
Contact address: 660 10TH ST SUITE 211 509 CES
WHITEMAN AFB, MO 65305-5316
Contact country: US
Contact telephone: 660-687-5693
Contact email: DENVER.LONG.2@US.AF.MIL
EPA Region: 07

WHITEMAN AFB (Continued) **1000994127**

Land type:	Federal
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	US AIR FORCE
Owner/operator address:	SPIRIT BLVD, STE 200 WHITEMAN AFB, MO 65305
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	08/01/1951
Owner/Op end date:	Not reported

Owner/operator name:	US AIR FORCE
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Operator
Owner/Op start date:	08/01/1951
Owner/Op end date:	Not reported

Owner/operator name:	USAF
Owner/operator address:	660 10TH ST SUITE 211 509 CES WHITEMAN AFB, MO 65305
Owner/operator country:	US
Owner/operator telephone:	660-687-5693
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Operator
Owner/Op start date:	03/21/1995
Owner/Op end date:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Owner/operator name:	USAF
Owner/operator address:	660 10TH ST SUITE 211 509 CES WHITEMAN AFB, MO 65305
Owner/operator country:	US
Owner/operator telephone:	660-687-5693
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	03/21/1995
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Yes
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	Yes
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Thermostats
Accumulated waste on-site:	Yes
Generated waste on-site:	No
Waste type:	Pesticides
Accumulated waste on-site:	Yes
Generated waste on-site:	No
Waste type:	Batteries
Accumulated waste on-site:	Yes
Generated waste on-site:	No
Waste type:	Lamps
Accumulated waste on-site:	Yes
Generated waste on-site:	No

Historical Generators:

Date form received by agency:	03/05/2018
Site name:	WHITEMAN AIR FORCE BASE
Classification:	Large Quantity Generator
Date form received by agency:	05/31/2017
Site name:	WHITEMAN AIR FORCE BASE
Classification:	Large Quantity Generator

WHITEMAN AFB (Continued) **1000994127**

Date form received by agency: 05/25/2017
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/08/2016
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 10/02/2015
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 06/18/2014
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/06/2014
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 12/20/2013
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/02/2012
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 01/25/2012
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 05/26/2011
Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 02/26/2008
Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 12/21/2007
Site name: WHITEMAN AIR FORCE BASE
Classification: Small Quantity Generator

Date form received by agency: 02/13/2006
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/05/2004
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/01/2003

WHITEMAN AFB (Continued) **1000994127**

Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/16/2002
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/08/2002
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998
Site name: 509 CES/CEV
Classification: Large Quantity Generator

Date form received by agency: 02/05/1996
Site name: 509 CES/CEV
Classification: Large Quantity Generator

Date form received by agency: 01/05/1996
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/22/1994
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/03/1993
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/24/1992
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 02/20/1992
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/30/1990
Site name: WHITEMAN AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 11/30/1980
Site name: WHITEMAN AIR FORCE BASE
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001

WHITEMAN AFB (Continued) **1000994127**

. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D015
. Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

WHITEMAN AFB (Continued) **1000994127**

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

WHITEMAN AFB (Continued) **1000994127**

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: NONE
. Waste name: None

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P037
. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P052
. Waste name: Not Defined

. Waste code: P066
. Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER (OR) METHOMYL

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

WHITEMAN AFB (Continued) **1000994127**

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U222
. Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 7334

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 464

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 571

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 968

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 5343

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 19929

Waste code: D008

WHITEMAN AFB (Continued) **1000994127**

Waste name: LEAD
Amount (Lbs): 1502

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 198

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 7261

Waste code: D011
Waste name: SILVER
Amount (Lbs): 2504

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 2340

Waste code: D026
Waste name: CRESOL
Amount (Lbs): 358

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 358

Waste code: D030
Waste name: 2,4-DINITROTOLUENE
Amount (Lbs): 358

Waste code: D032
Waste name: HEXACHLOROBENZENE
Amount (Lbs): 358

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 4098

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 452

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

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ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 14423

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 2051

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 19

Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 283

Corrective Action Summary:
Event date: 05/22/1991
Event: REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA

Event date: 01/28/1992
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/15/1995
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 06/15/1995
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 07/26/1995
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 08/29/2018
Date achieved compliance: Not reported
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/29/2018
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - e03
Area of violation: Generators - Manifest
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - e04

WHITEMAN AFB (Continued) **1000994127**

Area of violation: Generators - Manifest
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - h08
Area of violation: Generators - General
Date violation determined: 09/15/2003
Date achieved compliance: 10/16/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: 09/30/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C01
Area of violation: Generators - Pre-transport
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C05
Area of violation: Generators - Pre-transport
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C06
Area of violation: Generators - General

WHITEMAN AFB (Continued) **1000994127**

Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - C07
Area of violation: Generators - General
Date violation determined: 09/10/2002
Date achieved compliance: 09/11/2002
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/02/1997
Date achieved compliance: 05/24/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/28/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/20/1997
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/17/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/05/1995

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance: 06/29/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/16/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/02/1994
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 03/02/1994
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/08/1993
Date achieved compliance: 03/29/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/02/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/08/1993
Date achieved compliance: 03/29/1993

WHITEMAN AFB (Continued) **1000994127**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/02/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/13/1991
Date achieved compliance: 11/29/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State

WHITEMAN AFB (Continued) **1000994127**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/01/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 27960
Final penalty amount: 27960
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

WHITEMAN AFB (Continued) **1000994127**

Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/25/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 01/25/1991
Date achieved compliance: 02/14/1991
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/07/1990

WHITEMAN AFB (Continued) **1000994127**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/07/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/07/1990
Date achieved compliance: 05/15/1990
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/09/1989
Date achieved compliance: 12/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/06/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/09/1989
Date achieved compliance: 12/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/06/1989
Enf. disposition status: Not reported

WHITEMAN AFB (Continued) **1000994127**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/09/1989
Date achieved compliance: 12/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/09/1989
Date achieved compliance: 12/19/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/09/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/01/1988
Date achieved compliance: 02/24/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/01/1988
Date achieved compliance: 02/24/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/01/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

WHITEMAN AFB (Continued) **1000994127**

Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/02/1987
Date achieved compliance: 02/13/1987
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 02/02/1987
Date achieved compliance: 03/01/1988
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/13/1986
Date achieved compliance: 03/22/1986
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 06/01/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

WHITEMAN AFB (Continued) **1000994127**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 11/05/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 05/23/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/29/1984
Date achieved compliance: 11/26/1984
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/04/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/29/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/24/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/10/1984
Date achieved compliance: 05/13/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

WHITEMAN AFB (Continued) **1000994127**

Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - Closure/Post-Closure
Date violation determined:	10/10/1984
Date achieved compliance:	02/27/1985
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/24/1985
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - General
Date violation determined:	10/10/1984
Date achieved compliance:	05/13/1998
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	01/24/1985
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	EPA
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - Closure/Post-Closure
Date violation determined:	10/10/1984
Date achieved compliance:	02/27/1985
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	02/07/1985
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated:	Not reported
Area of violation:	TSD - General
Date violation determined:	10/10/1984
Date achieved compliance:	05/13/1998
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Evaluation Action Summary:

Evaluation date:	08/28/2018
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	08/28/2018
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Used Oil - Generators
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	08/28/2018
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	State Statute or Regulation
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	08/28/2018
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Universal Waste - Small Quantity Handlers
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	06/08/2011
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	07/30/2007
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/07/2004
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	09/15/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Manifest
Date achieved compliance:	10/16/2003
Evaluation lead agency:	State
Evaluation date:	09/15/2003
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/16/2003
Evaluation lead agency:	State
Evaluation date:	09/10/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE

WHITEMAN AFB (Continued) **1000994127**

Area of violation:	Generators - General
Date achieved compliance:	09/11/2002
Evaluation lead agency:	State
Evaluation date:	09/10/2002
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	09/11/2002
Evaluation lead agency:	State
Evaluation date:	06/26/2002
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/13/2002
Evaluation:	CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/16/1999
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	05/12/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/20/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	05/13/1998
Evaluation lead agency:	State
Evaluation date:	02/19/1997
Evaluation:	FOCUSED COMPLIANCE INSPECTION
Area of violation:	Generators - General
Date achieved compliance:	05/24/1997
Evaluation lead agency:	State
Evaluation date:	05/05/1995
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/29/1995
Evaluation lead agency:	State
Evaluation date:	03/02/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	05/13/1998
Evaluation lead agency:	State

WHITEMAN AFB (Continued) **1000994127**

Evaluation date: 03/02/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/13/1998
Evaluation lead agency: State

Evaluation date: 02/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/29/1993
Evaluation lead agency: State

Evaluation date: 02/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/29/1993
Evaluation lead agency: State

Evaluation date: 11/14/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/13/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/29/1991
Evaluation lead agency: State

Evaluation date: 04/15/1991
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/1991
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 02/14/1991
Evaluation lead agency: State

Evaluation date: 01/25/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance:	02/14/1991
Evaluation lead agency:	State
Evaluation date:	01/25/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	02/14/1991
Evaluation lead agency:	State
Evaluation date:	01/25/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	03/07/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	05/15/1990
Evaluation lead agency:	State
Evaluation date:	03/07/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	03/07/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	05/15/1990
Evaluation lead agency:	State
Evaluation date:	12/19/1989
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	12/19/1989
Evaluation lead agency:	State
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA-Initiated Oversight/Observation/Training Actions
Evaluation date:	02/09/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	12/19/1989
Evaluation lead agency:	State

WHITEMAN AFB (Continued) **1000994127**

Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	02/24/1989
Evaluation lead agency:	EPA
Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	03/01/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/24/1989
Evaluation lead agency:	EPA
Evaluation date:	02/02/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/01/1988
Evaluation lead agency:	EPA
Evaluation date:	02/02/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	02/13/1987
Evaluation lead agency:	EPA
Evaluation date:	03/13/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	03/22/1986
Evaluation lead agency:	EPA
Evaluation date:	10/29/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	05/23/1985
Evaluation lead agency:	State
Evaluation date:	10/29/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	06/01/1985
Evaluation lead agency:	State
Evaluation date:	10/29/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General
Date achieved compliance:	11/05/1984
Evaluation lead agency:	State
Evaluation date:	10/29/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - General

WHITEMAN AFB (Continued) **1000994127**

Date achieved compliance: 11/26/1984
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 02/27/1985
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/13/1998
Evaluation lead agency: State

Evaluation date: 10/10/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/27/1985
Evaluation lead agency: State

US INST CONTROL:
EPA ID: MO8571924549
Site ID: 0701788
Name: WHITEMAN AIR FORCE BASE
Action Name: RECORD OF DECISION
Address: SEC 33 T46N R24W
WHITEMAN AFB, MO 65305
EPA Region: 07
County: JOHNSON
Event Code: Not reported
Inst. Control: Groundwater use/well drilling regulation
Actual Date: Not reported
Complet. Date: 05/10/2005
Operable Unit: 01
Contaminated Media : Groundwater
Contact Name : Not reported
Contact Phone and Ext : Not reported
Event Code Description: Not reported

EPA ID: MO8571924549
Site ID: 0701788
Name: WHITEMAN AIR FORCE BASE
Action Name: RECORD OF DECISION
Address: SEC 33 T46N R24W
WHITEMAN AFB, MO 65305
EPA Region: 07
County: JOHNSON
Event Code: Not reported
Inst. Control: Base use plan change
Actual Date: Not reported
Complet. Date: 05/10/2005
Operable Unit: 01
Contaminated Media : Solid Waste
Contact Name : Not reported
Contact Phone and Ext : Not reported
Event Code Description: Not reported

WHITEMAN AFB (Continued) **1000994127**

EPA ID: MO8571924549
Site ID: 0701788
Name: WHITEMAN AIR FORCE BASE
Action Name: RECORD OF DECISION
Address: SEC 33 T46N R24W
WHITEMAN AFB, MO 65305
EPA Region: 07
County: JOHNSON
Event Code: Not reported
Inst. Control: Building, demolition, or excavation regulation
Actual Date: Not reported
Complet. Date: 05/10/2005
Operable Unit: 01
Contaminated Media : Solid Waste
Contact Name : Not reported
Contact Phone and Ext : Not reported
Event Code Description: Not reported

ROD:
EPA ID: MO8571924549
RG: 7
Site ID: 701788
Name: WHITEMAN AIR FORCE BASE
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: CERCLA INVESTIGATION/CLEAN-UP
SEQ ID: 1
Action Completion: 2005-05-10 00:00:00
NPL Status: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

EPA ID: MO8571924549
RG: 7
Site ID: 701788
Name: WHITEMAN AIR FORCE BASE
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WHITEMAN 12 AREA
SEQ ID: 3
Action Completion: 2006-08-18 00:00:00
NPL Status: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

EPA ID: MO8571924549
RG: 7
Site ID: 701788
Name: WHITEMAN AIR FORCE BASE
Action: GOVT Decision Document (ROD)
Operable Unit Number: WHITEMAN 9 AREA
SEQ ID: 2
Action Completion: 2007-03-23 00:00:00
NPL Status: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

EPA ID: MO8571924549
RG: 7
Site ID: 701788
Name: WHITEMAN AIR FORCE BASE
Action: GOVT Decision Document (ROD)

WHITEMAN AFB (Continued) **1000994127**

Operable Unit Number:	CERCLA INVESTIGATION/CLEAN-UP
SEQ ID:	4
Action Completion:	2009-07-26 00:00:00
NPL Status:	Not on the NPL
Non NPL Status:	Referred to Removal - NFRAP

EPA ID:	MO8571924549
RG:	7
Site ID:	701788
Name:	WHITEMAN AIR FORCE BASE
Action:	GOVT Decision Document (ROD)
Operable Unit Number:	CERCLA INVESTIGATION/CLEAN-UP
SEQ ID:	5
Action Completion:	2009-07-22 00:00:00
NPL Status:	Not on the NPL
Non NPL Status:	Referred to Removal - NFRAP

WI MANIFEST:

Year:	2017
EPA ID:	MO8571924549
FID:	Not reported
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2017
Manifest Doc Id:	001257241VES
Copy Type:	TSDCOPY
Gen EPA ID:	MO8571924549
Gen Date:	07/12/2017
GEN Copy Revd Date:	Not reported
TSD Date:	07/18/2017
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	08/15/2017

Year:	2004
EPA ID:	MO8571924549
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported

WHITEMAN AFB (Continued) **1000994127**

Contact EMail Address: Not reported

A2
North
1/4-1/2
0.255 mi.
1349 ft.

FIRE STATION BLDG 34
660 10TH ST SUITE 211
WHITEMAN AFB, MO 65305

MO LUST **U001163267**
MO UST **N/A**

Site 2 of 2 in cluster A

Relative:
Lower

Actual:
836 ft.

LUST:

Facility ID:	ST0008247
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	Not reported
Release Type:	UNKNOWN
Date Cleanup Started:	11/18/2004
Date Cleanup Finished:	11/18/2004
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**2005-08-16 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R007944
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	275
RBCA NFA:	Yes
Project Manager:	U
Next Correspondence/Update With Fac:	Not reported
Date Added:	08/09/2005
Date Record Edited:	08/17/2005
Person Adding Or Editing Record:	CHIBNALL, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	8/17/04: Closure resulted in issuance of NFRA. NFRA date is 8/16/2005.

Facility ID:	ST0020306
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	1205311457BWH
Release Date:	05/31/2012
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	08/29/2012
Date Cleanup Finished:	01/08/2013
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of NFA Letter From DNR:	**2013-01-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R008734
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	Yes
Project Manager:	MD
Next Correspondence/Update With Fac:	01/07/2013
Date Added:	08/30/2012
Date Record Edited:	03/06/2013
Person Adding Or Editing Record:	COON, ADAM
Facility Sent To State Archive:	Not reported
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	Not reported
General Comments:	CONTAMINATION > DTLS during closure R# only 01/13/12 Issued NFA

UST:

Facility ID:	ST0008376
Region:	KC
Easting:	450962
Northing:	4286315
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	08/26/2013
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 06/01/2012
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: CD
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 10/08/1998
Date Record Edited: 01/08/2013
Person Adding/Editing Record: KOON, K
Date Of NFA Letter: 01/08/2013
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 06/25/2012
Date Of Aprroval Letter: 2012-06-27 00:00:00
Firm Closing Tank: Gehm Environmental
Date Closure Report Received: 2012-08-15 00:00:00
Registration End Date: 2015-09-30 00:00:00
LockOut Flag: No
Comments: 8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use: True
Compartment No: 1
Tank Compartment PK: 36946
Tank PK: 36948
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-04-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/15/1995
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 03/01/2004
Date Tank Permanently Closed/ Removed: 03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: HANSEN, M
Date Of NFA Letter: 12/06/2004
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 02/26/2004
Date Of Aprroval Letter: 2004-03-02 00:00:00
Firm Closing Tank: GEHM ENVIRONMENTAL
Date Closure Report Received: 2004-06-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22625
Tank PK: 22625
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000
Substance: Diesel
Substance Other: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2022-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22623
Tank PK: 22623
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008

FIRE STATION BLDG 34 (Continued) **U001163267**

Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall: -1
Spill Protection: True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of

FIRE STATION BLDG 34 (Continued) **U001163267**

recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Comments: Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0008376
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1987
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 09/11/2017
Person Adding/Editing Record: PETERS, H
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22613
Tank PK: 22613
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1987-01-01 00:00:00
Pipe System: 0
Pipe Material: 1

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

LockOut Flag: No
Comments: 8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 36946
Tank PK: 36948
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-04-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1991
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628

FIRE STATION BLDG 34 (Continued) **U001163267**

Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2007-04-23 00:00:00
Pipe Installation Date: 1992-07-01 00:00:00
Pipe System: 0
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 04/02/1990
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 01/19/2017
Person Adding/Editing Record: SESSLER, D

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/15/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22726
Tank PK: 22726
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: R
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-01-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22620
Tank PK: 22620
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Jet Fuel
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0020306
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2022-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22623
Tank PK: 22623
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008

FIRE STATION BLDG 34 (Continued) **U001163267**

Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of

FIRE STATION BLDG 34 (Continued) **U001163267**

recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 11/03/1994
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/15/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Comments: Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Registration End Date: Not reported
LockOut Flag: No
Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20702
Tank PK: 20702
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements: Not reported
Date Tank Installed: 11/03/1994
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22727
Tank PK: 22727
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Other
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0008246
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/14/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22622
Tank PK: 22622
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record: KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628

FIRE STATION BLDG 34 (Continued) **U001163267**

Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22725
Tank PK: 22725
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000’ deep with ~500’ casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 03/18/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 11/18/2004
Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 07/14/2005
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 09/01/2004
Date Of Aprroval Letter: 2004-09-09 00:00:00
Firm Closing Tank: Midwest Remediation Inc
Date Closure Report Received: 2005-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/15/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22726
Tank PK: 22726
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: R
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements: Not reported
Date Tank Installed: 03/18/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 11/18/2004
Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 07/14/2005
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 09/01/2004
Date Of Aprroval Letter: 2004-09-09 00:00:00
Firm Closing Tank: Midwest Remediation Inc
Date Closure Report Received: 2005-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20702
Tank PK: 20702
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0009114
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009114
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009114
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013

FIRE STATION BLDG 34 (Continued) **U001163267**

Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited

FIRE STATION BLDG 34 (Continued) **U001163267**

and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Last Used: 03/01/2004
Date Tank Permanently Closed/ Removed: 03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: HANSEN, M
Date Of NFA Letter: 12/06/2004
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 02/26/2004
Date Of Aprroval Letter: 2004-03-02 00:00:00
Firm Closing Tank: GEHM ENVIRONMENTAL
Date Closure Report Received: 2004-06-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22625
Tank PK: 22625
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-03-01 00:00:00
Pipe Installation Date: 1995-07-27 00:00:00
Pipe System: 0
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev’d CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev’d response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 03/18/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 11/18/2004
Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 01/01/1995
Date Tank Permanently Closed/ Removed: 05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/03/2001
Person Adding/Editing Record: EVERS, L
Date Of NFA Letter: 02/14/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/27/1995
Date Of Aprroval Letter: 1995-03-30 00:00:00
Firm Closing Tank: CET ENVIRONMENTAL SVCS INC
Date Closure Report Received: 1995-12-04 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: NFA on Tank 2 - update by cgh 7/11/01

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22619
Tank PK: 22619
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Jet Fuel
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment PK: 22627
Tank PK: 22627
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-03-01 00:00:00
Pipe Installation Date: 1990-01-01 00:00:00
Pipe System: 0
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: 2000-01-01 00:00:00
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:
Facility Id: ST0009118
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2022-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22623
Tank PK: 22623
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22618
Tank PK: 22618
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Jet Fuel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000’ deep with ~500’ casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0009122
Tank Id:	1
Site Usage:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed

FIRE STATION BLDG 34 (Continued) **U001163267**

to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000’ deep with ~500’ casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of

FIRE STATION BLDG 34 (Continued) **U001163267**

B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700

FIRE STATION BLDG 34 (Continued) **U001163267**

Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 03/18/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 11/18/2004
Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 07/14/2005
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 09/01/2004
Date Of Aprroval Letter: 2004-09-09 00:00:00
Firm Closing Tank: Midwest Remediation Inc
Date Closure Report Received: 2005-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20701
Tank PK: 20701
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:

Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev’d CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev’d response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 3
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1990
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 03/01/2004
Date Tank Permanently Closed/ Removed: 03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 03/04/1999
Date Record Edited: 06/17/2008
Person Adding/Editing Record: HANSEN, M
Date Of NFA Letter: 12/06/2004
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 02/26/2004
Date Of Aprroval Letter: 2004-03-02 00:00:00
Firm Closing Tank: GEHM ENVIRONMENTAL
Date Closure Report Received: 2004-06-08 00:00:00
Registration End Date: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

LockOut Flag: No
Comments: 7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22627
Tank PK: 22627
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-03-01 00:00:00
Pipe Installation Date: 1990-01-01 00:00:00
Pipe System: 0
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: 2000-01-01 00:00:00
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:
Facility Id: ST0008745
Tank Id: 1
Site Usage: 2
Risk Type: 6
Soil Type: 8
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22622
Tank PK: 22622
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1987
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-04-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1991
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 06/15/1995
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 03/01/2004
Date Tank Permanently Closed/ Removed: 03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: HANSEN, M
Date Of NFA Letter: 12/06/2004
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 02/26/2004
Date Of Aprroval Letter: 2004-03-02 00:00:00
Firm Closing Tank: GEHM ENVIRONMENTAL
Date Closure Report Received: 2004-06-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 7-7-04--rev. CR; requested docs that samples ’BACKFILL #1’ and ’TANK

FIRE STATION BLDG 34 (Continued) **U001163267**

5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev’d CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev’d response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 07/14/2005
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 09/01/2004
Date Of Aprroval Letter: 2004-09-09 00:00:00
Firm Closing Tank: Midwest Remediation Inc
Date Closure Report Received: 2005-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20702
Tank PK: 20702
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Other
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 3
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Aug 2011:

Facility Id:	ST0009117
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0

FIRE STATION BLDG 34 (Continued) **U001163267**

Spill Protection: True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

FIRE STATION BLDG 34 (Continued) **U001163267**

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 03/01/2004
Date Tank Permanently Closed/ Removed: 03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: PC
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: HANSEN, M
Date Of NFA Letter: 12/06/2004
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 02/26/2004
Date Of Aprroval Letter: 2004-03-02 00:00:00
Firm Closing Tank: GEHM ENVIRONMENTAL
Date Closure Report Received: 2004-06-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22625
Tank PK: 22625
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 4000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-03-01 00:00:00
Pipe Installation Date: 1995-07-27 00:00:00
Pipe System: 0
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000’ deep with ~500’ casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of

FIRE STATION BLDG 34 (Continued) **U001163267**

B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 01/19/2017
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2020-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 20699
Tank PK: 20699
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 550
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2000-05-30 00:00:00
Pipe System: 2
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: -1
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev’d CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev’d response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700

FIRE STATION BLDG 34 (Continued) **U001163267**

Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 11/03/1994
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/15/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22726
Tank PK: 22726
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: R
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev’d CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev’d response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record: KIRCHNER, M

Tank ID: 3
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22620
Tank PK: 22620
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Jet Fuel
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

LockOut Flag: No
Comments: 7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22627
Tank PK: 22627
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-03-01 00:00:00
Pipe Installation Date: 1990-01-01 00:00:00
Pipe System: 0
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: 2
Pipe Protection Date: 2000-01-01 00:00:00
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:
Facility Id: ST0009123
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-04-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1991
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples ’BACKFILL #1’ and ’TANK

FIRE STATION BLDG 34 (Continued) **U001163267**

5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: 11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 06/17/2008
Person Adding/Editing Record: LIGHT, K
Date Of NFA Letter: 07/14/2005
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 09/01/2004
Date Of Aprroval Letter: 2004-09-09 00:00:00
Firm Closing Tank: Midwest Remediation Inc
Date Closure Report Received: 2005-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20702
Tank PK: 20702
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 10000
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 2004-11-18 00:00:00
Pipe Installation Date: 1992-03-18 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Other
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 3
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Aug 2011:

Facility Id:	ST0009121
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	13
Offsite Impact:	16
Free Product:	0
Drinking Water:	42
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009121
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	13
Offsite Impact:	16
Free Product:	0
Drinking Water:	42
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009121
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 02/05/2013
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22629
Tank PK: 22629
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1991-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record: KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples ’BACKFILL #1’ and ’TANK 5-PL #1’ were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2022-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22623
Tank PK: 22623
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/01/1992
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/23/2007
Date Tank Permanently Closed/ Removed:	06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	RB
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	12/01/2008
Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Report Received: Not reported
Registration End Date: 2020-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 20699
Tank PK: 20699
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 550
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2000-05-30 00:00:00
Pipe System: 2
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: -1
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 03/18/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only

FIRE STATION BLDG 34 (Continued) **U001163267**

closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0009111
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22622
Tank PK:	22622
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017
Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629
Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use

FIRE STATION BLDG 34 (Continued) **U001163267**

Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Report Received:	Not reported
Registration End Date:	2022-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22623
Tank PK:	22623
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False

FIRE STATION BLDG 34 (Continued) **U001163267**

Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 07/01/1992
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/23/2007
Date Tank Permanently Closed/ Removed: 06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: RB
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 12/01/2008
Person Adding/Editing Record: FINDERS, B
Date Of NFA Letter: 11/19/2008
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: 05/24/2007

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/02/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/19/2017
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	20699
Tank PK:	20699
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	2000-05-30 00:00:00
Pipe System:	2
Pipe Material:	8
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	-1
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only

FIRE STATION BLDG 34 (Continued) **U001163267**

closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/15/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1995
Date Tank Permanently Closed/ Removed:	05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/03/2001
Person Adding/Editing Record:	EVERS, L
Date Of NFA Letter:	02/14/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	1995-03-30 00:00:00
Firm Closing Tank:	CET ENVIRONMENTAL SVCS INC
Date Closure Report Received:	1995-12-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22626
Tank PK:	22626
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	-1

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22619
Tank PK:	22619
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only

FIRE STATION BLDG 34 (Continued) **U001163267**

closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22727
Tank PK: 22727
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Other
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925

FIRE STATION BLDG 34 (Continued) **U001163267**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620
Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0009172
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009172
Tank Id:	3
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0009172
Tank Id:	2
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	07/27/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/14/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2020-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21010
Tank PK:	21010
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	15000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-07-27 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/14/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22622
Tank PK: 22622
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 1000

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1987
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	09/11/2017

FIRE STATION BLDG 34 (Continued) **U001163267**

Person Adding/Editing Record:	PETERS, H
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22613
Tank PK:	22613
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1987-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	04/01/1992
Tank Material:	Fiberglass

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/2012
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	CD
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/08/1998
Date Record Edited:	01/08/2013
Person Adding/Editing Record:	KOON, K
Date Of NFA Letter:	01/08/2013
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	06/25/2012
Date Of Aprroval Letter:	2012-06-27 00:00:00
Firm Closing Tank:	Gehm Environmental
Date Closure Report Received:	2012-08-15 00:00:00
Registration End Date:	2015-09-30 00:00:00
LockOut Flag:	No
Comments:	8/29/12 MAD- DCR 1) RAFU since military base has residences, 2) Domestic Use Eval, 3) Workplan to dilineate extent of contamination resulting from the ~500 gallon diesel release 11/5/12 MAD- RAFU, and Domestic Use addressed. 1/3/13 MAD- No further closure issues, issuing NFA

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	36946
Tank PK:	36948
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-04-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	02/05/2013
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22629

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22629
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1991
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Sacrificial
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	04/07/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	07/01/2004
Person Adding/Editing Record:	PARRIS, M
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	01/20/2004
Date Of Aprroval Letter:	2004-01-22 00:00:00
Firm Closing Tank:	KNIGHTLY ENVIRONMENTAL
Date Closure Report Received:	2004-06-04 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-1-04--rev. CR; requested disposal docs for wastewater and sludge, docs for proper UST cleaning, statement as to whether GW was allowed to recharge, statement as to whether any product remained in the UST prior to removal, docs that sample 'Clean Fill' was properly preserved b/c it was taken 4-6-04, but not delivered to the lab until 4-8-04, color photos, and stated that EER should have been notifited and that T4 would be sent to GSRAD--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22628
Tank PK:	22628
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	550
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1991-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	06/15/1995
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested docs that samples 'BACKFILL #1' and 'TANK 5-PL #1' were properly preserved due to being delivered to the laboratory past the recommended 24 hr. holding time, disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST, and QA/QC for samples that were ran on 3/30/04 b/c QA/QC was issued 3/22/04--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22625
Tank PK:	22625
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	4000
Substance:	Diesel
Substance Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1995-07-27 00:00:00
Pipe System:	0
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2022-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 22623
Tank PK: 22623
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22618
Tank PK:	22618
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Jet Fuel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22725
Tank PK:	22725
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500

FIRE STATION BLDG 34 (Continued) **U001163267**

Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1994-11-03 00:00:00
Pipe System: 1
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: 07/01/1992
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/23/2007
Date Tank Permanently Closed/ Removed: 06/05/2007
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: RB
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 12/01/2008

FIRE STATION BLDG 34 (Continued) **U001163267**

Person Adding/Editing Record:	FINDERS, B
Date Of NFA Letter:	11/19/2008
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	05/24/2007
Date Of Aprroval Letter:	2007-05-24 00:00:00
Firm Closing Tank:	Genesis Environmental Solutions
Date Closure Report Received:	2008-08-11 00:00:00
Registration End Date:	2010-09-30 00:00:00
LockOut Flag:	No
Comments:	9/8/08 RDS- review of Genesis Environmental Solutions, Inc., Closure Report dated July 31, 2008, for work done 5/30 - 6/5/2008. Site within 1/2-mile buffer of 3 Air Force public wells (>1,000' deep with ~500' casing; risk low). Double-wall tank & piping must have prevented spills; all < DTLs. 2 low toluene samples (T1-F at 14 and TF-2 at 14) failed QA/QC but not near DTLs. No DRO but low levels of B, T, E & N suggest gasoline releases. Form CR-1 did not have signature of owner; sent e-mail.

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	21818
Tank PK:	21818
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2007-04-23 00:00:00
Pipe Installation Date:	1992-07-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank ID: 1
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 04/02/1990
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 01/19/2017
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: Yes
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2020-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: True
Compartment No: 1
Tank Compartment PK: 20699
Tank PK: 20699
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 550
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 2000-05-30 00:00:00
Pipe System: 2
Pipe Material: 8
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Double Wall:	-1
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of

FIRE STATION BLDG 34 (Continued) **U001163267**

recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20700
Tank PK:	20700
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20701
Tank PK:	20701
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Curently in use**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 11/03/1994
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/15/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2019-09-30 00:00:00
LockOut Flag: No

FIRE STATION BLDG 34 (Continued) **U001163267**

Comments: Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22726
Tank PK:	22726
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	R
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	2
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Tank Last Used: 01/01/1995
Date Tank Permanently Closed/ Removed: 05/15/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 07/03/2001
Person Adding/Editing Record: EVERS, L
Date Of NFA Letter: 02/14/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/27/1995
Date Of Aprroval Letter: 1995-03-30 00:00:00
Firm Closing Tank: CET ENVIRONMENTAL SVCS INC
Date Closure Report Received: 1995-12-04 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: NFA on Tank 2 - update by cgh 7/11/01

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22626
Tank PK: 22626
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 2500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-01-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 2
Tank Double Wall: -1
Tank Type: Below Ground
Tank Status: Curently in use
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1992
Tank Material: Fiberglass
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 04/10/2014
Person Adding/Editing Record: SESSLER, D
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: 2023-09-30 00:00:00
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 22619
Tank PK: 22619
Case Number: Not reported
Compartment Status: Curently in use
Compartment Temp Verified Dt: Not reported
Capacity: 6000
Substance: Jet Fuel
Substance Other: JP-8
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: 1992-01-01 00:00:00
Pipe System: 2

FIRE STATION BLDG 34 (Continued) **U001163267**

Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	03/18/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/18/2004
Date Tank Permanently Closed/ Removed:	11/18/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	07/14/2005
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	09/01/2004
Date Of Aprroval Letter:	2004-09-09 00:00:00
Firm Closing Tank:	Midwest Remediation Inc
Date Closure Report Received:	2005-03-21 00:00:00

FIRE STATION BLDG 34 (Continued) **U001163267**

Registration End Date:	Not reported
LockOut Flag:	No
Comments:	5/2/05 MAS: Rev'd CR. Needs TCLP data for tank cleaning materials, tank disposal documentation, documentation of disposal /recycling of recoverd/unused product, documentation of wastewater and tank cleaning material disposal, a WP for GW investigaiton if the tank pit water analyticals are not available and a completed and signed closure report form. 6/7/05 MAS: Rev'd response letter. The only closure related item left for resolution is a request for an explanation of the hazardous waste manifest submitted or the indication that the wrong manifest was forwarded to us and the new on will be submitted. 6/24/05 letter resolved manifest issue NFA on 7-14-05 EB

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	20702
Tank PK:	20702
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	10000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-11-18 00:00:00
Pipe Installation Date:	1992-03-18 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Curently in use**

FIRE STATION BLDG 34 (Continued) **U001163267**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	11/03/1994
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2019-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22727
Tank PK:	22727
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Other
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1994-11-03 00:00:00
Pipe System:	1
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

FIRE STATION BLDG 34 (Continued) **U001163267**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	-1
Tank Type:	Below Ground
Tank Status:	**Curently in use**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1992
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	04/10/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	2023-09-30 00:00:00
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	22620

FIRE STATION BLDG 34 (Continued) **U001163267**

Tank PK:	22620
Case Number:	Not reported
Compartment Status:	Curently in use
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Jet Fuel
Substance Other:	JP-8
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	1992-01-01 00:00:00
Pipe System:	2
Pipe Material:	2
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	True

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	3
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1990
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/01/2004
Date Tank Permanently Closed/ Removed:	03/22/2004
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	PC

FIRE STATION BLDG 34 (Continued) **U001163267**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	03/04/1999
Date Record Edited:	06/17/2008
Person Adding/Editing Record:	HANSEN, M
Date Of NFA Letter:	12/06/2004
Is Tank Used For Emergency Generator:	Yes
Date Closure Notice Received:	02/26/2004
Date Of Aprroval Letter:	2004-03-02 00:00:00
Firm Closing Tank:	GEHM ENVIRONMENTAL
Date Closure Report Received:	2004-06-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	7-7-04--rev. CR; requested disposal docs for recovered product, wastewater, and absorbent pads used to clean the UST--MP

Tank Compartment:

Tanks Use:	True
Compartment No:	1
Tank Compartment PK:	22627
Tank PK:	22627
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	2004-03-01 00:00:00
Pipe Installation Date:	1990-01-01 00:00:00
Pipe System:	0
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	2
Pipe Protection Date:	2000-01-01 00:00:00
Pipe Double Wall:	0
Spill Protection:	True

Tank Aug 2011:

Facility Id:	ST0008247
Tank Id:	1
Site Usage:	2
Risk Type:	3
Soil Type:	38
GW Flow:	13
Offsite Impact:	17
Free Product:	0
Drinking Water:	42
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No

FIRE STATION BLDG 34 (Continued) **U001163267**

Surface Cap: No
No Excavation: No

Facility Id: ST0008247
Tank Id: 2
Site Usage: 2
Risk Type: 3
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0008247
Tank Id: 3
Site Usage: 2
Risk Type: 3
Soil Type: 38
GW Flow: 13
Offsite Impact: 17
Free Product: 0
Drinking Water: 42
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

3
NNW
1/4-1/2
0.409 mi.
2160 ft.

FACILITY 650-2
VANDENBERG AVE AND 9TH ST
WHITEMAN AFB, MO 65305

MO LUST **U001163268**
MO UST **N/A**

Relative:
Lower

Actual:
830 ft.

LUST:
Facility ID: ST0008245
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 02/14/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/14/1994
Date Cleanup Finished: Not reported
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported

FACILITY 650-2 (Continued) **U001163268**

Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004695
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/03/1998
Person Adding Or Editing Record:	NR$MUKHH
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	09-21-95 - MJK - CLOSURE GRANTED ON HEATING OIL TANK.

UST:

Facility ID:	ST0008245
Region:	KC
Easting:	450841.604
Northing:	4286618.19
Owner Of Geospatial Data:	Not reported
Geospatial Data Collected By:	INT_STEINBECK,Eli
Date GIS Data Collected:	08/06/2014
Lat/Long:	38.73273 / -93.56448
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported

FACILITY 650-2 (Continued) **U001163268**

Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 01/01/1998
Date Tank Permanently Closed/ Removed: 04/04/1998
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: 04/04/1998
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/27/1998
Date Of Aprroval Letter: 1998-04-04 00:00:00
Firm Closing Tank: WAFB
Date Closure Report Received: 1998-08-14 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 20698
Tank PK: 20698
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 1000
Substance: Other
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1998-01-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 2
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: True

Tank Aug 2011:
Facility Id: ST0008245
Tank Id: 1
Site Usage: Not reported

FACILITY 650-2 (Continued) **U001163268**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B4 **WHITEMAN AFB OSCAR-3** **MO LUST** **U003239308**
North **T.46N, R.24W, SECTION 1** **MO UST** **N/A**
1/4-1/2 **KNOB NOSTER, MO 65336**
0.481 mi.
2540 ft. **Site 1 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019611
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/18/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/18/1995
Date Cleanup Finished:	07/14/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005485
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/15/1998
Date Record Edited:	05/21/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/2/96 DB SITE CLOSED.

UST:

Facility ID:	ST0019611

WHITEMAN AFB OSCAR-3 (Continued) **U003239308**

Region:	KC
Easting:	456535.31
Northing:	4294545.04
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/21/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/09/1995
Date Of Aprroval Letter:	Not reported

WHITEMAN AFB OSCAR-3 (Continued) **U003239308**

Firm Closing Tank: Not reported
Date Closure Report Received: 1995-08-09 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36258
Tank PK: 36260
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019611
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B5 **WHITEMAN AFB NOVEMBER-2** **MO LUST** **U003239296**
North **T.49N, R.27W, SECTION 3** **MO UST** **N/A**
1/4-1/2 **MAYVIEW, MO 64071**
0.481 mi.
2540 ft. **Site 2 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019599
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	09/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	09/13/1995
Date Cleanup Finished:	11/29/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005608
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/14/1998
Date Record Edited:	Not reported
Person Adding Or Editing Record:	N$PERRT
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/29/96 DB SITE CLOSED

UST:

Facility ID:	ST0019599
Region:	KC
Easting:	423511.979
Northing:	4325191.44
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB NOVEMBER-2 (Continued) **U003239296**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/26/1995
Date Tank Permanently Closed/ Removed:	11/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/29/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/21/1996
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1996-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36246
Tank PK:	36248
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB NOVEMBER-2 (Continued) **U003239296**

Mixture:	False
Date of Last Use:	1995-09-26 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019599
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B6
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB OSCAR-2
T.47N, R.24W, SECTION 10
CONCORDIA, MO 64020

Site 3 of 92 in cluster B

MO LUST **U003239307**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019610
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/18/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/18/1995
Date Cleanup Finished:	11/22/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005588
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB OSCAR-2 (Continued) **U003239307**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/21/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-29-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019610
Region:	KC
Easting:	452590.460
Northing:	4304057.21
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB OSCAR-2 (Continued) **U003239307**

Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/21/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 05/02/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 10/26/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: 1995-10-26 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36257
Tank PK: 36259
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019610
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB OSCAR-2 (Continued) **U003239307**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B7
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB BRAVO-9
T.48N, R.22W, SECTION 26
HUGHESVILLE, MO 65334

MO LUST **U003239338**
MO UST **N/A**

Site 4 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019641
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/13/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/13/1994
Date Cleanup Finished:	12/04/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005564
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/26/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-2-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0019641
Region:	KC
Easting:	473465.169
Northing:	4307043.96
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB BRAVO-9 (Continued) **U003239338**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False

WHITEMAN AFB BRAVO-9 (Continued) **U003239338**

Compartment No:	1
Tank Compartment PK:	36288
Tank PK:	36290
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019641
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B8
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB OSCAR-5
T.46N, R.23W, SECTION 23
LA MONTE, MO 65337

Site 5 of 92 in cluster B

MO LUST **U003239310**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019613
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	05/31/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	05/31/1995
Date Cleanup Finished:	11/15/1995
Expedited:	No

WHITEMAN AFB OSCAR-5 (Continued) **U003239310**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005490
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/02/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-29-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0019613
Region:	KC
Easting:	462960.419
Northing:	4289384.25
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported

WHITEMAN AFB OSCAR-5 (Continued) **U003239310**

Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/09/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	1995-10-09 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36260
Tank PK:	36262
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

WHITEMAN AFB OSCAR-5 (Continued) **U003239310**

Facility Id:	ST0019613
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B9	**WHITEMAN AFB NOVEMBER-6**	**MO LUST**	**U003239300**
North	**T.48N, R.26W, SECTION 24**	**MO UST**	**N/A**
1/4-1/2	**HIGGINSVILLE, MO 64037**		
0.481 mi.			
2540 ft.	**Site 6 of 92 in cluster B**		

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019603
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	09/06/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	09/06/1995
Date Cleanup Finished:	11/27/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-29 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005611
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/14/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/29/96 DB SITE CLOSED

WHITEMAN AFB NOVEMBER-6 (Continued) **U003239300**

UST:

Facility ID:	ST0019603
Region:	KC
Easting:	436078.359
Northing:	4310177.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/18/1995
Date Tank Permanently Closed/ Removed:	11/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/29/1996
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB NOVEMBER-6 (Continued) **U003239300**

Date Closure Notice Received:	03/21/1996
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1996-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36250
Tank PK:	36252
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-09-18 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019603
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B10 **WHITEMAN AFB ALPHA-10** **MO LUST** **U003239327**
North **T.50N, R.25W, SECTION 14** **MO UST** **N/A**
1/4-1/2 **HIGGINSVILLE, MO 64037**
0.481 mi.
2540 ft. **Site 7 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019630
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/08/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/08/1994
Date Cleanup Finished:	08/16/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005481
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/08/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4/12/96 DB SITE CLOSED

UST:

Facility ID:	ST0019630
Region:	KC
Easting:	445437.470
Northing:	4331672.25
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB ALPHA-10 (Continued) **U003239327**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HBD CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36277
Tank PK:	36279
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB ALPHA-10 (Continued) **U003239327**

Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019630
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B11 **WHITEMAN AFB NOVEMBER-5** **MO LUST** **U003239299**
North **T.49N, R.26W, SECTION 32** **MO UST** **N/A**
1/4-1/2 **MAYVIEW, MO 64071**
0.481 mi.
2540 ft. **Site 8 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019602
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 09/08/1995
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 09/08/1995
Date Cleanup Finished: 11/28/1995
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-05-29 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005610
Rank: Not reported
Emergeny Response Date: Not reported

WHITEMAN AFB NOVEMBER-5 (Continued) **U003239299**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/14/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/29/96 DB SITE CLOSED

UST:

Facility ID:	ST0019602
Region:	KC
Easting:	429525.38
Northing:	4317609.87
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB NOVEMBER-5 (Continued) **U003239299**

Date Tank Last Used: 09/20/1995
Date Tank Permanently Closed/ Removed: 11/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 05/29/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/21/1996
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1996-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36249
Tank PK: 36251
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-09-20 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019602
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB NOVEMBER-5 (Continued) **U003239299**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B12 North 1/4-1/2 0.481 mi. 2540 ft.	**WHITEMAN AFB MIKE-11 T.47N, R.28W, SECTION 25 PITTSVILLE, MO 64040**	**MO LUST MO UST**	**U003239293 N/A**

Site 9 of 92 in cluster B

Relative: Lower

Actual: 837 ft.

LUST:

Facility ID:	ST0019596
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/26/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/26/1994
Date Cleanup Finished:	06/14/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004749
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019596
Region:	KC
Easting:	416757.510
Northing:	4300259.62
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB MIKE-11 (Continued) **U003239293**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	08/19/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	09/19/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-05-18 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Closure was discussed during a meeting held on June 15, 1994. It was determined that the M-sites would be given No Further Action status, and further paper work was to sent in as well as the NFA status.

WHITEMAN AFB MIKE-11 (Continued) **U003239293**

Paper work was sent. KML

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36243
Tank PK:	36245
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019596
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B13 **WHITEMAN AFB NOVEMBER-4** **MO LUST** **U003239298**
North **T.49N, R.26W, SECTION 12** **MO UST** **N/A**
1/4-1/2 **HIGGINSVILLE, MO 64037**
0.481 mi.
2540 ft. **Site 10 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019601
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	09/07/1995
Release Type:	UNDERGROUND STORAGE TANK

WHITEMAN AFB NOVEMBER-4 (Continued) **U003239298**

Date Cleanup Started:	09/07/1995
Date Cleanup Finished:	11/25/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-29 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005609
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/14/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/29/96 DB CLOSED SITE

UST:

Facility ID:	ST0019601
Region:	KC
Easting:	436724.820
Northing:	4323101.03
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground

WHITEMAN AFB NOVEMBER-4 (Continued) **U003239298**

Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/26/1995
Date Tank Permanently Closed/ Removed:	11/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/29/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/21/1996
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1996-03-21 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36248
Tank PK:	36250
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-09-26 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB NOVEMBER-4 (Continued) **U003239298**

Tank Aug 2011:

Facility Id:	ST0019601
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B14 **WHITEMAN AFB NOVEMBER-11** **MO LUST** **U003239305**
North **T.49N, R.28W, SECTION 23** **MO UST** **N/A**
1/4-1/2 **ODESSA, MO 64076**
0.481 mi.
2540 ft. **Site 11 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019608
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	09/14/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	09/14/1995
Date Cleanup Finished:	11/30/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-29 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005613
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/14/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB NOVEMBER-11 (Continued) **U003239305**

General Comments:	5/29/96 DB SITE CLOSED

UST:

Facility ID:	ST0019608
Region:	KC
Easting:	416079.549
Northing:	4320671.09
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	11/30/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T

WHITEMAN AFB NOVEMBER-11 (Continued) **U003239305**

Date Of NFA Letter: 05/29/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 03/21/1996
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1996-03-21 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36255
Tank PK: 36257
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-11-30 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019608
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B15	**WHITEMAN AFB DELTA-3**	**MO LUST**	**U003239356**
North	**T.46N, R.16W, SECTION 28**	**MO UST**	**N/A**
1/4-1/2	**CLARKSBURG, MO 65025**		
0.481 mi.			
2540 ft.	**Site 12 of 92 in cluster B**		

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019659
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/09/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/09/1995
Date Cleanup Finished:	01/13/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005570
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	04/15/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-03-96/DB/ Site Closed.

UST:

Facility ID:	ST0019659
Region:	NE
Easting:	528301.959
Northing:	4284987.40
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB DELTA-3 (Continued) **U003239356**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36306
Tank PK:	36308
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB DELTA-3 (Continued) **U003239356**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019659
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B16	**WHITEMAN AFB GOLF-6**	**MO LUST**	**U003239395**
North	**T.36N, R.25W, SECTION 12**	**MO UST**	**N/A**
1/4-1/2	**COLLINS, MO 64738**		
0.481 mi.			
2540 ft.	**Site 13 of 92 in cluster B**		

Relative: Lower

Actual: 837 ft.

LUST:

Facility ID:	ST0019698
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/21/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/21/1995
Date Cleanup Finished:	02/11/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005592
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB GOLF-6 (Continued) **U003239395**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	01/09/2007
Person Adding Or Editing Record:	CHIBNALL, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4/30/96 DB SITE CLOSED.

UST:

Facility ID:	ST0019698
Region:	SW
Easting:	443607.739
Northing:	4194136.39
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB GOLF-6 (Continued) **U003239395**

Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36345
Tank PK:	36347
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019698
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

WHITEMAN AFB GOLF-6 (Continued) **U003239395**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B17
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB GOLF-7
T.36N, R.26W, SECTION 1
COLLINS, MO 64738

MO LUST **U003239396**
MO UST **N/A**

Site 14 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019699
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/22/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/22/1995
Date Cleanup Finished:	02/10/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-02-10 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005591
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-30-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019699
Region:	SW
Easting:	435105.679
Northing:	4197036.87
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB GOLF-7 (Continued) **U003239396**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False

WHITEMAN AFB GOLF-7 (Continued) **U003239396**

Compartment No:	1
Tank Compartment PK:	36346
Tank PK:	36348
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019699
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B18 **WHITEMAN AFB DELTA-8** **MO LUST** **U003239361**
North **T.42N, R.18W, SECTION 4** **MO UST** **N/A**
1/4-1/2 **VERSAILLES, MO 65084**
0.481 mi.
2540 ft. **Site 15 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019664
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/28/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/28/1994
Date Cleanup Finished:	01/15/1996
Expedited:	No

WHITEMAN AFB DELTA-8 (Continued) **U003239361**

Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-15 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005573
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/20/1996
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 04-12-96/DB/ Site Closed.

UST:
Facility ID: ST0019664
Region: SW
Easting: 507506.950
Northing: 4253840.65
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Permanently Closed in place
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1963

WHITEMAN AFB DELTA-8 (Continued) **U003239361**

Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36311
Tank PK:	36313
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

WHITEMAN AFB DELTA-8 (Continued) **U003239361**

Facility Id:	ST0019664
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B19
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB DELTA-2
T.45N, R.17W, SECTION 10
TIPTON, MO 65081

Site 16 of 92 in cluster B

MO LUST **U003239355**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019658
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/05/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/05/1995
Date Cleanup Finished:	01/13/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005569
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/12/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-03-96/DB/ SITE CLOSED.

WHITEMAN AFB DELTA-2 (Continued) **U003239355**

UST:

Facility ID:	ST0019658
Region:	NE
Easting:	519421.489
Northing:	4281333.99
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB DELTA-2 (Continued) **U003239355**

Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36305
Tank PK: 36307
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019658
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B20
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB DELTA-10
T.44N, R.19W, SECTION 23
FLORENCE, MO 65329

Site 17 of 92 in cluster B

MO LUST **U003239363**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019666
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/22/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/22/1994
Date Cleanup Finished:	01/17/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005575
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	04/15/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-12-96/ DB/ Site Closed.

UST:

Facility ID:	ST0019666
Region:	SW
Easting:	501741.780
Northing:	4268418.25
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB DELTA-10 (Continued) **U003239363**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	03/01/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36313
Tank PK:	36315
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB DELTA-10 (Continued) **U003239363**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019666
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B21
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB GOLF-5
T.37N, R.25W, SECTION 4
OSCEOLA, MO 64776

Site 18 of 92 in cluster B

MO LUST **U003239394**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019697
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/22/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/22/1995
Date Cleanup Finished:	02/10/1996
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005593
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB GOLF-5 (Continued) **U003239394**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-30-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019697
Region:	SW
Easting:	439671.37
Northing:	4205514.79
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB GOLF-5 (Continued) **U003239394**

Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 05/02/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36344
Tank PK: 36346
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019697
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB GOLF-5 (Continued) **U003239394**

No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B22
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB DELTA-11
T.45N, R.18W, SECTION 15
TIPTON, MO 65801

Site 19 of 92 in cluster B

MO LUST **U003239364**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID: ST0019667
Region: SW - Southwest Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 12/22/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 12/22/1994
Date Cleanup Finished: 01/12/1996
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-15 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005576
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 04/15/1996
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 04-12-96/ DB/ Site Closed.

UST:

Facility ID: ST0019667
Region: SW
Easting: 510127.140
Northing: 4278925.04
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported

WHITEMAN AFB DELTA-11 (Continued) **U003239364**

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use: False

WHITEMAN AFB DELTA-11 (Continued) **U003239364**

Compartment No:	1
Tank Compartment PK:	36314
Tank PK:	36316
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019667
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B23 **WHITEMAN AFB ECHO-2** **MO LUST** **U003239367**
North **T.45N, R.19W, SECTION 31** **MO UST** **N/A**
1/4-1/2 **SMITHTON, MO 65350**
0.481 mi.
2540 ft. **Site 20 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019670
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/10/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/10/1995
Date Cleanup Finished:	01/17/1996
Expedited:	No

WHITEMAN AFB ECHO-2 (Continued) **U003239367**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005589
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-12-96/DB/SITE CLOSED.

UST:

Facility ID:	ST0019670
Region:	SW
Easting:	494823.080
Northing:	4275606.20
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963

WHITEMAN AFB ECHO-2 (Continued) **U003239367**

Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 05/02/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36317
Tank PK: 36319
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

WHITEMAN AFB ECHO-2 (Continued) **U003239367**

Facility Id:	ST0019670
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B24
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB ECHO-4
T.43N, R.20W, SECTION 28
COLE CAMP, MO 65325

Site 21 of 92 in cluster B

MO LUST **U003239369**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019672
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/15/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/15/1995
Date Cleanup Finished:	04/26/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005590
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-26-96/DB/ SITE CLOSED

WHITEMAN AFB ECHO-4 (Continued) **U003239369**

UST:

Facility ID:	ST0019672
Region:	KC
Easting:	488483.400
Northing:	4258226.81
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB ECHO-4 (Continued) **U003239369**

Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36319
Tank PK:	36321
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019672
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B25 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB OSCAR-10** **T.46N, R.25W, SECTION 1** **KNOB NOSTER, MO 65336** **Site 22 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239315** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019618
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/13/1995
Date Cleanup Finished:	11/02/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005488
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/01/1996
Date Record Edited:	01/15/1998
Person Adding Or Editing Record:	N$PERRT
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-29-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0019618
Region:	KC
Easting:	446473.31
Northing:	4294964
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB OSCAR-10 (Continued) **U003239315**

Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1963
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 05/02/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 10/09/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: 1995-10-09 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36265
Tank PK: 36267
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported

WHITEMAN AFB OSCAR-10 (Continued) **U003239315**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019618
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B26	**WHITEMAN AFB MIKE-10**	**MO LUST**	**U003239292**
North	**T.46N, R.28W, SECTION 15**	**MO UST**	**N/A**
1/4-1/2	**HOLDEN, MO 64040**		
0.481 mi.			
2540 ft.	**Site 23 of 92 in cluster B**		

Relative: Lower

Actual: 837 ft.

LUST:

Facility ID:	ST0019595
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/27/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/27/1994
Date Cleanup Finished:	06/09/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004743
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB MIKE-10 (Continued) **U003239292**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019595
Region:	KC
Easting:	413831.88
Northing:	4293809.87
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB MIKE-10 (Continued) **U003239292**

Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	03/14/1994
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	2008-08-19 00:00:00
Date Record Added:	11/03/1997
Date Record Edited:	07/22/2011
Person Adding/Editing Record:	HEISLER, J
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	08/19/2008-Per meeting on June 15,1994, at Whiteman AFB with representatives from MODNR, U.S. Army Corps of Engineers and U.S. Air Force to clarify information, HDB Construction completed closure report.JL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36242
Tank PK:	36244
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019595
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported

WHITEMAN AFB MIKE-10 (Continued) **U003239292**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B27
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB OSCAR-11
T.47N, R.25W, SECTION 10
FAYETTEVILLE, MO 64093

MO LUST **U003239316**
MO UST **N/A**

Site 24 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019619
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/13/1995
Date Cleanup Finished:	07/13/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005486
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/15/1998
Date Record Edited:	Not reported
Person Adding Or Editing Record:	N$PERRT
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/2/96 DB SITE CLOSED.

UST:

Facility ID:	ST0019619
Region:	KC
Easting:	442779.049
Northing:	4303270.69
Owner Of Geospatial Data:	Hazardous Waste Program

WHITEMAN AFB OSCAR-11 (Continued) **U003239316**

Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/09/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	1995-08-09 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No

WHITEMAN AFB OSCAR-11 (Continued) **U003239316**

Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36266
Tank PK: 36268
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019619
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B28 **WHITEMAN AFB BRAVO-3** **MO LUST** **U003239332**
North **T.48N, R.20W, SECTION 5** **MO UST** **N/A**
1/4-1/2 **MARSHALL, MO 65340**
0.481 mi.
2540 ft. **Site 25 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019635
Region: NE - Northeast Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 12/11/1994
Release Type: UNDERGROUND STORAGE TANK

WHITEMAN AFB BRAVO-3 (Continued) **U003239332**

Date Cleanup Started: 12/11/1994
Date Cleanup Finished: 03/02/1996
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-12 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005461
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 09-05-95 - DB - REVIEWED IN PLACE CLOSURE. INCOMPLETE. NEEDS CLOSURE INFORMATION PERTAINING TO THE TANK FILL MATERIAL, PHOTO'S, AND SOIL SAMPLES. 04-02-96/DB SITE CLOSED
Not reported

UST:
Facility ID: ST0019635
Region: NE
Easting: 489094.989
Northing: 4313280.92
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

WHITEMAN AFB BRAVO-3 (Continued) **U003239332**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	05/09/1995
Date Tank Permanently Closed/ Removed:	03/01/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36282
Tank PK:	36284
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-05-09 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

WHITEMAN AFB BRAVO-3 (Continued) **U003239332**

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019635
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B29 **WHITEMAN AFB BRAVO-2** **MO LUST** **U003239331**
North **T.49N, R.21W, SECTION 15** **MO UST** **N/A**
1/4-1/2 **MARSHALL, MO 65340**
0.481 mi.
2540 ft. **Site 26 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019634
Region: NE - Northeast Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 12/09/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 12/09/1994
Date Cleanup Finished: 12/01/1995
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: **1996-04-12 00:00:00**
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005563
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/26/1996
Date Record Edited: 05/17/2007

WHITEMAN AFB BRAVO-2 (Continued) **U003239331**

Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 4-2-96/DB/ SITE CLOSED.

UST:
Facility ID: ST0019634
Region: NE
Easting: 482861.56
Northing: 4320464.81
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Permanently Closed in place
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1963
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 03/01/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported

WHITEMAN AFB BRAVO-2 (Continued) **U003239331**

Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36281
Tank PK:	36283
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019634
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B30	**WHITEMAN AFB MIKE-5**	**MO LUST**	**U003239287**
North	**T.45N, R.25W, SECTION 7**	**MO UST**	**N/A**
1/4-1/2	**WARRENSBURG, MO 64093**		
0.481 mi.			
2540 ft.	**Site 27 of 92 in cluster B**		

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019590
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/26/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/26/1994
Date Cleanup Finished:	06/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004703
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019590
Region:	KC
Easting:	437621.429
Northing:	4283981.62
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB MIKE-5 (Continued) **U003239287**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	02/09/1994
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	HC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	07/07/2010
Person Adding/Editing Record:	HEISLER, J
Date Of NFA Letter:	02/03/2010
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	2010-01-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36237
Tank PK:	36239
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB MIKE-5 (Continued) **U003239287**

Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019590
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B31
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB MIKE-3
T.47N, R.26W, SECTION 26
WARRENSBURG, MO 64093

MO LUST **U003239285**
MO UST **N/A**

Site 28 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019588
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/26/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/26/1994
Date Cleanup Finished:	05/27/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-13 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004697
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB MIKE-3 (Continued) **U003239285**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/21/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - DT - SITE CLOSED.

UST:

Facility ID:	ST0019588
Region:	KC
Easting:	435570.640
Northing:	4299671.75
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB MIKE-3 (Continued) **U003239285**

Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/21/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 12/13/1994
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36235
Tank PK: 36237
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019588
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB MIKE-3 (Continued) **U003239285**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B32
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB MIKE-4
T.46N, R.27W, SECTION 25
WARRENSBURG, MO 64093

MO LUST **U003239286**
MO UST **N/A**

Site 29 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019589
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/26/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/26/1994
Date Cleanup Finished:	02/25/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004698
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - SITE CLOSED.

UST:

Facility ID:	ST0019589
Region:	KC
Easting:	425515.410
Northing:	4291035.58
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB MIKE-4 (Continued) **U003239286**

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	02/21/1994
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	HC
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	12/17/2009
Person Adding/Editing Record:	CLARK, HILLARY
Date Of NFA Letter:	12/03/2009
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Environmental works
Date Closure Report Received:	2009-11-17 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use: False

WHITEMAN AFB MIKE-4 (Continued) **U003239286**

Compartment No: 1
Tank Compartment PK: 36236
Tank PK: 36238
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1992-09-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019589
Tank Id: 1
Site Usage: 2
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: 0
Drinking Water: Not reported
Closed Under: 80
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B33 **WHITEMAN AFB KILO-7** **MO LUST** **U003239265**
North **T.40N, R.32W, SECTION 1** **MO UST** **N/A**
1/4-1/2 **BUTLER, MO 64730**
0.481 mi.
2540 ft. **Site 30 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019568
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 04/18/1996
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/29/1996
Date Cleanup Finished: 04/29/1996
Expedited: No

WHITEMAN AFB KILO-7 (Continued) **U003239265**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005841
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/19/1997
Date Record Edited:	01/07/2015
Person Adding Or Editing Record:	MUKHTAR, H
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11/5/97 RJW- LU info is in the ST file. Closure Approved. In place closure 1/7/15:HM: Waiting for investgiation by the MGS.

UST:

Facility ID:	ST0019568
Region:	KC
Easting:	376716.840
Northing:	4239529.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**

WHITEMAN AFB KILO-7 (Continued) **U003239265**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/18/1996
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/31/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36215
Tank PK:	36217
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1996-04-18 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB KILO-7 (Continued) **U003239265**

Tank Aug 2011:

Facility Id:	ST0019568
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B34
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB KILO-6
T.39N, R.31W, SECTION 1
BUTLER, MO 64730

Site 31 of 92 in cluster B

MO LUST **U003239264**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019567
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	04/17/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/04/1996
Date Cleanup Finished:	04/25/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005840
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/19/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB KILO-6 (Continued) **U003239264**

General Comments: 11/4/97 RJW LU infor is in the ST file. Closure approved. In place closure.

UST:

Facility ID:	ST0019567
Region:	KC
Easting:	388349.970
Northing:	4227144.83
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/17/1996
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	10/31/1997
Date Record Edited:	05/17/2007

WHITEMAN AFB KILO-6 (Continued) **U003239264**

Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36214
Tank PK:	36216
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1996-04-17 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019567
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B35 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB BRAVO-4** **T.48N, R.19W, SECTION 5** **NELSON, MO 65347** **Site 32 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239333** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019636
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/14/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/14/1994
Date Cleanup Finished:	08/31/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005562
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/08/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4/12/96 DB SITE CLOSED

UST:

Facility ID:	ST0019636
Region:	KC
Easting:	497215.179
Northing:	4311937.81
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB BRAVO-4 (Continued) **U003239333**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36283
Tank PK:	36285
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB BRAVO-4 (Continued) **U003239333**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019636
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B36 **WHITEMAN AFB ALPHA-4** **MO LUST** **U003239321**
North **T.49N, R.23W, SECTION 25** **MO UST** **N/A**
1/4-1/2 **SWEET SPRINGS, MO 65351**
0.481 mi.
2540 ft. **Site 33 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019624
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/13/1995
Date Cleanup Finished:	11/02/1995
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-06-04 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005476
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB ALPHA-4 (Continued) **U003239321**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/07/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	3/1/96 db site closed

UST:

Facility ID:	ST0019624
Region:	NE
Easting:	466051
Northing:	4317862.63
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB ALPHA-4 (Continued) **U003239321**

Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/17/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 06/04/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 05/30/1996
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1996-04-10 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36271
Tank PK: 36273
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019624
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB ALPHA-4 (Continued) **U003239321**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B37
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB ALPHA-6
T.48N, R.24W, SECTION 8
CONCORDIA, MO 64020

MO LUST **U003239323**
MO UST **N/A**

Site 34 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019626
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/06/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/06/1994
Date Cleanup Finished:	08/21/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-06-04 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005478
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/08/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4/12/96 DB SITE CLOSED

UST:

Facility ID:	ST0019626
Region:	KC
Easting:	449367.830
Northing:	4312714.67
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB ALPHA-6 (Continued) **U003239323**

Lat/Long (dms): Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	06/04/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use: False

WHITEMAN AFB ALPHA-6 (Continued) **U003239323**

Compartment No:	1
Tank Compartment PK:	36273
Tank PK:	36275
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019626
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B38 **WHITEMAN AFB ALPHA-2** **MO LUST** **U003239319**
North **T.50N, R.23W, SECTION 13** **MO UST** **N/A**
1/4-1/2 **BLACKBURN, MO 65321**
0.481 mi.
2540 ft. **Site 35 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019622
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/13/1995
Date Cleanup Finished:	11/02/1995
Expedited:	No

WHITEMAN AFB ALPHA-2 (Continued) **U003239319**

Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-12 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005474
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: 3
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 01/05/1998
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 4/12/96 DB Site Closed

UST:
Facility ID: ST0019622
Region: NE
Easting: 467501.37
Northing: 4329890.11
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Permanently Closed in place
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported

WHITEMAN AFB ALPHA-2 (Continued) **U003239319**

Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/04/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	1996-02-09 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36269
Tank PK:	36271
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

WHITEMAN AFB ALPHA-2 (Continued) **U003239319**

Facility Id:	ST0019622
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B39
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB ALPHA-3
T.49N, R.22W, SECTION 4
SHACKLEFORD, MO 65340

MO LUST **U003239320**
MO UST **N/A**

Site 36 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019623
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/05/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/05/1994
Date Cleanup Finished:	08/31/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005475
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/05/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04/12/96 DB SITE CLOSED

WHITEMAN AFB ALPHA-3 (Continued) **U003239320**

UST:

Facility ID:	ST0019623
Region:	NE
Easting:	472004.710
Northing:	4323816.29
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB ALPHA-3 (Continued) **U003239320**

Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HBD CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36270
Tank PK:	36272
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019623
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B40 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB ALPHA-11** **T.50N, R.23W, SECTION 18** **BLACKBURN, MO 65321** **Site 37 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239328** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019631
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/08/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/08/1994
Date Cleanup Finished:	10/03/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005462
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	09-05-95 - DB - REVIEWED IN PLACE CLOSURE. INCOMPLETE. NEEDS CLOSURE INFORMATION PERTAINING TO THE TANK FILL CONTENTS, PHOTOS, AND SOIL SAMPLES. 04-01-96/DB SITE CLOSED

UST:

Facility ID:	ST0019631
Region:	NE
Easting:	458044.450
Northing:	4330999.41
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305

WHITEMAN AFB ALPHA-11 (Continued) **U003239328**

Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/29/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36278
Tank PK:	36280
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel

WHITEMAN AFB ALPHA-11 (Continued) **U003239328**

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-03-29 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019631
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B41
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB OSCAR-8
T.45N, R.24W, SECTION 34
KNOB NOSTER, MO 65336

MO LUST **U003239313**
MO UST **N/A**

Site 38 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019616
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 02/16/1995
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/16/1995
Date Cleanup Finished: 11/17/1995
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: **Not reported**
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005489

WHITEMAN AFB OSCAR-8 (Continued) **U003239313**

Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/02/1996
Date Record Edited:	01/15/1998
Person Adding Or Editing Record:	N$PERRT
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-29-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019616
Region:	KC
Easting:	450923.919
Northing:	4276856.71
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported

WHITEMAN AFB OSCAR-8 (Continued) **U003239313**

Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	09/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/09/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	1995-10-09 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36263
Tank PK:	36265
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019616
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported

WHITEMAN AFB OSCAR-8 (Continued) **U003239313**

Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B42
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB OSCAR-9
T.45N, R.25W, SECTION 14
BURTVILLE, MO 65336

Site 39 of 92 in cluster B

MO LUST **U003239314**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019617
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/16/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/16/1995
Date Cleanup Finished:	11/20/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005487
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/02/1996
Date Record Edited:	01/15/1998
Person Adding Or Editing Record:	N$PERRT
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-29-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019617
Region:	KC
Easting:	451005.37
Northing:	4282358.5
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S

WHITEMAN AFB OSCAR-9 (Continued) **U003239314**

Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/02/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/09/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	1995-08-09 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

WHITEMAN AFB OSCAR-9 (Continued) **U003239314**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36264
Tank PK:	36266
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019617
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B43 **WHITEMAN AFB ALPHA-5** **MO LUST** **U003239322**
North **T.48N, R.23W, SECTION 8** **MO UST** **N/A**
1/4-1/2 **EMMA, MO 65327**
0.481 mi.
2540 ft. **Site 40 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019625
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/13/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/13/1995

WHITEMAN AFB ALPHA-5 (Continued) **U003239322**

Date Cleanup Finished:	11/02/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-29 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005477
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/01/1996
Date Record Edited:	09/14/2001
Person Adding Or Editing Record:	KOON, K
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-29-96/DB/SITE CLOSED

UST:

Facility ID:	ST0019625
Region:	NE
Easting:	460113.669
Northing:	4313945.96
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**

WHITEMAN AFB ALPHA-5 (Continued) **U003239322**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	06/04/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36272
Tank PK:	36274
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB ALPHA-5 (Continued) **U003239322**

Tank Aug 2011:

Facility Id:	ST0019625
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B44
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB ALPHA-8
T.49N, R.24W, SECTION 16
ALMA, MO 64001

MO LUST **U003239325**
MO UST **N/A**

Site 41 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019628
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/07/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/07/1994
Date Cleanup Finished:	05/10/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005479
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	03/02/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB ALPHA-8 (Continued) **U003239325**

General Comments:	SITE CLOSED 4/12/96 DB

UST:

Facility ID:	ST0019628
Region:	KC
Easting:	452131.979
Northing:	4321694.17
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T

WHITEMAN AFB ALPHA-8 (Continued) **U003239325**

Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36275
Tank PK:	36277
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019628
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B45 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB ALPHA-9** **RT 1** **CORDER, MO 64021** **Site 42 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239326** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019629
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/07/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/07/1994
Date Cleanup Finished:	08/31/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005480
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/08/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4/12/96 DB SITE CLOSED

UST:

Facility ID:	ST0019629
Region:	KC
Easting:	444857.81
Northing:	4322801.82
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	39.022 / -93.3947
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB ALPHA-9 (Continued) **U003239326**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36276
Tank PK:	36278
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB ALPHA-9 (Continued) **U003239326**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019629
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B46
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB CHARLIE-2
T.48N, R.18W, SECTION 33
PILOT GROVE, MO 65276

Site 43 of 92 in cluster B

MO LUST **U003239343**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019646
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/20/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/20/1994
Date Cleanup Finished:	12/13/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005465
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB CHARLIE-2 (Continued) **U003239343**

Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 11-13-95 - DB - RECEIVED INCOMPLETE IN PLACE CLOSURE. NEEDS CLOSURE INFORMATION PERTAINING TO THE TANK FILL CONTENT, PHOTOS, ASBESTOS DISPOSAL, AND BORING LOG C2-SB-2. SITE CLOSED

UST:
Facility ID: ST0019646
Region: NE
Easting: 509090.520
Northing: 4303796.52
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported

WHITEMAN AFB CHARLIE-2 (Continued) **U003239343**

Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/31/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36293
Tank PK:	36295
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-03-31 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019646
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported

WHITEMAN AFB CHARLIE-2 (Continued) **U003239343**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B47 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB** **351 CES/CEV** **WHITEMAN AFB, MO 65305** **Site 44 of 92 in cluster B**	**MO LUST** **MO UST**	**U000285268** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	10/18/1989
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	10/18/1989
Date Cleanup Finished:	12/07/1992
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R002762
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	01/06/1998
Person Adding Or Editing Record:	N$WILDW
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	10/06/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	10/06/1992

WHITEMAN AFB (Continued) **U000285268**

Date Cleanup Finished:	03/09/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003776
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	03/18/1997
Person Adding Or Editing Record:	N$GARRV1
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/02/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/02/1992
Date Cleanup Finished:	04/15/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003674
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	12/21/1998
Person Adding Or Editing Record:	N$GARRV1
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB (Continued) **U000285268**

General Comments:	Not reported
Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/07/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/21/1992
Date Cleanup Finished:	05/13/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003684
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported
Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/09/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/09/1992
Date Cleanup Finished:	05/06/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003685
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported

WHITEMAN AFB (Continued) **U000285268**

RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/07/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	11/21/1992
Date Cleanup Finished:	05/13/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003686
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	11/16/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	11/23/1992
Date Cleanup Finished:	07/13/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0

WHITEMAN AFB (Continued) **U000285268**

Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003687
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	01/06/2000
Person Adding Or Editing Record:	NREQHW-GARRV
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/09/1992
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/09/1992
Date Cleanup Finished:	05/06/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R003688
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Release Date:	06/01/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	09/21/1994
Date Cleanup Finished:	03/14/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005002
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	3-14-95 - DB - SITE CLOSED.

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/08/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/08/1993
Date Cleanup Finished:	08/03/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004059
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	03/18/1997
Person Adding Or Editing Record:	N$GARRV1

WHITEMAN AFB (Continued) **U000285268**

Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: Not reported

Facility ID: ST0013623
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 01/01/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 03/29/1994
Date Cleanup Finished: 03/29/1994
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: Not reported
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004783
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: Not reported
Person Adding Or Editing Record: Not reported
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 06-29-94 - ONE 2,000-GALLON DIESEL UST REMOVAL WITH MINNIMAL CONTAMINATION.

Facility ID: ST0013623
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 01/01/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 02/15/1994
Date Cleanup Finished: 03/16/1994
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: Not reported
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004784
Rank: Not reported

WHITEMAN AFB (Continued) **U000285268**

Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding Or Editing Record:	Not reported
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	06-28-94 - TANK CLOSED IN-PLACE BECAUSE OF UTILITY LINES CROSSING THROUGH TANK PIT. BTEX = N.D.; TPH LESS THAN 35 PPM.

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	940624-1230-BJA
Release Date:	06/23/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	06/23/1994
Date Cleanup Finished:	10/08/1997
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004830
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	02/22/2000
Person Adding Or Editing Record:	NREQHW-GARRV
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	07-14-94 - MTM - POSSIBLE LEAK FROM OIL/WATER SEPARATOR. tank closed, soil clean, NOFA issued.

Facility ID:	ST0013623
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/14/1994
Release Type:	UNDERGROUND STORAGE TANK

WHITEMAN AFB (Continued) **U000285268**

Date Cleanup Started:	12/14/1994
Date Cleanup Finished:	12/08/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005526
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	163
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	08/28/1996
Person Adding Or Editing Record:	N$WHITA
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	02/01/96/JM/SITE CLOSED. 04-03-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0013623
Region:	KC
Easting:	450694.943
Northing:	4287055.36
Owner Of Geospatial Data:	Not reported
Geospatial Data Collected By:	INT_STEINBECK,Eli
Date GIS Data Collected:	08/13/2014
Lat/Long:	38.73273 / -93.56448
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground

WHITEMAN AFB (Continued) **U000285268**

Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 08/22/1990
Date Tank Permanently Closed/ Removed: 02/16/1994
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 01/21/1998
Person Adding/Editing Record: N$STEWS
Date Of NFA Letter: 02/16/1994
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 01/22/1993
Date Of Aprroval Letter: 1994-02-16 00:00:00
Firm Closing Tank: WHITEMAN AFB
Date Closure Report Received: 1990-12-14 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: 1-14,500 GAL DIESEL TANK, AFB ID# I-2

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34735
Tank PK: 34737
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1990-08-22 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	11
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	08/22/1990
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34736

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34738
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1990-08-22 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	26
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/29/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34737
Tank PK:	34739
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	6000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-06-29 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	265
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	05/11/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34776
Tank PK:	34778
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	500
Substance:	Other
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-05-11 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	266
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	07/15/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34777

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34779
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Other
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-07-15 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	27
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Fiberglass
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/29/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	05/30/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1993
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	WHITEMAN AFB
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	1-2000 GAL DIESEL AFB ID# 140

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34738
Tank PK:	34740
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	2000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-06-29 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	28
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34739
Tank PK:	34741
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	250
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	29
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34740

WHITEMAN AFB (Continued) **U000285268**

Tank PK: 34742
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: Not reported
Substance: Empty
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 32
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 05/17/1993
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34741
Tank PK:	34743
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	250
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-05-17 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	33
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34742
Tank PK: 34744
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 280
Substance: Empty
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	34
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	05/14/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34743

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34745
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	250
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-05-14 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	35
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34744
Tank PK:	34746
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	280
Substance:	Empty
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	36
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1986
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	10/15/1998
Person Adding/Editing Record:	N$MURRH
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34745
Tank PK:	34747
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	275
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1986-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	37
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	08/04/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34746

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34748
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	Not reported
Substance:	Other
Substance Other:	U.
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-08-04 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	38
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1986
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	10/15/1998
Person Adding/Editing Record:	N$MURRH
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34747
Tank PK:	34749
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	280
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1986-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	40
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Not reported
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/13/1990
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34748
Tank PK: 34750
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 600
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1990-04-13 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	41
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/13/1990
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34749

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34751
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	600
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1990-04-13 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	42
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1988
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	10/15/1998
Person Adding/Editing Record:	N$MURRH
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34750
Tank PK:	34752
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	280
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1988-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	43
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 01/01/1970
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: 10/15/1998
Person Adding/Editing Record: N$MURRH
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34751
Tank PK: 34753
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 250
Substance: Gasoline, Including Blends
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1970-01-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	44
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/19/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34752

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34754
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	1000
Substance:	Other
Substance Other:	U.
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-04-19 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	46
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34753
Tank PK:	34755
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	47
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34754
Tank PK:	34756
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	48
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34755

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34757
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	49
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34756
Tank PK:	34758
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	50
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34757
Tank PK:	34759
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	51
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34758

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34760
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	52
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34759
Tank PK:	34761
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	53
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34760
Tank PK:	34762
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	54
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34761

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34763
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	55
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34762
Tank PK:	34764
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	56
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type: Below Ground
Tank Status: Removed
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 06/30/1995
Date Record Edited: Not reported
Person Adding/Editing Record: Not reported
Date Of NFA Letter: Not reported
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 34763
Tank PK: 34765
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 50000
Substance: Other
Substance Other: P.JP-4
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	57
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34764

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34766
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	50000
Substance:	Other
Substance Other:	P.JP-4
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	58
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34765
Tank PK:	34767
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	59
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34766
Tank PK:	34768
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	60
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34767

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34769
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Hazardous Substance
Substance Other:	Not reported
Hazardous Substance:	CAUSTIC SOLUTION
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	61
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34768
Tank PK:	34770
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Hazardous Substance
Substance Other:	Not reported
Hazardous Substance:	CAUSTIC SOLUTION
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	62
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34769
Tank PK:	34771
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	63
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34770

WHITEMAN AFB (Continued) **U000285268**

Tank PK: 34772
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 12000
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: 1
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 64
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Permanently Closed in place
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34771
Tank PK:	34773
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	12000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	65
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	01/21/1998
Person Adding/Editing Record:	N$STEWS
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	03/27/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34772
Tank PK:	34774
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	12000
Substance:	Gasoline, Including Blends
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	66
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34773

WHITEMAN AFB (Continued) **U000285268**

Tank PK:	34775
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	67
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34774
Tank PK:	34776
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	68
Tank Double Wall:	0

WHITEMAN AFB (Continued) **U000285268**

Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	06/30/1995
Date Record Edited:	Not reported
Person Adding/Editing Record:	Not reported
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	34775
Tank PK:	34777
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	25000
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	Not reported
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	1
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB (Continued) **U000285268**

Tank Aug 2011:

Facility Id:	ST0013623
Tank Id:	46
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	47
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	33
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	49

WHITEMAN AFB (Continued) **U000285268**

Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 11
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 26
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 27
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported

WHITEMAN AFB (Continued) **U000285268**

GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 28
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 67
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 68
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported

WHITEMAN AFB (Continued) **U000285268**

Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	266
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	61
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	40
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No

WHITEMAN AFB (Continued) **U000285268**

No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 42
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 43
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 44
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No

WHITEMAN AFB (Continued) **U000285268**

Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 29
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 32
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 34
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

WHITEMAN AFB (Continued) **U000285268**

Facility Id:	ST0013623
Tank Id:	36
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	37
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	38
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	50
Site Usage:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	51
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	53
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	54
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	55
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	56
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	57
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported

WHITEMAN AFB (Continued) **U000285268**

Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	58
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	59
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	48
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No

WHITEMAN AFB (Continued) **U000285268**

Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	62
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	63
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	64
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No

WHITEMAN AFB (Continued) **U000285268**

Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 65
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 66
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

WHITEMAN AFB (Continued) **U000285268**

Facility Id: ST0013623
Tank Id: 35
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 41
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 52
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

Facility Id: ST0013623
Tank Id: 60
Site Usage: Not reported

WHITEMAN AFB (Continued) **U000285268**

Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

Facility Id:	ST0013623
Tank Id:	265
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B48 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB BRAVO-11** **RT2** **SWEET SPRINGS, MO 65351** **Site 45 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239340** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019643
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/09/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	04/03/1996
Date Cleanup Finished:	04/03/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005565
Rank:	Not reported

WHITEMAN AFB BRAVO-11 (Continued) **U003239340**

Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/26/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-3-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019643
Region:	NE
Easting:	476428.31
Northing:	4315564.83
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	38.594 / -93.165
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

WHITEMAN AFB BRAVO-11 (Continued) **U003239340**

Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 03/01/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 04/12/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36290
Tank PK: 36292
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019643
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported

WHITEMAN AFB BRAVO-11 (Continued) **U003239340**

Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B49
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB CHARLIE-4
T.47N, R.18W, SECTION 25
BELLAIR, MO 65237

MO LUST **U003239345**
MO UST **N/A**

Site 46 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019648
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/20/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/20/1994
Date Cleanup Finished:	11/14/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005466
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11-14-95 - DB - INCOMPLETE IN PLACE CLOSURE REQUIRES IN PLACE CLOSURE ACTIVITY REPORT TO INCLUDE PHOTOS, FILL CONTENTS AND AMOUNTS. 04-03-96 SITE CLOSED

UST:

Facility ID:	ST0019648
Region:	NE
Easting:	513335.660
Northing:	4296050.61
Owner Of Geospatial Data:	Hazardous Waste Program

WHITEMAN AFB CHARLIE-4 (Continued) **U003239345**

Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/04/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No

WHITEMAN AFB CHARLIE-4 (Continued) **U003239345**

Comments: Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36295
Tank PK:	36297
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-04-04 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019648
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B50 **WHITEMAN AFB BRAVO-10** **MO LUST** **U003239339**
North **T.48N, R.23W, SECTION 24** **MO UST** **N/A**
1/4-1/2 **SWEET SPRINGS, MO 65351**
0.481 mi.
2540 ft. **Site 47 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019642
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/14/1994
Release Type:	UNDERGROUND STORAGE TANK

WHITEMAN AFB BRAVO-10 (Continued) **U003239339**

Date Cleanup Started:	12/14/1994
Date Cleanup Finished:	12/06/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005463
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	10-23-95 - DB - REVIEWED IN PLACE CLOSURE. INCOMPLETE, NEEDS CLOSURE INFORMATION PERTAINING TO THE TANK FILL COTENTS, PHOTOS, ASBESTOS DISPOSAL. 04-03-96/DB SITE CLOSED. Not reported

UST:

Facility ID:	ST0019642
Region:	KC
Easting:	465663.229
Northing:	4308597.33
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

WHITEMAN AFB BRAVO-10 (Continued) **U003239339**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/30/1995
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36289
Tank PK:	36291
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-03-30 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

WHITEMAN AFB BRAVO-10 (Continued) **U003239339**

Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019642
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B51 **WHITEMAN AFB INDIA-2** **MO LUST** **U003239412**
North **T.43N, R.25W, SECTION 6** **MO UST** **N/A**
1/4-1/2 **LEETON, MO 64761**
0.481 mi.
2540 ft. **Site 48 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019715
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	02/14/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004310
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007

WHITEMAN AFB INDIA-2 (Continued) **U003239412**

Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

UST:

Facility ID:	ST0019715
Region:	KC
Easting:	437305.679
Northing:	4275434.81
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

WHITEMAN AFB INDIA-2 (Continued) **U003239412**

Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/23/1993
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1993-11-23 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36362
Tank PK:	36364
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019715
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B52	**WHITEMAN AFB INDIA-3**	**MO LUST**	**U003239413**
North	**T.44N, R.25W, SECTION 13**	**MO UST**	**N/A**
1/4-1/2	**LEETON, MO 64761**		
0.481 mi.			
2540 ft.	**Site 49 of 92 in cluster B**		

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019716
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	11/02/1993
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-01 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004430
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	01-25-94 - 14,500 DIESEL FUEL TANK REMOVED.

UST:

Facility ID:	ST0019716
Region:	KC
Easting:	444640.510
Northing:	4271437.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB INDIA-3 (Continued) **U003239413**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/01/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/27/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORPORATION
Date Closure Report Received:	1994-01-27 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36363
Tank PK:	36365
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB INDIA-3 (Continued) **U003239413**

Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019716
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B53 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB INDIA-4** **T.43N, R.25W, SECTION 11** **LEETON, MO 64761** **Site 50 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239414** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019717
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004508
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB INDIA-4 (Continued) **U003239414**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	2/14/94 - DB - REMOVAL OF ONE 14500 GALLON DIESEL UST.

UST:

Facility ID:	ST0019717
Region:	KC
Easting:	442509.450
Northing:	4264009.12
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB INDIA-4 (Continued) **U003239414**

Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36364
Tank PK:	36366
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019717
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

WHITEMAN AFB INDIA-4 (Continued) **U003239414**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B54 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB INDIA-5** **T.43N, R.24W, SECTION 16** **WINDSOR, MO 65360** **Site 51 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239415** **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019718
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004509
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	Not reported

UST:

Facility ID:	ST0019718
Region:	KC
Easting:	449116.090
Northing:	4261488.24
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB INDIA-5 (Continued) **U003239415**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False

WHITEMAN AFB INDIA-5 (Continued) **U003239415**

Compartment No:	1
Tank Compartment PK:	36365
Tank PK:	36367
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019718
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B55 **WHITEMAN AFB INDIA-6** **MO LUST** **U003239416**
North **T.42N, R.25W, SECTION 10** **MO UST** **N/A**
1/4-1/2 **CALHOUN, MO 65323**
0.481 mi.
2540 ft. **Site 52 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019719
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	08/04/1993
Date Cleanup Finished:	Not reported
Expedited:	No

WHITEMAN AFB INDIA-6 (Continued) **U003239416**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004260
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/31/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	02/16/1994
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11-8-95 - SITE CLOSED

UST:

Facility ID:	ST0019719
Region:	KC
Easting:	441790.25
Northing:	4255898.36
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported

WHITEMAN AFB INDIA-6 (Continued) **U003239416**

Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: Not reported
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/31/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 02/16/1994
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: Not reported
Date Of Aprroval Letter: Not reported
Firm Closing Tank: Not reported
Date Closure Report Received: Not reported
Registration End Date: Not reported
LockOut Flag: No
Comments: Site was administratively closed.

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36366
Tank PK: 36368
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

WHITEMAN AFB INDIA-6 (Continued) **U003239416**

Facility Id:	ST0019719
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B56
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB INDIA-11
T.44N, R.26W, SECTION 35
CHILHOWEE, MO 64733

MO LUST **U003239421**
MO UST **N/A**

Site 53 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019724
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004514
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	2/14/94 - DB - REMOVAL OF ONE 14500 GALLON DIESEL UST.

WHITEMAN AFB INDIA-11 (Continued) **U003239421**

UST:

Facility ID:	ST0019724
Region:	KC
Easting:	433909.090
Northing:	4267513.52
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB INDIA-11 (Continued) **U003239421**

Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36371
Tank PK:	36373
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019724
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B57 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB INDIA-1A** **T.43N, R.26W, SECTION 25** **CLINTON, MO 64735** **Site 54 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239410** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019713
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	05/06/1997
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	05/06/1997
Date Cleanup Finished:	Not reported
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R006266
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	155
RBCA NFA:	No
Project Manager:	4
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/15/1999
Date Record Edited:	03/17/2000
Person Adding Or Editing Record:	NREQHW-MUKHH
Facility Sent To State Archive:	No
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	1/15/99.HM: rec. letter dated Oct. 29, 1998. requested excavation or remediation of contaminated soil. 04/9/99. HM: Closed site and issued final closure letter.

UST:

Facility ID:	ST0019713
Region:	KC
Easting:	434666.530
Northing:	4259369.03
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305

WHITEMAN AFB INDIA-1A (Continued) **U003239410**

Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	Not reported
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	03/05/2009
Person Adding/Editing Record:	VEIT, CHRIS
Date Of NFA Letter:	04/16/1999
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	Not reported
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	Not reported
Date Closure Report Received:	Not reported
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36360
Tank PK:	36362
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	2500
Substance:	Diesel

WHITEMAN AFB INDIA-1A (Continued) **U003239410**

Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: Not reported
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019713
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B58
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB HOTEL-11
T.36N, R.29W, SECTION 4
DEDERICK, MO 64744

MO LUST **U003239409**
MO UST **N/A**

Site 55 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019712
Region: SW - Southwest Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 04/18/1996
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 03/12/1996
Date Cleanup Finished: 09/10/1996
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1997-11-21 00:00:00
Date Record Meets Archive Criteria: 05/10/2011
Remediation ID: R005837

WHITEMAN AFB HOTEL-11 (Continued) **U003239409**

Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/18/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11/5/97 RJW LU info is in the ST file. Closure Approved. In place closure.

UST:

Facility ID:	ST0019712
Region:	SW
Easting:	401407.56
Northing:	4197266
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported

WHITEMAN AFB HOTEL-11 (Continued) **U003239409**

Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 04/18/1996
Date Tank Permanently Closed/ Removed: 09/01/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/22/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 11/21/1997
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/11/1997
Date Of Aprroval Letter: Not reported
Firm Closing Tank: CET ENVIRONMENTAL SERVICES
Date Closure Report Received: 1997-04-11 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36359
Tank PK: 36361
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-18 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019712
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported

WHITEMAN AFB HOTEL-11 (Continued) **U003239409**

Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B59
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB CHARLIE-6
T.46N, R.18W, SECTION 19
SYRACUSE, MO 65354

Site 56 of 92 in cluster B

MO LUST **U003239347**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019650
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/20/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/20/1994
Date Cleanup Finished:	01/09/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005467
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11-14-95 - DB - NEED IN PLACE CLOSURE ACTIVITY REPORT TO INCLUDE PHOTOS, FILL CONTENTS, AND AMOUNT. 04-03-96/DB SITE CLOSED.

UST:

Facility ID:	ST0019650
Region:	NE
Easting:	504978.320

WHITEMAN AFB CHARLIE-6 (Continued) **U003239347**

Northing:	4286893.56
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/03/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTUCTION
Date Closure Report Received:	1995-08-24 00:00:00

WHITEMAN AFB CHARLIE-6 (Continued) **U003239347**

Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36297
Tank PK: 36299
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1995-04-03 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019650
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B60 **WHITEMAN AFB CHARLIE-7** **MO LUST** **U003239348**
North **T.45N, R.19W, SECTION 10** **MO UST** **N/A**
1/4-1/2 **OTTERVILLE, MO 65348**
0.481 mi.
2540 ft. **Site 57 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019651
Region: NE - Northeast Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported

WHITEMAN AFB CHARLIE-7 (Continued) **U003239348**

Release Date:	12/20/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/20/1994
Date Cleanup Finished:	01/10/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005468
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11-15-95 - DB - NEED IN PLACE CLOSURE ACTIVITY REPORT TO INCLUDE PHOTOS, FILL CONTENTS AND AMOUNT, ASBESTOS DISPOSAL. 04-03-96/DB SITE CLOSED

UST:

Facility ID:	ST0019651
Region:	NE
Easting:	499956.350
Northing:	4280884.08
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

WHITEMAN AFB CHARLIE-7 (Continued) **U003239348**

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/03/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36298
Tank PK:	36300
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-04-03 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported

WHITEMAN AFB CHARLIE-7 (Continued) **U003239348**

Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019651
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B61 **WHITEMAN AFB CHARLIE-9** **MO LUST** **U003239350**
North **T.46, R.20W, SECTION 16** **MO UST** **N/A**
1/4-1/2 **SEDALIA, MO 65301**
0.481 mi.
2540 ft. **Site 58 of 92 in cluster B**

Relative: Lower

Actual: 837 ft.

LUST:
Facility ID: ST0019653
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 12/21/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 12/21/1994
Date Cleanup Finished: 01/10/1996
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-12 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005567
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/26/1996
Date Record Edited: 05/17/2007

WHITEMAN AFB CHARLIE-9 (Continued) **U003239350**

Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-3-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0019653
Region:	KC
Easting:	489072.650
Northing:	4289661.29
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported

WHITEMAN AFB CHARLIE-9 (Continued) **U003239350**

Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36300
Tank PK:	36302
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019653
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B62 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**

WHITEMAN (EX) ILS MM ANX
HIGHWAY D AND WHITEMAN AIR FORCE BASE
WHITEMAN AIR FORCE BASE, MO 65305

SEMS-ARCHIVE **1003073165** **MON000703450**

Site 59 of 92 in cluster B

Relative: **Lower**

Actual: **837 ft.**

SEMS Archive:

Site ID:	0703450
EPA ID:	MON000703450
Cong District:	04
FIPS Code:	29101
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	07
Site ID:	0703450
EPA ID:	MON000703450
Site Name:	WHITEMAN (EX) ILS MM ANX
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2000-07-12 04:00:00
Finish Date:	2000-07-12 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	07
Site ID:	0703450
EPA ID:	MON000703450
Site Name:	WHITEMAN (EX) ILS MM ANX
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2002-03-27 05:00:00
Finish Date:	2003-01-28 05:00:00
Qual:	N
Current Action Lead:	St Perf

B63 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**

WHITEMAN AFB CHARLIE-3
RT 3
BOONVILLE, MO 65233

MO LUST **MO UST** **U003239344** **N/A**

Site 60 of 92 in cluster B

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019647
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/15/1995
Release Type:	UNDERGROUND STORAGE TANK

WHITEMAN AFB CHARLIE-3 (Continued) **U003239344**

Date Cleanup Started: 12/15/1995
Date Cleanup Finished: 12/18/1995
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1996-04-12 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005464
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: 208
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 05/17/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 11-14-95 - DB - INCOMPLETE IN PLACE CLOSURE. NEEDS CLOSURE INFORMATION PERTAINING TO THE TANK FILL CONTENTS, PHOTOS, ASBESTOS DISPOSAL, AND THE F-2 DIAGRAM. SITE CLOSED

UST:
Facility ID: ST0019647
Region: NE
Easting: 514221.200
Northing: 4310296.71
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: 38.563 / -92.5013
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1

WHITEMAN AFB CHARLIE-3 (Continued) **U003239344**

Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	03/31/1995
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	08/24/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-08-24 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36294
Tank PK:	36296
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1995-03-31 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0

WHITEMAN AFB CHARLIE-3 (Continued) **U003239344**

Spill Protection: False

Tank Aug 2011:

Facility Id:	ST0019647
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B64
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB GOLF-11
T.40N, R.27W, SECTION 22
MONTROSE, MO 64770

Site 61 of 92 in cluster B

MO LUST **U003239400**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019703
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/21/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/21/1995
Date Cleanup Finished:	07/27/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-07 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005483
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/13/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T

WHITEMAN AFB GOLF-11 (Continued) **U003239400**

Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 5/7/96 DB SITE CLOSED

UST:
Facility ID: ST0019703
Region: SW
Easting: 420627.169
Northing: 4233058.09
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: 01/01/1963
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1994
Date Tank Permanently Closed/ Removed: 07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

WHITEMAN AFB GOLF-11 (Continued) **U003239400**

Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/07/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/20/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-10-20 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36350
Tank PK:	36352
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019703
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B65 **WHITEMAN AFB CHARLIE-11** **MO LUST** **U003239352**
North **T.49N, R.19W, SECTION 13** **MO UST** **N/A**
1/4-1/2 **ARROW ROCK, MO 65320**
0.481 mi.
2540 ft. **Site 62 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019655
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/15/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/15/1994
Date Cleanup Finished:	12/11/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005568
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/26/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-3-96/DB/ SITE CLOSED

UST:

Facility ID:	ST0019655
Region:	NE
Easting:	504039.109
Northing:	4317912.5
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB CHARLIE-11 (Continued) **U003239352**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36302
Tank PK:	36304
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB CHARLIE-11 (Continued) **U003239352**

Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019655
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B66 **WHITEMAN AFB GOLF-10** **MO LUST** **U003239399**
North **T.39N, R.28W, SECTION 1** **MO UST** **N/A**
1/4-1/2 **MONTROSE, MO 64770**
0.481 mi.
2540 ft. **Site 63 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019702
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/20/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/20/1995
Date Cleanup Finished:	07/26/1995
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-07 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005484
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB GOLF-10 (Continued) **U003239399**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	01/13/1998
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	5/7/96 DB SITE CLOSED

UST:

Facility ID:	ST0019702
Region:	SW
Easting:	416450.87
Northing:	4226800.25
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB GOLF-10 (Continued) **U003239399**

Date Tank Last Used:	12/01/1994
Date Tank Permanently Closed/ Removed:	07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	05/07/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	10/20/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-10-20 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36349
Tank PK:	36351
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019702
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

WHITEMAN AFB GOLF-10 (Continued) **U003239399**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B67
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-4
T.43N, R.21W, SECTION 18
WINDSOR, MO 65360

MO LUST **U003239381**
MO UST **N/A**

Site 64 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019684
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005034
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019684
Region:	KC
Easting:	474878.400
Northing:	4261352.33
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB FOXTROT-4 (Continued) **U003239381**

Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Permanently Closed in place**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 01/01/1993
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/24/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 12/08/1994
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 11/08/1994
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1994-11-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False

WHITEMAN AFB FOXTROT-4 (Continued) **U003239381**

Compartment No:	1
Tank Compartment PK:	36331
Tank PK:	36333
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019684
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B68
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-6
T.42N, R.22W, SECTION 34
SEDALIA, MO 65301

Site 65 of 92 in cluster B

MO LUST **U003239383**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019686
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No

WHITEMAN AFB FOXTROT-6 (Continued) **U003239383**

Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1994-12-08 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R005036
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 05/24/2007
Person Adding Or Editing Record: DOGGETT, T
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 12-7-94 - SITE CLOSED.

UST:
Facility ID: ST0019686
Region: KC
Easting: 470745.419
Northing: 4247867.96
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Permanently Closed in place
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported

WHITEMAN AFB FOXTROT-6 (Continued) **U003239383**

Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	12/08/1994
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	Not reported
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36333
Tank PK:	36335
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

WHITEMAN AFB FOXTROT-6 (Continued) **U003239383**

Facility Id:	ST0019686
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B69
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-11
T.44N, R.23W, SECTION 5
GREEN RIDGE, MO 65332

Site 66 of 92 in cluster B

MO LUST **U003239388**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019691
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005041
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

WHITEMAN AFB FOXTROT-11 (Continued) **U003239388**

UST:

Facility ID:	ST0019691
Region:	KC
Easting:	458846.739
Northing:	4274093.5
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/08/1994
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB FOXTROT-11 (Continued) **U003239388**

Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36338
Tank PK:	36340
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019691
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B70 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB FOXTROT-10** **T.44N, R.24W, SECTION 26** **WINDSOR, MO 65360** **Site 67 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239387** **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019690
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/18/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/18/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005040
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019690
Region:	KC
Easting:	453881.929
Northing:	4267843.77
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB FOXTROT-10 (Continued) **U003239387**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/08/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36337
Tank PK:	36339
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB FOXTROT-10 (Continued) **U003239387**

Mixture:	False
Date of Last Use:	1994-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019690
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B71
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-9
T.42N, R.24W, SECTION 11
CALHOUN, MO 65323

MO LUST **U003239386**
MO UST **N/A**

Site 68 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019689
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/18/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/18/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005039
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB FOXTROT-9 (Continued) **U003239386**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019689
Region:	KC
Easting:	453498.650
Northing:	4255222.87
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB FOXTROT-9 (Continued) **U003239386**

Date Tank Last Used:	01/01/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/08/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36336
Tank PK:	36338
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019689
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

WHITEMAN AFB FOXTROT-9 (Continued) **U003239386**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B72
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB DELTA-7
T.44N, R.17W, SECTION 33
FORTUNA, MO 65034

MO LUST **U003239360**
MO UST **N/A**

Site 69 of 92 in cluster B

Relative: **Lower**
Actual: **837 ft.**

LUST:

Facility ID:	ST0019663
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/09/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/09/1995
Date Cleanup Finished:	01/14/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005572
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/19/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-11-96/DB/ SITE CLOSED. Mail: Clark Retail Enterprises, 3003 Butterfield Rd # 300, Oak Brook, IL 60523.

UST:

Facility ID:	ST0019663
Region:	SW
Easting:	517353.5
Northing:	4265152.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010

WHITEMAN AFB DELTA-7 (Continued) **U003239360**

Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

WHITEMAN AFB DELTA-7 (Continued) **U003239360**

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36310
Tank PK: 36312
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019663
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B73 **WHITEMAN AFB DELTA-9** **MO LUST** **U003239362**
North **T.43N, R.19W, SECTION 33** **MO UST** **N/A**
1/4-1/2 **STOVER, MO 65078**
0.481 mi.
2540 ft. **Site 70 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019665
Region: SW - Southwest Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 12/22/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 12/22/1994

WHITEMAN AFB DELTA-9 (Continued) **U003239362**

Date Cleanup Finished:	01/16/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005574
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/20/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-12-96/DB/ Site Closed.

UST:

Facility ID:	ST0019665
Region:	SW
Easting:	497120.37
Northing:	4255198.04
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**

WHITEMAN AFB DELTA-9 (Continued) **U003239362**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/01/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-01 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36312
Tank PK:	36314
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB DELTA-9 (Continued)   **U003239362**

Tank Aug 2011:

Facility Id:	ST0019665
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B74
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB DELTA-5
T.43N, R.16W, SECTION 29
VERSAILLES, MO 65084

Site 71 of 92 in cluster B

MO LUST **U003239358**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019661
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/27/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/27/1995
Date Cleanup Finished:	01/15/1995
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005561
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/26/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB DELTA-5 (Continued) **U003239358**

General Comments: 4-3-96/DB/SITE CLOSED

UST:

Facility ID:	ST0019661
Region:	SW
Easting:	524723.820
Northing:	4256089.36
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K

WHITEMAN AFB DELTA-5 (Continued) **U003239358**

Date Of NFA Letter:	04/12/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36308
Tank PK:	36310
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019661
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B75 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB FOXTROT-5** **T.42N, R.22W, SECTION 4** **COLE CAMP, MO 65325** **Site 72 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239382** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019685
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005035
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019685
Region:	KC
Easting:	469489.780
Northing:	4255699.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB FOXTROT-5 (Continued) **U003239382**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/08/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36332
Tank PK:	36334
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB FOXTROT-5 (Continued) **U003239382**

Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019685
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B76 **WHITEMAN AFB DELTA-6** **MO LUST** **U003239359**
North **T.43N, R.17W, SECTION 28** **MO UST** **N/A**
1/4-1/2 **VERSAILLES, MO 65084**
0.481 mi.
2540 ft. **Site 73 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019662
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/28/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/28/1994
Date Cleanup Finished:	01/14/1996
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-15 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005571
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB DELTA-6 (Continued) **U003239359**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/19/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	04-11-96/DB/ Site Closed.

UST:

Facility ID:	ST0019662
Region:	SW
Easting:	516822.290
Northing:	4256936.46
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB DELTA-6 (Continued) **U003239359**

Date Tank Last Used:	12/01/1993
Date Tank Permanently Closed/ Removed:	04/01/1995
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	04/15/1996
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	12/13/1995
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1995-12-13 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36309
Tank PK:	36311
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-12-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019662
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported

WHITEMAN AFB DELTA-6 (Continued) **U003239359**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B77
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-7
T.42N, R.23W, SECTION 22
LINCOLN, MO 65338

MO LUST **U003239384**
MO UST **N/A**

Site 74 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019687
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/18/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/18/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005037
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	M
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019687
Region:	KC
Easting:	460314.850
Northing:	4251119.79
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB FOXTROT-7 (Continued) **U003239384**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1994
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/08/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False

WHITEMAN AFB FOXTROT-7 (Continued) **U003239384**

Compartment No:	1
Tank Compartment PK:	36334
Tank PK:	36336
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1994-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019687
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B78 **WHITEMAN AFB INDIA-7** **MO LUST** **U003239417**
North **T.41N, R.25W, SECTION 1** **MO UST** **N/A**
1/4-1/2 **CLINTON, MO 64735**
0.481 mi.
2540 ft. **Site 75 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019720
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No

WHITEMAN AFB INDIA-7 (Continued) **U003239417**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004510
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	2/14/94 - DB - REMOVAL OF ONE 14500 GALLON DIESEL UST.

UST:

Facility ID:	ST0019720
Region:	KC
Easting:	444662.62
Northing:	4246446.28
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963

WHITEMAN AFB INDIA-7 (Continued) **U003239417**

Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	01/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36367
Tank PK:	36369
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

WHITEMAN AFB INDIA-7 (Continued) **U003239417**

Facility Id:	ST0019720
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B79 **WHITEMAN AFB INDIA-8** **MO LUST** **U003239418**
North **T.42N, R.26W, SECTION 7** **MO UST** **N/A**
1/4-1/2 **CLINTON, MO 64735**
0.481 mi.
2540 ft. **Site 76 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019721
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	02/14/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004405
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12/6/93 - 14,500 GALLON DIESEL TANK WAS REMOVED FROM A MISSILE SITE.

WHITEMAN AFB INDIA-8 (Continued) **U003239418**

UST:

Facility ID:	ST0019721
Region:	KC
Easting:	427251.710
Northing:	4255217.31
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB INDIA-8 (Continued) **U003239418**

Date Closure Notice Received:	11/02/1993
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1993-11-02 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36368
Tank PK:	36370
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019721
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B80 **WHITEMAN AFB INDIA-9** **MO LUST** **U003239419**
North **T.42N, R.27W, SECTION 5** **MO UST** **N/A**
1/4-1/2 **URICH, MO 64788**
0.481 mi.
2540 ft. **Site 77 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019722
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004511
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	2/14/94 - DB - REMOVAL OF ONE 14500 GALLON DIESEL UST.

UST:

Facility ID:	ST0019722
Region:	KC
Easting:	0
Northing:	0
Owner Of Geospatial Data:	Not reported
Geospatial Data Collected By:	INT_EDELHUBER,Brian
Date GIS Data Collected:	07/31/2014
Lat/Long:	37.38361 / -93.15111
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB INDIA-9 (Continued) **U003239419**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	08/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36369
Tank PK:	36371
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB INDIA-9 (Continued) **U003239419**

Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019722
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B81
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB CHARLIE-5
T.46N, R.18W, SECTION 24
SYRACUSE, MO 65354

MO LUST **U003239346**
MO UST **N/A**

Site 78 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019649
Region:	NE - Northeast Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	12/20/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	12/20/1994
Date Cleanup Finished:	01/09/1996
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-04-12 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005566
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB CHARLIE-5 (Continued) **U003239346**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/26/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-3-1996/DB/ SITE CLOSED

UST:

Facility ID:	ST0019649
Region:	NE
Easting:	512955.840
Northing:	4287234.46
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported

WHITEMAN AFB CHARLIE-5 (Continued) **U003239346**

Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 08/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 04/12/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36296
Tank PK: 36298
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019649
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported

WHITEMAN AFB CHARLIE-5 (Continued) **U003239346**

No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B82
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB INDIA-10
T.44N, R.26W, SECTION 9
CHILHOWEE, MO 64733

MO LUST **U003239420**
MO UST **N/A**

Site 79 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019723
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/15/1993
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/15/1993
Date Cleanup Finished:	01/31/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-02-16 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004512
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	2/14/94 - DB - REMOVAL OF ONE 14500 GALLON DIESEL UST.

UST:

Facility ID:	ST0019723
Region:	KC
Easting:	429982.210
Northing:	4273528.58
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported

WHITEMAN AFB INDIA-10 (Continued) **U003239420**

Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	07/01/1993
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	02/16/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	01/31/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	IT CORP
Date Closure Report Received:	1994-01-31 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False

WHITEMAN AFB INDIA-10 (Continued) **U003239420**

Compartment No:	1
Tank Compartment PK:	36370
Tank PK:	36372
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019723
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B83
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-3
T.43N, R.22W, SECTION 6
GREEN RIDGE, MO 65332

Site 80 of 92 in cluster B

MO LUST **U003239380**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019683
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No

WHITEMAN AFB FOXTROT-3 (Continued) **U003239380**

Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-08 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005033
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

UST:

Facility ID:	ST0019683
Region:	KC
Easting:	466525.600
Northing:	4265456.38
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported

WHITEMAN AFB FOXTROT-3 (Continued) **U003239380**

Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 01/01/1993
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/24/2007
Person Adding/Editing Record: DOGGETT, T
Date Of NFA Letter: 12/08/1994
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 11/08/1994
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1994-11-08 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36330
Tank PK: 36332
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-01-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:

WHITEMAN AFB FOXTROT-3 (Continued) **U003239380**

Facility Id:	ST0019683
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B84
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB FOXTROT-8
T.41N, R.24W, SECTION 14
CALHOUN, MO 65323

MO LUST **U003239385**
MO UST **N/A**

Site 81 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019688
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/18/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/18/1994
Date Cleanup Finished:	12/07/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-13 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005038
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/24/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-7-94 - SITE CLOSED.

WHITEMAN AFB FOXTROT-8 (Continued) **U003239385**

UST:

Facility ID:	ST0019688
Region:	KC
Easting:	452436.44
Northing:	4242915.19
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	01/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/24/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/13/1994
Is Tank Used For Emergency Generator:	No

WHITEMAN AFB FOXTROT-8 (Continued) **U003239385**

Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-08 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36335
Tank PK:	36337
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-01-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019688
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B85 **WHITEMAN AFB GOLF-4** **MO LUST** **U003239393**
North **T.39N, R.25W, SECTION 30** **MO UST** **N/A**
1/4-1/2 **LOWRY, MO 64763**
0.481 mi.
2540 ft. **Site 82 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019696
Region:	SW - Southwest Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/18/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/18/1996
Date Cleanup Finished:	09/09/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005836
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/05/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11/5/97 RJW - LU info is in the ST file. Closure report approved.

UST:

Facility ID:	ST0019696
Region:	SW
Easting:	437960.710
Northing:	4219326.27
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101

WHITEMAN AFB GOLF-4 (Continued) **U003239393**

Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/22/1996
Date Tank Permanently Closed/ Removed:	11/01/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/23/2001
Person Adding/Editing Record:	ESSNER, K
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36343
Tank PK:	36345
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported

WHITEMAN AFB GOLF-4 (Continued) **U003239393**

Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1996-04-22 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019696
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B86
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB GOLF-2
T.40N, R.26W, SECTION 16
DEEPWATER, MO 64740

Site 83 of 92 in cluster B

MO LUST **U003239391**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019694
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	06/01/1995
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	06/01/1995
Date Cleanup Finished:	02/09/1996
Expedited:	No
Expedited Date:	Not reported

Expenditures From The American Recovery and Reinvestment Act of 2009No

Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1996-05-02 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005594
Rank:	Not reported

WHITEMAN AFB GOLF-2 (Continued) **U003239391**

Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	208
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	07/03/1996
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	4-30-96/DB/ SITE CLOSED.

UST:

Facility ID:	ST0019694
Region:	KC
Easting:	428781.200
Northing:	4234177.29
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

WHITEMAN AFB GOLF-2 (Continued) **U003239391**

Tank External Protec Date: Not reported
Date Tank Last Used: 12/01/1993
Date Tank Permanently Closed/ Removed: 07/01/1995
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 05/23/2001
Person Adding/Editing Record: ESSNER, K
Date Of NFA Letter: 05/02/1996
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 12/13/1995
Date Of Aprroval Letter: Not reported
Firm Closing Tank: HDB CONSTRUCTION
Date Closure Report Received: 1995-12-13 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36341
Tank PK: 36343
Case Number: Not reported
Compartment Status: Permanently Closed in place
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1993-12-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019694
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported

WHITEMAN AFB GOLF-2 (Continued) **U003239391**

Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B87	**WHITEMAN AFB FOXTROT-2**	**MO LUST**	**U003239379**
North	**T.45N, R.22W, SECTION 32**	**MO UST**	**N/A**
1/4-1/2	**GREEN RIDGE, MO 65332**		
0.481 mi.			
2540 ft.	**Site 84 of 92 in cluster B**		

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019682
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	03/17/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	03/17/1994
Date Cleanup Finished:	12/02/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1994-12-05 00:00:00**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R005032
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	05/21/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-02-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019682
Region:	KC
Easting:	467808.340
Northing:	4275964.34
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010

WHITEMAN AFB FOXTROT-2 (Continued) **U003239379**

Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	06/01/1993
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	02/26/2014
Person Adding/Editing Record:	SESSLER, D
Date Of NFA Letter:	12/05/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	11/08/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-11-05 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

WHITEMAN AFB FOXTROT-2 (Continued) **U003239379**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36329
Tank PK:	36331
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1993-06-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019682
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B88 **WHITEMAN AFB LIMA-10** **MO LUST** **U003239280**
North **T.42N, R.32W, SECTION 31** **MO UST** **N/A**
1/4-1/2 **MAIN CITY, MO 64742**
0.481 mi.
2540 ft. **Site 85 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019583
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/22/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/22/1996

WHITEMAN AFB LIMA-10 (Continued) **U003239280**

Date Cleanup Finished:	09/17/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005821
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	10/06/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	10/6/97 RJW LU info is in the ST file. Closure Approved.

UST:

Facility ID:	ST0019583
Region:	KC
Easting:	369134.080
Northing:	4261074.91
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**

WHITEMAN AFB LIMA-10 (Continued) **U003239280**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/24/1996
Date Tank Permanently Closed/ Removed:	09/01/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	03/08/2001
Person Adding/Editing Record:	WILDER, B
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36230
Tank PK:	36232
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1996-04-24 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

WHITEMAN AFB LIMA-10 (Continued) **U003239280**

Tank Aug 2011:

Facility Id:	ST0019583
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B89
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB MIKE-6
T-45N, R.27W, SECTION 12
CENTERVIEW, MO 64019

MO LUST **U003239288**
MO UST **N/A**

Site 86 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019591
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/27/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/27/1994
Date Cleanup Finished:	06/08/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004733
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No

WHITEMAN AFB MIKE-6 (Continued) **U003239288**

General Comments: 12-12-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019591
Region:	KC
Easting:	425581.299
Northing:	4284639.71
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	08/19/2008
Person Adding/Editing Record:	LIGHT, K

WHITEMAN AFB MIKE-6 (Continued) **U003239288**

Date Of NFA Letter:	09/19/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-05-18 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Closure was discussed during a meeting held on June 15, 1994. It was determined that the M-sites would be given No Further Action status, and further paper work was to sent in as well as the NFA status. Paper work was sent. KML

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36238
Tank PK:	36240
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	145001
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019591
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B90 **WHITEMAN AFB MIKE-2** **MO LUST** **U003239284**
North **T.47N, R.27W, SECTION 36** **MO UST** **N/A**
1/4-1/2 **WARRENSBURG, MO 64093**
0.481 mi.
2540 ft. **Site 87 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019587
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	02/16/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/16/1996
Date Cleanup Finished:	10/31/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	02/14/2018
Remediation ID:	R005827
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	10/20/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	No
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	10/20/97 RJW LU info is in the ST file. Closure Approved

UST:

Facility ID:	ST0019587
Region:	KC
Easting:	427402.540
Northing:	4298947.92
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB MIKE-2 (Continued) **U003239284**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Permanently Closed in place**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/09/1996
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	05/17/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36234
Tank PK:	36236
Case Number:	Not reported
Compartment Status:	Permanently Closed in place
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported

WHITEMAN AFB MIKE-2 (Continued) **U003239284**

Mixture:	False
Date of Last Use:	1996-04-09 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019587
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B91
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB LIMA-11
T.43N, R.31W, SECTION 9
LONE TREE, MO 64701

Site 88 of 92 in cluster B

MO LUST **U003239281**
MO UST **N/A**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019584
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	04/01/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/22/1996
Date Cleanup Finished:	04/08/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005844
Rank:	Not reported
Emergeny Response Date:	Not reported

WHITEMAN AFB LIMA-11 (Continued) **U003239281**

Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/19/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11/4/97 RJW - LU info is in the ST file. Closure approved. In place closure.

UST:

Facility ID:	ST0019584
Region:	KC
Easting:	382404.229
Northing:	4266936.11
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported

WHITEMAN AFB LIMA-11 (Continued) **U003239281**

Tank External Protec Date: Not reported
Date Tank Last Used: 04/01/1996
Date Tank Permanently Closed/ Removed: 09/01/1996
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported
Date Record Added: 11/03/1997
Date Record Edited: 03/08/2001
Person Adding/Editing Record: WILDER, B
Date Of NFA Letter: 11/21/1997
Is Tank Used For Emergency Generator: No
Date Closure Notice Received: 04/11/1997
Date Of Aprroval Letter: Not reported
Firm Closing Tank: CET ENVIRONMENTAL SERVICES
Date Closure Report Received: 1997-04-11 00:00:00
Registration End Date: Not reported
LockOut Flag: No
Comments: Not reported

Tank Compartment:
Tanks Use: False
Compartment No: 1
Tank Compartment PK: 36231
Tank PK: 36233
Case Number: Not reported
Compartment Status: Removed
Compartment Temp Verified Dt: Not reported
Capacity: 14500
Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1996-04-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019584
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported

WHITEMAN AFB LIMA-11 (Continued) **U003239281**

Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B92 **North** **1/4-1/2** **0.481 mi.** **2540 ft.**	**WHITEMAN AFB LIMA-8** **T.43N, R.28W, SECTION 22** **URICH, MO 64788** **Site 89 of 92 in cluster B**	**MO LUST** **MO UST**	**U003239278** **N/A**

Relative: **Lower**

Actual: **837 ft.**

LUST:

Facility ID:	ST0019581
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	04/01/1996
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	02/20/1996
Date Cleanup Finished:	04/22/1996
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No	
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**1997-11-21 00:00:00**
Date Record Meets Archive Criteria:	05/10/2011
Remediation ID:	R005843
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	3
Contractor Performing Clean Up:	62
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	11/19/1997
Date Record Edited:	05/17/2007
Person Adding Or Editing Record:	DOGGETT, T
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	11/4/97 RJW - LU info is in the ST file. Closure approved. In place closure.

UST:

Facility ID:	ST0019581
Region:	KC
Easting:	412544.989
Northing:	4262488.11
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S

WHITEMAN AFB LIMA-8 (Continued) **U003239278**

Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925
Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	01/01/1963
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	04/01/1996
Date Tank Permanently Closed/ Removed:	09/01/1996
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	03/08/2001
Person Adding/Editing Record:	WILDER, B
Date Of NFA Letter:	11/21/1997
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	04/11/1997
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	CET ENVIRONMENTAL SERVICES
Date Closure Report Received:	1997-04-11 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

WHITEMAN AFB LIMA-8 (Continued) **U003239278**

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36228
Tank PK:	36230
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1996-04-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019581
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B93
North
1/4-1/2
0.481 mi.
2540 ft.

WHITEMAN AFB MIKE-7
T-45N, R.28W, SECTION 27
MEDFORD, MO 64040

MO LUST **U003239289**
MO UST **N/A**

Site 90 of 92 in cluster B

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019592
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/27/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/27/1994

WHITEMAN AFB MIKE-7 (Continued) **U003239289**

Date Cleanup Finished: 06/08/1994
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: Not reported
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004734
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 01/21/1998
Person Adding Or Editing Record: N$PEARJ
Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 12-12-94 - DB - SITE CLOSED.

UST:
Facility ID: ST0019592
Region: KC
Easting: 412717.320
Northing: 4280310.61
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: Removed

WHITEMAN AFB MIKE-7 (Continued) **U003239289**

Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	08/19/2008
Person Adding/Editing Record:	LIGHT, K
Date Of NFA Letter:	09/19/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-05-18 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Closure was discussed during a meeting held on June 15, 1994. It was determined that the M-sites would be given No Further Action status, and further paper work was to sent in as well as the NFA status. Paper work was sent. KML

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36239
Tank PK:	36241
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0

WHITEMAN AFB MIKE-7 (Continued) **U003239289**

Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019592
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

B94 **WHITEMAN AFB MIKE-9** **MO LUST** **U003239291**
North **T.45N, R.28W, SECTION 5** **MO UST** **N/A**
1/4-1/2 **KINGSVILLE, MO 64061**
0.481 mi.
2540 ft. **Site 91 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:
Facility ID: ST0019594
Region: KC - Kansas City Regional Office
Lat/Long (dms): Not reported
Spill Number: Not reported
Release Date: 01/27/1994
Release Type: UNDERGROUND STORAGE TANK
Date Cleanup Started: 01/27/1994
Date Cleanup Finished: 07/05/1994
Expedited: No
Expedited Date: Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009No
Reopened Date: Not reported
Number Of Remediation Monitoring Wells: 0
Active: No
Date Of NFA Letter From DNR: 1994-12-13 00:00:00
Date Record Meets Archive Criteria: Not reported
Remediation ID: R004787
Rank: Not reported
Emergeny Response Date: Not reported
Emergency Cleanup Start: Not reported
Referred To DGLS for Investigation: Not reported
Contractor Performing Clean Up: Not reported
RBCA NFA: No
Project Manager: L
Next Correspondence/Update With Fac: Not reported
Date Added: 06/30/1995
Date Record Edited: 05/31/2007
Person Adding Or Editing Record: DOGGETT, T

WHITEMAN AFB MIKE-9 (Continued) **U003239291**

Facility Sent To State Archive: Yes
Date Remediation Unit Closed The File: Not reported
Site Affectd By Funding Level From PSTIF: No
General Comments: 12-12-94 - DB - SITE CLOSED.

UST:
Facility ID: ST0019594
Region: KC
Easting: 409068.229
Northing: 4288062.96
Owner Of Geospatial Data: Hazardous Waste Program
Geospatial Data Collected By: VANCE, S
Date GIS Data Collected: 06/30/2010
Lat/Long: Not reported
Lat/Long (dms): Not reported

Tanks:

Owner:
Owner ID: OW10414
Owner Name: WHITEMAN AFB
Owner Address: 509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip: WHITEMAN AFB, MO 65305
Owner County Code: 101
Owner Phone: 6872925
Mail Was Not Deliverable: No
Is Owner Active?: Yes
Date Registration Received: Not reported
Date Record Added: 1995-06-30 00:00:00
Date Record Edited: 2012-04-23 00:00:00
Name of Person Editing Record: KIRCHNER, M

Tank ID: 1
Tank Double Wall: 0
Tank Type: Below Ground
Tank Status: **Removed**
Meet 98 Update Requirements: Not reported
Date Tank Installed: Not reported
Tank Material: Steel
Code for Tank Material Manufacturer: Not reported
Code for Tank Installer: Not reported
Other Type Of Tank Material: Not reported
Tank Internal Protection: Not reported
Other Tank Internal Protection: Not reported
Tank Internal Protection Date: Not reported
Tank External Protection: Not reported
Other Type Tank Extrn Protec: Not reported
Tank External Protec Date: Not reported
Date Tank Last Used: 09/01/1992
Date Tank Permanently Closed/ Removed: Not reported
Dt Tk Exp Brought InUse/Internal Tracking: Not reported
Tank Fees Waived: No
Expedite Closure On Tank?: No
Responsible Person Expediting Closure: Not reported
Temporary Status Verified Date: Not reported
Admin Fee 585: Not reported
Date Administratively Closed: Not reported

WHITEMAN AFB MIKE-9 (Continued) **U003239291**

Date Record Added:	11/03/1997
Date Record Edited:	05/31/2007
Person Adding/Editing Record:	DOGGETT, T
Date Of NFA Letter:	12/13/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-05-18 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	Not reported

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36241
Tank PK:	36243
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500
Substance:	Diesel
Substance Other:	Not reported
Hazardous Substance:	Not reported
Mixture:	False
Date of Last Use:	1992-09-01 00:00:00
Pipe Installation Date:	Not reported
Pipe System:	Not reported
Pipe Material:	Not reported
Pipe Material Other:	Not reported
Pipe Protection:	Not reported
Pipe Protection Date:	Not reported
Pipe Double Wall:	0
Spill Protection:	False

Tank Aug 2011:

Facility Id:	ST0019594
Tank Id:	1
Site Usage:	Not reported
Risk Type:	Not reported
Soil Type:	Not reported
GW Flow:	Not reported
Offsite Impact:	Not reported
Free Product:	Not reported
Drinking Water:	Not reported
Closed Under:	Not reported
No Drinking Wells:	No
No Buildings:	No
Vapor Barrier:	0
St Louis Mo:	No
Special Well Area:	No
Surface Cap:	No
No Excavation:	No

B95 | **WHITEMAN AFB MIKE-8** | **MO LUST** | **U003239290**
North | **T.45N, R.29W, SECTION 23** | **MO UST** | **N/A**
1/4-1/2 | **KINGSVILLE, MO 64061**
0.481 mi.
2540 ft. | **Site 92 of 92 in cluster B**

Relative:
Lower

Actual:
837 ft.

LUST:

Facility ID:	ST0019593
Region:	KC - Kansas City Regional Office
Lat/Long (dms):	Not reported
Spill Number:	Not reported
Release Date:	01/27/1994
Release Type:	UNDERGROUND STORAGE TANK
Date Cleanup Started:	01/27/1994
Date Cleanup Finished:	06/08/1994
Expedited:	No
Expedited Date:	Not reported
Expenditures From The American Recovery and Reinvestment Act of 2009	No
Reopened Date:	Not reported
Number Of Remediation Monitoring Wells:	0
Active:	No
Date Of NFA Letter From DNR:	**Not reported**
Date Record Meets Archive Criteria:	Not reported
Remediation ID:	R004739
Rank:	Not reported
Emergeny Response Date:	Not reported
Emergency Cleanup Start:	Not reported
Referred To DGLS for Investigation:	Not reported
Contractor Performing Clean Up:	Not reported
RBCA NFA:	No
Project Manager:	L
Next Correspondence/Update With Fac:	Not reported
Date Added:	06/30/1995
Date Record Edited:	11/05/1997
Person Adding Or Editing Record:	N$WEIDR
Facility Sent To State Archive:	Yes
Date Remediation Unit Closed The File:	Not reported
Site Affectd By Funding Level From PSTIF:	No
General Comments:	12-12-94 - DB - SITE CLOSED.

UST:

Facility ID:	ST0019593
Region:	KC
Easting:	403777.799
Northing:	4282583.41
Owner Of Geospatial Data:	Hazardous Waste Program
Geospatial Data Collected By:	VANCE, S
Date GIS Data Collected:	06/30/2010
Lat/Long:	Not reported
Lat/Long (dms):	Not reported

Tanks:

Owner:

Owner ID:	OW10414
Owner Name:	WHITEMAN AFB
Owner Address:	509 CES/CEAN 660 10TH ST STE 211
Owner City,St,Zip:	WHITEMAN AFB, MO 65305
Owner County Code:	101
Owner Phone:	6872925

WHITEMAN AFB MIKE-8 (Continued) **U003239290**

Mail Was Not Deliverable:	No
Is Owner Active?:	Yes
Date Registration Received:	Not reported
Date Record Added:	1995-06-30 00:00:00
Date Record Edited:	2012-04-23 00:00:00
Name of Person Editing Record:	KIRCHNER, M

Tank ID:	1
Tank Double Wall:	0
Tank Type:	Below Ground
Tank Status:	**Removed**
Meet 98 Update Requirements:	Not reported
Date Tank Installed:	Not reported
Tank Material:	Steel
Code for Tank Material Manufacturer:	Not reported
Code for Tank Installer:	Not reported
Other Type Of Tank Material:	Not reported
Tank Internal Protection:	Not reported
Other Tank Internal Protection:	Not reported
Tank Internal Protection Date:	Not reported
Tank External Protection:	Not reported
Other Type Tank Extrn Protec:	Not reported
Tank External Protec Date:	Not reported
Date Tank Last Used:	09/01/1992
Date Tank Permanently Closed/ Removed:	Not reported
Dt Tk Exp Brought InUse/Internal Tracking:	Not reported
Tank Fees Waived:	No
Expedite Closure On Tank?:	No
Responsible Person Expediting Closure:	Not reported
Temporary Status Verified Date:	Not reported
Admin Fee 585:	Not reported
Date Administratively Closed:	Not reported
Date Record Added:	11/03/1997
Date Record Edited:	08/19/2008
Person Adding/Editing Record:	LEROY, JAMES
Date Of NFA Letter:	09/19/1994
Is Tank Used For Emergency Generator:	No
Date Closure Notice Received:	05/18/1994
Date Of Aprroval Letter:	Not reported
Firm Closing Tank:	HDB CONSTRUCTION
Date Closure Report Received:	1994-05-18 00:00:00
Registration End Date:	Not reported
LockOut Flag:	No
Comments:	08/19/2008-Per meeting on June 15,1994, at Whiteman AFB with representatives from MODNR, U.S. Army Corps of Engineers and U.S. Air Force to clarify information, HDB Construction completed closure report.JL

Tank Compartment:

Tanks Use:	False
Compartment No:	1
Tank Compartment PK:	36240
Tank PK:	36242
Case Number:	Not reported
Compartment Status:	Removed
Compartment Temp Verified Dt:	Not reported
Capacity:	14500

WHITEMAN AFB MIKE-8 (Continued) **U003239290**

Substance: Diesel
Substance Other: Not reported
Hazardous Substance: Not reported
Mixture: False
Date of Last Use: 1992-09-01 00:00:00
Pipe Installation Date: Not reported
Pipe System: Not reported
Pipe Material: Not reported
Pipe Material Other: Not reported
Pipe Protection: Not reported
Pipe Protection Date: Not reported
Pipe Double Wall: 0
Spill Protection: False

Tank Aug 2011:
Facility Id: ST0019593
Tank Id: 1
Site Usage: Not reported
Risk Type: Not reported
Soil Type: Not reported
GW Flow: Not reported
Offsite Impact: Not reported
Free Product: Not reported
Drinking Water: Not reported
Closed Under: Not reported
No Drinking Wells: No
No Buildings: No
Vapor Barrier: 0
St Louis Mo: No
Special Well Area: No
Surface Cap: No
No Excavation: No

C96 **SMALL ARMS RANGE** **UXO** **1024716177**
North **N/A**
1/2-1 **KNOB KNOSTER, MO**
0.604 mi.
3187 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
836 ft.

UXO:
DoD Component: Air Force
Installation Name: WHITEMAN AIR FORCE BASE
Facility Address 2: Not reported
Site ID: FR571
Site Type: Firing Range
Latitude: 38.728996000000002
Longitude: -93.560552000000001

C97 **North** **1/2-1** **0.604 mi.** **3187 ft.**

.50 CALIBER FIRING RANGE
KNOB KNOSTER, MO
Site 2 of 2 in cluster C

UXO **1024716176** **N/A**

Relative: **Lower**
Actual: **836 ft.**

UXO:

DoD Component:	Air Force
Installation Name:	WHITEMAN AIR FORCE BASE
Facility Address 2:	Not reported
Site ID:	FR570
Site Type:	Firing Range
Latitude:	38.728996000000002
Longitude:	-93.560552000000001

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98 **SSE** **1/2-1** **0.616 mi.** **3253 ft.**

WHITEMAN ILS MM ANX
KNOB NOSTER, MO

FUDS **1024898654** **N/A**

Relative: **Higher**
Actual: **852 ft.**

FUDS:

EPA Region:	7
Installation ID:	MO79799F040400
Congressional District Number:	4
Facility Name:	WHITEMAN ILS MM ANX
FUDS Number:	B07MO0949
City:	KNOB NOSTER
State:	MO
County:	JOHNSON COUNTY
Telephone:	816-389-3072
USACE Division:	Northwestern Division (NWD)
USACE District:	Kansas City District (NWK)
Status:	Properties without projects
Current Owner:	Private Sector
X Coord:	-10414433.1164703
Y Coord:	4679542.6395381596
Latitude:	38.705277780000003
Longitude:	-93.554444439999997

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/03/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA’s Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/27/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/22/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 41

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/10/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 36

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

HWS DETAIL: Registry Annual Report
Each site is described in detail in this annual report and includeds the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 75

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 05/31/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Annually

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 573-751-1990
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility List
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 05/13/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/07/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 05/13/2019
Number of Days to Update: 61

Source: Department of Natural Resources
Telephone: 573-751-0135
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tanks.

Date of Government Version: 03/07/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 05/13/2019
Number of Days to Update: 61

Source: Department of Natural Resources
Telephone: 573-751-6822
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-7439
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/10/2019
Number of Days to Update: 136	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Varies

UST: Petroleum Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/07/2019	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/13/2019	Telephone: 573-751-0135
Date Made Active in Reports: 05/13/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 61	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 11/30/2018	Source: Department of Agriculture
Date Data Arrived at EDR: 12/04/2018	Telephone: 573-751-7062
Date Made Active in Reports: 01/16/2019	Last EDR Contact: 06/03/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-7591
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 04/26/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 03/08/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 54

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 50

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/12/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/03/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 65

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/20/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Sites Participating in the Voluntary Cleanup Program

Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 65

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact   especially in heavily industrial areas   is substantial.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/18/2019
Number of Days to Update: 65

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/04/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005
Date Data Arrived at EDR: 07/19/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 01/12/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 10/30/2018
Date Data Arrived at EDR: 11/01/2018
Date Made Active in Reports: 11/20/2018
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: 573-526-3944
Last EDR Contact: 05/28/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/23/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/24/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 50

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: No Update Planned

CDL: Environmental Emergency Response System
Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 03/08/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 05/13/2019
Number of Days to Update: 61

Source: Department of Natural Resources
Telephone: 573-751-3443
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

DEL SHWS: Registry Sites Withdrawn or Deleted
A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 34

Source: Department of Natural Resources
Telephone: 573-522-3710
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/24/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 04/17/2019
Number of Days to Update: 50

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/02/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 49

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Quarterly

SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 03/08/2019
Date Data Arrived at EDR: 03/13/2019
Date Made Active in Reports: 05/13/2019
Number of Days to Update: 61

Source: Department of Natural Resources
Telephone: 573-526-3349
Last EDR Contact: 06/12/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: 913-551-7003
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 03/07/2019	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 04/03/2019	Telephone: 202-528-4285
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 05/21/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 09/02/2019
	Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/10/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/13/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/26/2019
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2019	Telephone: 202-566-1917
Date Made Active in Reports: 05/07/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/06/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/10/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/18/2019
Next Scheduled EDR Contact: 09/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/24/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/22/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/12/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/03/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 04/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/05/2019
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/07/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/26/2019
Next Scheduled EDR Contact: 08/05/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 04/02/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/07/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/10/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/02/2019
Next Scheduled EDR Contact: 08/19/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 04/18/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/27/2018	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 02/27/2019	Telephone: 303-231-5959
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 05/29/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 05/31/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 05/31/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/27/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 34

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 10

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 06/05/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/07/2019
Date Data Arrived at EDR: 04/09/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/09/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/21/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Quarterly

AIRS: Permit Facility Listing
A listing of Air Pollution Control Program permits.

Date of Government Version: 11/21/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/17/2019
Number of Days to Update: 37

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 06/14/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing
The department requires notification of demolitions and abatement projects involving regulated structures at least 10 working days before crews begin a project.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/15/2019
Number of Days to Update: 35

Source: Department of Natural Resources
Telephone: 573-751-4817
Last EDR Contact: 07/09/2019
Next Scheduled EDR Contact: 10/21/2019
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of power plants with coal ash ponds.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 573-526-1825
Last EDR Contact: 06/26/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaners in Missouri Listing
A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/13/2017
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 36

Source: Department of Natural Resources
Telephone: 573-526-8913
Last EDR Contact: 06/14/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information.

Date of Government Version: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 61

Source: Department of Natural Resources
Telephone: 573-751-3553
Last EDR Contact: 06/03/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing
Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 12/07/2018
Date Made Active in Reports: 01/02/2019
Number of Days to Update: 26

Source: Department of Natural Resources
Telephone: 573-751-5401
Last EDR Contact: 06/05/2019
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/15/2019
Number of Days to Update: 28

Source: Department of Natural Resources
Telephone: 573-751-4041
Last EDR Contact: 04/17/2019
Next Scheduled EDR Contact: 07/29/2019
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 04/01/2019
Date Data Arrived at EDR: 04/03/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 41

Source: Department of Natural Resources
Telephone: 573-751-7023
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/14/2019
Data Release Frequency: Quarterly

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 03/12/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 77

Source: Department of Natural Resources
Telephone: 573-751-3176
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

Date of Government Version: 04/02/2019
Date Data Arrived at EDR: 04/30/2019
Date Made Active in Reports: 06/25/2019
Number of Days to Update: 56

Source: Department of Natural Resources
Telephone: 573-751-3043
Last EDR Contact: 04/30/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 03/14/2019
Number of Days to Update: 21

Source: Department of Natural Resources
Telephone: 573-368-2183
Last EDR Contact: 05/24/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/14/2019
Next Scheduled EDR Contact: 08/26/2019
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/01/2019
Next Scheduled EDR Contact: 08/12/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2019
Next Scheduled EDR Contact: 10/28/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/17/2019
Next Scheduled EDR Contact: 09/02/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/10/2019
Next Scheduled EDR Contact: 09/23/2019
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association’s annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics’ primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics’ primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities
Source: Department of Health & Senior Services
Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri
Source: Department of Natural Resources
Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WHITEMAN FLIGHT FACILITY
1150 ARNOLD AVE
WHITEMAN AIR FORCE B, MO 65305

TARGET PROPERTY COORDINATES

Latitude (North):	38.716935 - 38˚ 43’ 0.97’’
Longitude (West):	93.563118 - 93˚ 33’ 47.22’’
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	451043.5
UTM Y (Meters):	4285308.5
Elevation:	848 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6727022 BURTVILLE, MO
Version Date:	2015

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

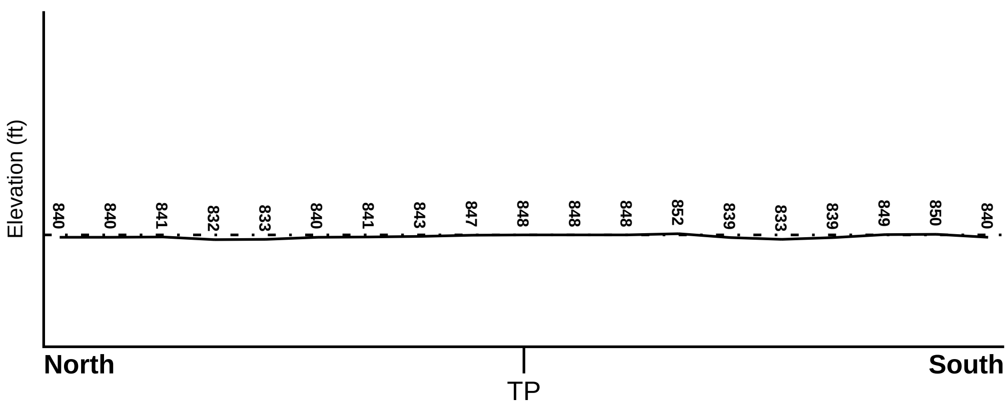
TOPOGRAPHIC INFORMATION

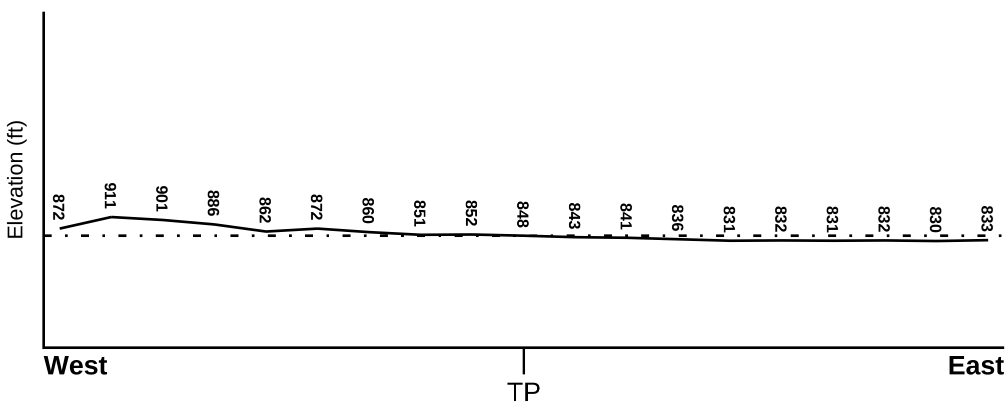
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

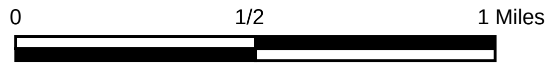
General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 848 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
29101C0450E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BURTVILLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

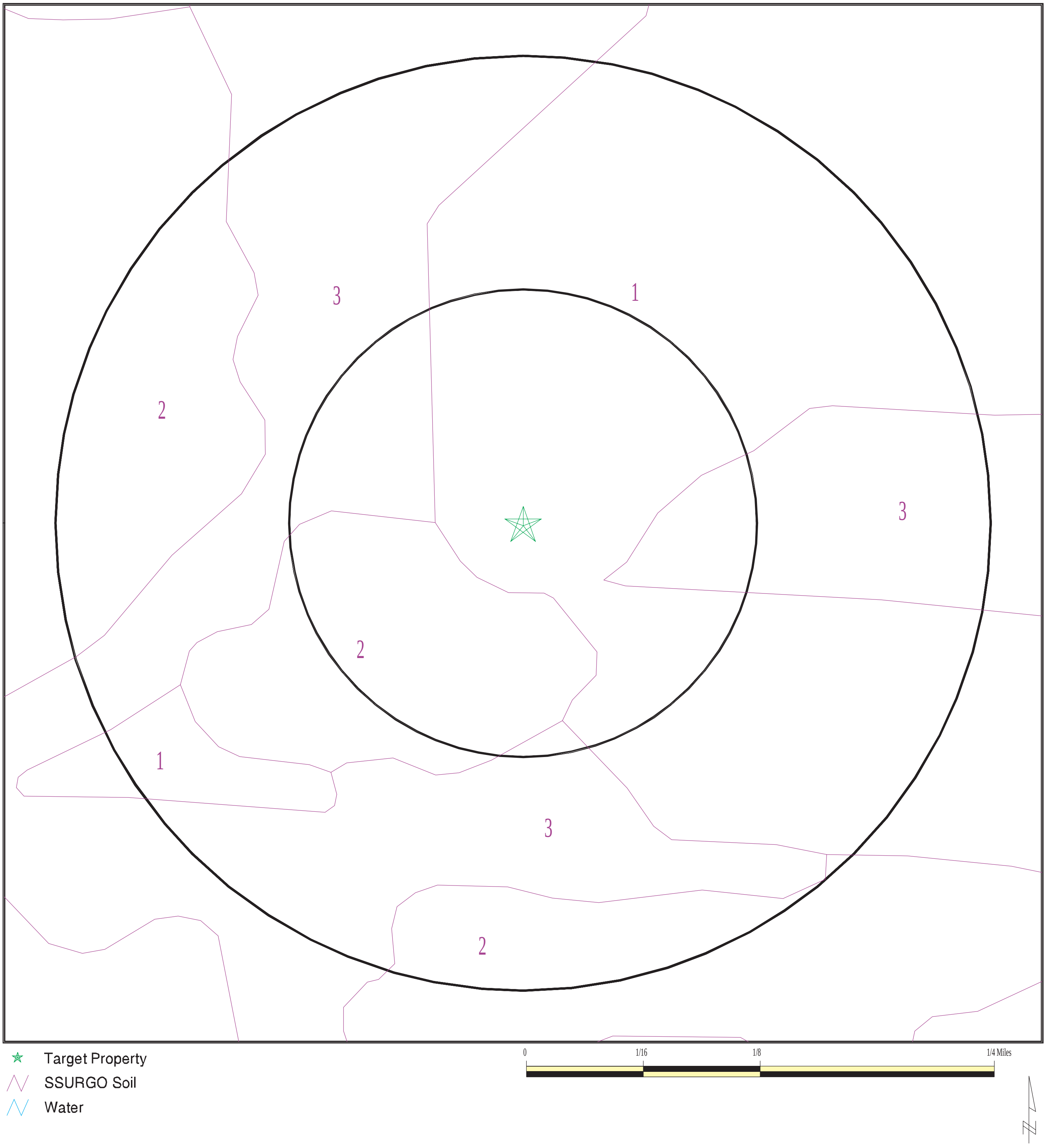
Era:	Paleozoic
System:	Pennsylvanian
Series:	Des Moinesian Series
Code:	PP2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5722495.2s



SITE NAME: Whiteman Flight Facility ADDRESS: 1150 Arnold Ave Whiteman Air Force B MO 65305 LAT/LONG: 38.716935 / 93.563118	CLIENT: AECOM CONTACT: Savannah Irving INQUIRY #: 5722495.2s DATE: July 19, 2019 4:25 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture’s (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Haplaquents

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Sampsel

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6
2	11 inches	75 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.411 Min: 0.4233	Max: 7.8 Min: 5.6

Soil Map ID: 3

Soil Component Name: Haig

Soil Surface Texture: silt loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.233 Min: 1.411	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	7 inches	12 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.233 Min: 1.411	Max: 7.3 Min: 6.1
3	12 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.233 Min: 1.411	Max: 7.3 Min: 6.1
4	38 inches	64 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4.233 Min: 1.411	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	USGS40000695737	1/4 - 1/2 Mile WNW
B7	USGS40000695806	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MO1079501	0 - 1/8 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

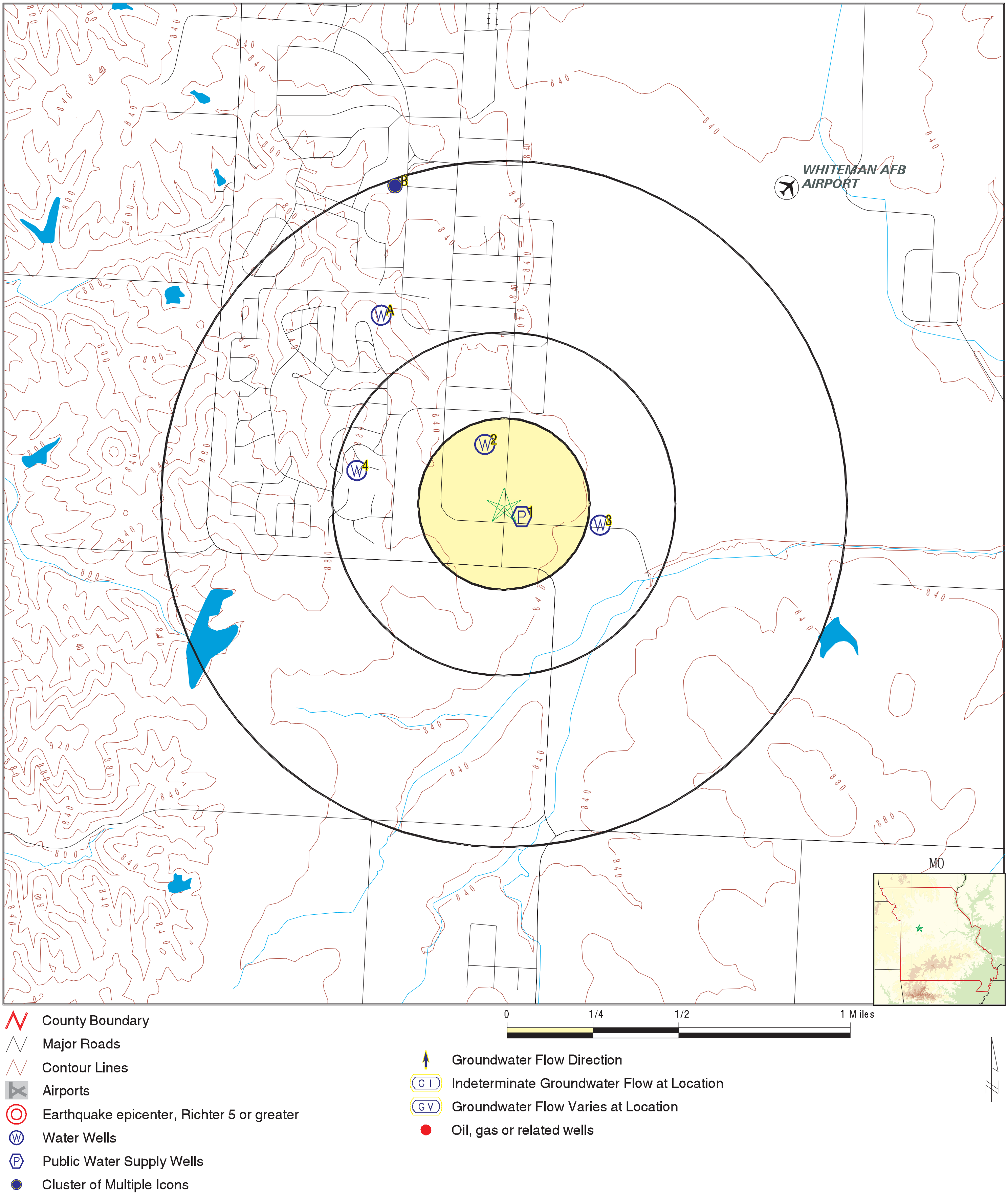
MAP ID	WELL ID	LOCATION FROM TP

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	MO7000000001894	1/8 - 1/4 Mile NNW
3	MO7000000001953	1/4 - 1/2 Mile ESE
A5	MO7000000001893	1/2 - 1 Mile NNW
A6	MOLOG1000018978	1/2 - 1 Mile NW
B8	MO7000000002968	1/2 - 1 Mile NNW
B9	MOLOG1000019036	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 5722495.2s



SITE NAME: Whiteman Flight Facility	CLIENT: AECOM
ADDRESS: 1150 Arnold Ave	CONTACT: Savannah Irving
Whiteman Air Force B MO 65305	INQUIRY #: 5722495.2s
LAT/LONG: 38.716935 / 93.563118	DATE: July 19, 2019 4:25 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SE** **0 - 1/8 Mile** **Lower**	**FRDS PWS**	**MO1079501**

Epa region:	07	State:	MO
Pwsid:	MO1079501	Pwsname:	WHITEMAN AIR BASE
Cityserved:	Not Reported	Stateserved:	MO
Zipserved:	Not Reported	Fipscounty:	29101
Status:	Active	Retpopsrvd:	7200
Pwssvcconn:	1092	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Fed_Govt
Contact:	GOLSON, GLENN	Contactorgname:	GOLSON, GLENN
Contactphone:	660-687-6347	Contactaddress1:	509 CES/CEV
Contactaddress2:	660 TENTH ST STE 211	Contactcity:	WHITEMAN AFB
Contactstate:	MO	Contactzip:	65305-5074
Pwsactivitycode:	A		

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	not reported
Factypecode:	TP		

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	iron removal	Trtprocess:	not reported
Factypecode:	TP		

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	softening (hardness removal)		
Trtprocess:	coagulation	Factypecode:	TP

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	softening (hardness removal)		
Trtprocess:	lime - soda ash addition	Factypecode:	TP

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	softening (hardness removal)		
Trtprocess:	rapid mix	Factypecode:	TP

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	softening (hardness removal)		
Trtprocess:	flocculation	Factypecode:	TP

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, pre
Factypecode:	TP		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	softening (hardness removal)		
Trtprocess:	filtration, rapid sand	Factypecode:	TP

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	ph adjustment, post
Factypecode:	TP		

Pwsid:	MO1079501	Facid:	67009
Facname:	WHITEMAN AIR BA - TREATMENT PLANT		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	corrosion control	Trtprocess:	inhibitor, hexametaphosphate
Factypecode:	TP		

PWS ID:	MO1079501	PWS name:	WHITEMAN AIR BASE
Address:	800 STRAT/SGPB	Care of:	Not Reported
City:	WHITEMAN AFB	State:	MO
Zip:	65305	Owner:	WHITEMAN AIR BASE
Source code:	Ground water	Population:	4000

PWS ID:	MO1079501	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	WHITEMAN AIR BASE
PWS type code:	C	Retail population served:	4600
Contact:	NUGENT, KENDALL W	Contact address:	509 CES/CEV
Contact address:	660 TENTH ST STE 211	Contact city:	WHITEMAN AFB
Contact state:	MO	Contact zip:	65305-5074
Contact telephone:	660-687-6347		

County:	JOHNSON	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, POST
Population:	4000		

County:	JOHNSON	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	GASEOUS CHLORINATION, PRE
Population:	4000		

County:	JOHNSON	Source:	Ground water
Treatment Objective:	IRON REMOVAL	Process:	AERATION, SLAT TRAY
Population:	4000		

County:	JOHNSON	Source:	Ground water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		
Process:	COAGULATION	Population:	4000

County:	JOHNSON	Source:	Ground water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		
Process:	FILTRATION, RAPID SAND	Population:	4000

County:	JOHNSON	Source:	Ground water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		

Process:	FLOCCULATION	Population:	4000
County:	JOHNSON	Source:	Ground water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		
Process:	LIME - SODA ASH ADDITION	Population:	4000
County:	JOHNSON	Source:	Ground water
Treatment Objective:	SOFTENING (HARDNESS REMOVAL)		
Process:	RAPID MIX	Population:	4000

PWS ID:	MO1079501	Activity status:	Active
Date system activated:	6401	Date system deactivated:	Not Reported
Retail population:	00004000	System name:	WHITEMAN AIR BASE
System address:	Not Reported	System address:	800 STRAT/SGPB
System city:	WHITEMAN AFB	System state:	MO
System zip:	65305		
County FIPS:	Not Reported	City served:	WHITEMAN AFB
Population served:	3,301 - 5,000 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	384342	Longitude:	0933250
Latitude:	384350	Longitude:	0933426
Latitude:	384259	Longitude:	0933343
Latitude:	384311	Longitude:	0933405
Latitude:	384330	Longitude:	0933407
Latitude:	384328	Longitude:	0933411
Latitude:	384407	Longitude:	0933428
Latitude:	384413	Longitude:	0933407

State:	MO	Latitude degrees:	38
Latitude minutes:	42	Latitude seconds:	59.0000
Longitude degrees:	93	Longitude minutes:	33
Longitude seconds:	43.0000		
State:	MO	Latitude degrees:	38
Latitude minutes:	43	Latitude seconds:	11.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	5.0000		
State:	MO	Latitude degrees:	38
Latitude minutes:	43	Latitude seconds:	28.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	11.0000		
State:	MO	Latitude degrees:	38
Latitude minutes:	43	Latitude seconds:	30.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	7.0000		
State:	MO	Latitude degrees:	38
Latitude minutes:	43	Latitude seconds:	50.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	26.0000		

State:	MO	Latitude degrees:	38
Latitude minutes:	44	Latitude seconds:	7.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	28.0000		

State:	MO	Latitude degrees:	38
Latitude minutes:	44	Latitude seconds:	13.0000
Longitude degrees:	93	Longitude minutes:	34
Longitude seconds:	7.0000		

Violation id:	1402104	Orig code:	S
State:	MO	Violation Year:	2004
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2004
Cmp edt:	05/31/2004		

Violation id:	1402908	Orig code:	S
State:	MO	Violation Year:	2008
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	07/31/2008		

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	5/1/2004 0:00:00
Compliance End:	5/31/2004 0:00:00	Violation ID:	1402104
Enforcement Date:	8/6/2004 0:00:00	Enforcement Action:	SIF

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	5/1/2004 0:00:00
Compliance End:	5/31/2004 0:00:00	Violation ID:	1402104
Enforcement Date:	6/29/2004 0:00:00	Enforcement Action:	SIA

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	05/01/04
Compliance End:	05/31/04	Violation ID:	1402104
Enforcement Date:	08/06/04	Enforcement Action:	SIF

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	05/01/04
Compliance End:	05/31/04	Violation ID:	1402104
Enforcement Date:	06/29/04	Enforcement Action:	SIA

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	05/01/04
Compliance End:	05/31/04	Violation ID:	1402104
Enforcement Date:	06/29/04	Enforcement Action:	SIE

System Name:	WHITEMAN AIR BASE	Violation Type:	22
Contaminant:	3100	Compliance Begin:	5/1/2004 0:00:00
Compliance End:	5/31/2004 0:00:00	Violation ID:	1402104
Enforcement Date:	6/29/2004 0:00:00	Enforcement Action:	SIE

Violation ID:	1402104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	08/06/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	1402104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	06/29/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	1402104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	06/29/2004
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	1402104	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1402908	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	01/22/2014
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	1402908	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	09/08/2008
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	1402908	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	07/28/2008
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	1402908	Orig Code:	S
Enforcemnt FY:	2008	Enforcement Action:	07/28/2008
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402104
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2004 0:00:00	Compliance end date:	5/31/2004 0:00:00
Enforcement date:	6/29/2004 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402104
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2004 0:00:00	Compliance end date:	5/31/2004 0:00:00
Enforcement date:	6/29/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402104
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2004 0:00:00	Compliance end date:	5/31/2004 0:00:00
Enforcement date:	8/6/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402908
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/31/2008 0:00:00
Enforcement date:	7/28/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402908
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/31/2008 0:00:00
Enforcement date:	7/28/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	WHITEMAN AIR BASE	Population served:	4600
PWS type code:	C	Violation ID:	1402908
Contaminant:	COLIFORM (TCR)		
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/31/2008 0:00:00
Enforcement date:	9/8/2008 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

2
NNW
1/8 - 1/4 Mile
Lower

MO WELLS MO7000000001894

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	100209	LOGMAIN ID:	Not Reported
Well Certification #:	Not Reported	PWSS Name:	Whiteman Air Base
PWSS ID:	1079501	IPWS ID:	MO1079501
Well #:	8	Local Name:	Well #8
Well ID:	10170	Facility Type:	Federal Facility
Federal Water System Type:	Community	Status:	Active
Drill Date:	1988	Abandoned:	0
Plugged:	0	Material Type:	Consolidated
Formation at Casing Depth:	Jefferson City	Formation at Total Depth:	Eminence
Total Depth:	1100	Ground Elevation:	0
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	502	Casing Diameter:	0
Casing Type:	Not Reported	Casing Elevation:	0
Casing Height:	0	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	290
Max Yield (gal/min):	340	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Depth:	0	Pump Capacity:	253
Has Pump Meter:	Not Reported	Has Stand-by Power:	Not Reported
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	Y	Filtration Used:	Y
GWUDISW:	Not Reported	Meets Construction Requirements:	Not Reported
Surface Drainage:	Not Reported	Water System Entry Point ID:	N
SWIP Wellhead Status:	Not Verified		

3
ESE
1/4 - 1/2 Mile
Lower

MO WELLS MO7000000001953

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	100210	LOGMAIN ID:	Not Reported
Well Certification #:	Not Reported	PWSS Name:	Whiteman Air Base
PWSS ID:	1079501	IPWS ID:	MO1079501
Well #:	9	Local Name:	Well #9

Well ID:	10171	Facility Type:	Federal Facility
Federal Water System Type:	Community	Status:	Active
Drill Date:	1988	Abandoned:	0
Plugged:	0	Material Type:	Consolidated
Formation at Casing Depth:	Jefferson City	Formation at Total Depth:	Eminence
Total Depth:	1100	Ground Elevation:	0
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	494	Casing Diameter:	0
Casing Type:	Not Reported	Casing Elevation:	0
Casing Height:	0	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	150
Max Yield (gal/min):	530	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Depth:	0	Pump Capacity:	413
Has Pump Meter:	Not Reported	Has Stand-by Power:	Not Reported
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	Y	Filtration Used:	Y
GWUDISW:	Not Reported	Meets Construction Requirements:	Not Reported
Surface Drainage:	Not Reported	Water System Entry Point ID:	N
SWIP Wellhead Status:	Not Verified		

4
WNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000695737**

Organization ID:	USGS-MO	Organization Name:	USGS Missouri Water Science Center
Monitor Location:	T45N R24W 04BAA1	Type:	Well
Description:	Not Reported	HUC:	10300104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Ozark Plateaus aquifer system		
Formation Type:	Gunter Sandstone Member of Gasconade Dolomite		
Aquifer Type:	Confined multiple aquifer	Construction Date:	19611100
Well Depth:	1052	Well Depth Units:	ft
Well Hole Depth:	1052	Well Hole Depth Units:	ft

A5
NNW
1/2 - 1 Mile
Lower

MO WELLS **MO7000000001893**

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	100208	LOGMAIN ID:	Not Reported
Well Certification #:	Not Reported	PWSS Name:	Whiteman Air Base
PWSS ID:	1079501	IPWS ID:	MO1079501
Well #:	6	Local Name:	Well #6
Well ID:	10169	Facility Type:	Federal Facility
Federal Water System Type:	Community	Status:	Active
Drill Date:	1961	Abandoned:	0
Plugged:	0	Material Type:	Consolidated
Formation at Casing Depth:	Jefferson City	Formation at Total Depth:	Eminence
Total Depth:	1052	Ground Elevation:	0
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	498	Casing Diameter:	0
Casing Type:	Not Reported	Casing Elevation:	0

Casing Height:	0	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	385
Max Yield (gal/min):	200	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Depth:	0	Pump Capacity:	215
Has Pump Meter:	Not Reported	Has Stand-by Power:	Not Reported
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	Y	Filtration Used:	Y
GWUDISW:	Not Reported	Meets Construction Requirements:	Not Reported
Surface Drainage:	Not Reported	Water System Entry Point ID:	N
SWIP Wellhead Status:	Not Verified		

A6
NW
1/2 - 1 Mile
Lower

MO WELLS **MOLOG1000018978**

Database:	Geologic Well Log Database	ID:	020413
Elevation:	828	Static Water Level:	0

B7
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000695806**

Organization ID:	USGS-MO	Organization Name:	USGS Missouri Water Science Center
Monitor Location:	T46N R24W 33CAD1	Type:	Well
Description:	Not Reported	HUC:	10300104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Ozark Plateaus aquifer system		
Formation Type:	Gunter Sandstone Member of Gasconade Dolomite		
Aquifer Type:	Confined multiple aquifer	Construction Date:	19420626
Well Depth:	1171	Well Depth Units:	ft
Well Hole Depth:	1171	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1942-06-26
Feet below surface:	108	Feet to sea level:	Not Reported
Note:	Not Reported		

B8
NNW
1/2 - 1 Mile
Lower

MO WELLS **MO7000000002968**

Database:	Missouri Public Drinking Water Wells		
DGLS ID:	102079	LOGMAIN ID:	0020413
Well Certification #:	Not Reported	PWSS Name:	Whiteman Air Base
PWSS ID:	1079501	IPWS ID:	MO1079501
Well #:	3	Local Name:	Well #3
Well ID:	11786	Facility Type:	Federal Facility
Federal Water System Type:	Community	Status:	Active
Drill Date:	1942	Abandoned:	0
Plugged:	0	Material Type:	Consolidated

Formation at Casing Depth:	Jefferson City	Formation at Total Depth:	Eminence
Total Depth:	1037	Ground Elevation:	0
Top Seal Type:	Not Reported	Bottom Seal Type:	Not Reported
Casing Depth:	490	Casing Diameter:	0
Casing Type:	Not Reported	Casing Elevation:	0
Casing Height:	0	Outer Well Casing Depth:	0
Outer Casing Diameter:	0	Screen Length (ft):	-9999
Screen Size (in):	-9999	Depth to Static Water Level:	300
Max Yield (gal/min):	310	Dynamic Head of Pump:	0
Drawdown:	0	Year of Pump Test:	0
Pump Type:	Not Reported	Pump Manufacturer:	Not Reported
Pump Depth:	0	Pump Capacity:	249
Has Pump Meter:	Not Reported	Has Stand-by Power:	Not Reported
VOC detections:	N	Nitrates Detected:	N
Chlorination Used:	Y	Filtration Used:	Y
GWUDISW:	Not Reported	Meets Construction Requirements:	Not Reported
Surface Drainage:	Not Reported	Water System Entry Point ID:	N
SWIP Wellhead Status:	Not Verified		

B9
NNW
1/2 - 1 Mile
Lower

MO WELLS **MOLOG1000019036**

Database:	Geologic Well Log Database	ID:	007830
Elevation:	842	Static Water Level:	0

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RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for JOHNSON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for JOHNSON COUNTY, MO

Number of sites tested: 19

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.050 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.226 pCi/L	68%	32%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri
Source: Department of Natural Resources
Telephone: 573-751-5110

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Missouri Public Drinking Water Wells
Source: Department of Natural Resources
Telephone: 573-526-5448

Missouri Geologic Well Log Database
Source: Department of Natural Resources
Telephone: 573-526-5448

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Natural Resources
Telephone: 573-368-2143

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

Appendix B
Preliminary Assessment Documentation

Appendix B.1
Interview Records

PA Interview Questionnaire - Other

Facility: Whiteman AASF
Interviewer: [redacted]
Date/Time: 9 July 2019

Interviewee: [redacted] **Title: Facility Maintenance** **Phone Number:** [redacted] **Email:** [redacted]	Can your name/role be used in the PA Report? **Y** or N Can you recommend anyone we can interview? Y or **N** ___________________________
Roles or activities with the Facility/Years working at the Facility:	
[redacted] does facility maintenance at the AASF, and has been there 3 years.	
PFAS Use: Identify accidental/intentional release locations, time frame of release, frequency of releases, storage container size (maintenance, fire training, firefighting, buildings with suppression systems (as builts), fueling stations, crash sites, pest management, recreational, dining facilities, metals plating, or waterproofing). How are materials ordered/purchased/disposed/shared with others?	
[redacted] stated that all drains where the C2 High Expansion Foam is stored leads ultimately to the sanitary WWTP. He also recalls that in the cold storage hangar, the normal volume that leaked at a given moment was 2 gallons of foam, and the maximum spill volume as a result of leaking valves is 20-30 gallons of 2% C2 High Expansion Foam. They would let the foam dry and sweep up the concentrate or would let go down the drain.	**Known Uses** Use Procurement Disposition Storage (Mixed) Storage (Solution) Inventory, Off-Spec Containment SOP on Filling Leaking Vehicles Nozzle and Suppression System Testing Dining Facilities Vehicle Washing Ramp Washing Fuel Spill Washing and Fueling Stations Chrome Plating or Waterproofing

PA Interview Questionnaire - Other

Facility: Whiteman AASF
Interviewer: [redacted]g
Date/Time: 9 July 2019

<table>
<tr><td>Interviewee: [redacted]
Title: Building Manager
Phone Number: [redacted]
Email: [redacted]</td><td>Can your name/role be used in the PA Report? Y or N

Can you recommend anyone we can interview?

Y or N ___________________________</td></tr>
<tr><td colspan="2">Roles or activities with the Facility/Years working at the Facility:</td></tr>
<tr><td colspan="2">[redacted] has been at the AASF for 20+ years, and serves as the building manager for the facility.</td></tr>
<tr><td colspan="2">PFAS Use: Identify accidental/intentional release locations, time frame of release, frequency of releases, storage container size (maintenance, fire training, firefighting, buildings with suppression systems (as builts), fueling stations, crash sites, pest management, recreational, dining facilities, metals plating, or waterproofing). How are materials ordered/purchased/disposed/shared with others?</td></tr>
</table>

<table>
<tr><td rowspan="15">[redacted] stated that there was never any TriMax or AFFF fire extinguishers at the AASF. He recalls there being Halon and purple K extinguishers.</td><td>Known Uses</td></tr>
<tr><td>Use</td></tr>
<tr><td>Procurement</td></tr>
<tr><td>Disposition</td></tr>
<tr><td>Storage (Mixed)</td></tr>
<tr><td>Storage (Solution)</td></tr>
<tr><td>Inventory, Off-Spec</td></tr>
<tr><td>Containment</td></tr>
<tr><td>SOP on Filling</td></tr>
<tr><td>Leaking Vehicles</td></tr>
<tr><td>Nozzle and Suppression System Testing</td></tr>
<tr><td>Dining Facilities</td></tr>
<tr><td>Vehicle Washing</td></tr>
<tr><td>Ramp Washing</td></tr>
<tr><td>Fuel Spill Washing and Fueling Stations</td></tr>
<tr><td></td><td>Chrome Plating or Waterproofing</td></tr>
</table>

PA Interview Questionnaire - Other

Facility: Whiteman AASF
Interviewer: [redacted]
Date/Time: 9July 2019 0800

Interviewee: [redacted] **Title: Material Handler** **Phone Number:** [redacted] **Email:** [redacted]	Can your name/role be used in the PA Report? **Y** or N Can you recommend anyone we can interview? Y or **N** ___________________________

Roles or activities with the Facility/Years working at the Facility:

[redacted] is a material handler, and has been at the Whiteman AASF for 14 years.

PFAS Use: Identify accidental/intentional release locations, time frame of release, frequency of releases, storage container size (maintenance, fire training, firefighting, buildings with suppression systems (as builts), fueling stations, crash sites, pest management, recreational, dining facilities, metals plating, or waterproofing). How are materials ordered/purchased/disposed/shared with others?

[redacted] explained that there are two main hangars at the Whiteman AASF. The first is the main maintenance hangar, which was constructed 10-11 years ago. The MOARNG are the first occupants of the hangar, which contains an AFFF fire suppression system. There has been two foam releases that have all been indoor and contained, where the AFFF has been washed down the indoor drains, which lead to an oil/water separator and then to the sanitary WWTP. The first release was when the fire suppression system was installed, which was a full system release (approx. 500-gallons 2% C2 high expansion foam). The foam was washed down the trench drain of the hangar. The second release was in 2015, where there was a bladder rupture on the foam tank and 500 gallons were released in the fire suppression room. All of the foam was contained in the room and washed down the drain.

The second hangar is used for cold storage of aircrafts. The fire suppression system contains a 350-gallon tank with 2% C2 high expansion foam. [redacted] mentioned that the system has some leaking valves, but has never had a full release. The foam that leaks on the floor is allowed to dry and then is swept up.

[redacted] stated that there has never been any AFFF fire extinguishers at the AASF. They have mobile purple K units on the ramps, and ABC fire extinguishers in the hangars.

Whiteman AFB provides emergency services to the AASF.

Known Uses
Use
Procurement
Disposition
Storage (Mixed)
Storage (Solution)
Inventory, Off-Spec
Containment
SOP on Filling
Leaking Vehicles
Nozzle and Suppression System Testing
Dining Facilities
Vehicle Washing
Ramp Washing
Fuel Spill Washing and Fueling Stations
Chrome Plating or Waterproofing

Appendix B.2
Visual Site Inspection Checklists

Visual Site Inspection Checklist

Names(s) of people performing VSI: [redacted]

Recorded by: [redacted]

ARNG Contact: [redacted]

Date and Time: Jul 10, 2019 0800

Method of visit (walking, driving, adjacent): walking, driving

Source/Release Information

Site Name / Area Name / Unique ID: Whiteman AASF

Site / Area Acreage: 37.69 acres

Historic Site Use (Brief Description): The original 37.69 acre property was leased in 2011 and is valid for 25 years. The facility consists of a repair hangar, shops, and office area. Exterior features are vehicle parking areas, roads, aircraft parking and taxiways.

Current Site Use (Brief Description): The AASF supports the Missouri Army National Guard (MOARNG).

Physical barriers or access restrictions: Access to the area is restricted to the MOARNG.

1. Was PFAS used (or spilled) at the site/area? **Y / N**

   1a. If yes, document how PFAS was used and usage time (e.g., fire fighting training 2001 to 2014):
   Yes, two 500 gallon releases in the main hangar where the doors were closed and it went down the drains. One occurred in 2011 and another in 2015. There was a 20 gallon leak in the cold storage hangar once as well.

2. Has usage been documented? **Y / N**

   2a. If yes, keep a record (place electronic files on a disk):
   Yes, on paper

3. What types of businesses are located near the site? **Industrial / Commercial / Plating / Waterproofing / Residential**

   3a. Indicate what businesses are located near the site

4. Is this site located at an airport/flightline? **Y / N**

   4a. If yes, provide a description of the airport/flightline tenants:
   Yes

Visual Survey Inspection Log

Other Significant Site Features:

1. Does the facility have a fire suppression system? **<u>Y</u> / N**

1a. If yes, indicate which type of AFFF has been used:

2% C2 High Expansion foam

1b. If yes, describe maintenance schedule/leaks:

There was a leak in the cold storage where 20-30 gallons leaked out but it dried out and was swept down the drains

1c. If yes, how often is the AFFF replaced:

N/A

1d. If yes, does the facility have floor drains and where do they lead? Can we obtain an as built drawing?

The floor drains to trench drain, from there it goes into an oil/water seperator where it finishes at WWTP. The WWTP is maintained at Whiteman AFB.

Transport / Pathway Information

Migration Potential:

1. Does site/area drainage flow off installation? **<u>Y</u> / N**

1a. If so, note observation and location:

The northern side of the AASF surface flows north, and the southern and eastern side of the runway flows east, and the west side of the runway flows west.

2. Is there channelized flow within the site/area? **Y / <u>N</u>**

2a. If so, please note observation and location:

3. Are monitoring or drinking water wells located near the site? **<u>Y</u> / N**

3a. If so, please note the location:

There are 4 wells located within the facility boundary. Two are located on the northern side of the boundary, one next to the hangars and one located on the east side of the apron.

4. Are surface water intakes located near the site? **Y / <u>N</u>**

4a. If so, please note the location:

5. Can wind dispersion information be obtained? **Y / <u>N</u>**

5a. If so, please note and observe the location.

6. Does an adjacent non-ARNG PFAS source exist? **Y / <u>N</u>**

6a. If so, please note the source and location.

6b. Will off-site reconnaissance be conducted? **Y / <u>N</u>**

Visual Survey Inspection Log

<u>Significant Topographical Features:</u>

1. Has the infrastructure changed at the site/area? **Y / <u>N</u>**

1a. If so, please describe change (ex. Structures no longer exist):

2. Is the site/area vegetated? <u>Y</u> / **<u>N</u>**

2a. If not vegetated, briefly describe the site/area composition:

3. Does the site or area exhibit evidence of erosion? **Y / <u>N</u>**

3a. If yes, describe the location and extent of the erosion:

4. Does the site/area exhibit any areas of ponding or standing water? **Y / <u>N</u>**

4a. If yes, describe the location and extent of the ponding:

Receptor Information

1. Is access to the site restricted? **<u>Y</u> / N**

1a. If so, please note to what extent:

The facility has controlled access.

2. Who can access the site? **<u>Site Workers / Construction Workers / Trespassers</u> / Residential / Recreational Users / <u>Ecological</u>**

2a. Circle all that apply, note any not covered above:

3. Are residential areas located near the site? **<u>Y</u> / N**

3a. If so, please note the location/distance:

There is residential to the west (less than 2 miles).

4. Are any schools/day care centers located near the site? **<u>Y</u> / N**

4a. If so, please note the location/distance/type:

There are approximately 2 schools/day cares within a 2 mile radius of the AASF.

5. Are any wetlands located near the site? **Y / <u>N</u>**

5a. If so, please note the location/distance/type:

Visual Survey Inspection Log

Additional Notes

Photographic Log

Photo ID/Name	Date & Location	Photograph Description
1	7/10/19, Hangar fire suppression room	This is the 500-gallon tank containing 2% C2 High Expansion foam supplying to the hangar fire suppression system.
2	7/10/19, Hangar fire suppression room	The piping for the fire suppression system.
3	7/10/19, Hangar fire suppression room	The floor drains and trenches within the hangars dispense to the oil/water separator, then to the sanitary waste water treatment plant (WWTP).
4	7/10/19, Hangar fire suppression room	The 350-gallon tank containing 2% C2 High Expansion Foam in the cold storage hangar. The tank bladder is visibly leaking.
5	7/10/19, Hangar fire suppression room	A 55-gallon drum of bulk storage of 2% C2 High Expansion Foam concentrate.

Appendix B.3
Conceptual Site Model Information

Preliminary Assessment – Conceptual Site Model Information

Site Name: Whiteman Army Aviation Support Facility

Why has this location been identified as a site?
Facility is an aviation support site with aircraft hangars, high probability of release due to asset type and historical site usage.

Are there any other activities nearby that could also impact this location?
No

Training Events

Have any training events with AFFF occurred at this site? *No*

If so, how often? *N/A*

How much material was used? Is it documented*? N/A*

Identify Potential Pathways: Do we have enough information to fully understand over land surface water flow, groundwater flow, and geological formations on and around the facility? Any direct pathways to larger water bodies?

Surface Water:

Surface water flow direction? *East and south of the runway flows east while the west side of the runway flows west.*

Average rainfall? *42.1 inches*

Any flooding during rainy season? *No*

Direct or indirect pathway to ditches? *direct*

Direct or indirect pathway to larger bodies of water? *Indirect to the Blackwater River which leads to the Missouri River*

Does surface water pond any place on site? *No*

Any impoundment areas or retention ponds? *No*

Any NPDES location points near the site? *No*

How does surface water drain on and around the flight line? *The east and southern portion flows east, and the western portions flows west.*

Groundwater:

Groundwater flow direction? *Groundwater flows on the site to the northeast*

Depth to groundwater? *unknown*

Uses (agricultural, drinking water, irrigation)? *Not used.*

Any groundwater treatment systems? *No*

Any groundwater monitoring well locations near the site? *Several*

Preliminary Assessment – Conceptual Site Model Information

Is groundwater used for drinking water? *Drinking water is supplied by Whiteman AFB which obtains water from deep groundwater wells.*

Are there drinking water supply wells on installation? *Yes*

Do they serve off-post populations? *No*

Are there off-post drinking water wells downgradient? *No*

Waste Water Treatment Plant:

Has the installation ever had a WWTP, past or present? *The ARNG does not have a WWTP; however, there is a WWTP controlled by Whiteman AFB. PFAS investigations have been conducted at the WWTP. See Appendix A for associated reports.*

If so, do we understand the process and which water is/was treated at the plant? *N/A*

Do we understand the fate of sludge waste? *N/A*

Is surface water from potential contaminated sites treated? *N/A*

Equipment Rinse Water

1. Is firefighting equipment washed? Where does the rinse water go?
No

2. Are nozzles tested? How often are nozzles tested? Where are nozzles tested? Are nozzles cleaned after use? Where does the rinse water flow after cleaning nozzles?
No

3. Other?

Identify Potential Receptors:

Site Worker *Yes*

Construction Worker *Yes*

Recreational User *No*

Residential *No*

Child *No*

Ecological *No*

Note what is located near by the site (e.g. daycare, schools, hospitals, churches, agricultural, livestock)?
Whiteman AFB, Light industrial, airport, elementary school, church

Documentation

Ask for Engineering drawings (if applicable). Has there been a reconstruction or changes to the drainage system? When did that occur? *There is no known reconstruction to the AASF.*

Appendix C
Photographic Log

APPENDIX C – Photographic Log

Army National Guard, Preliminary Assessment for PFAS	Whiteman AASF	Missouri

Photograph No. 1

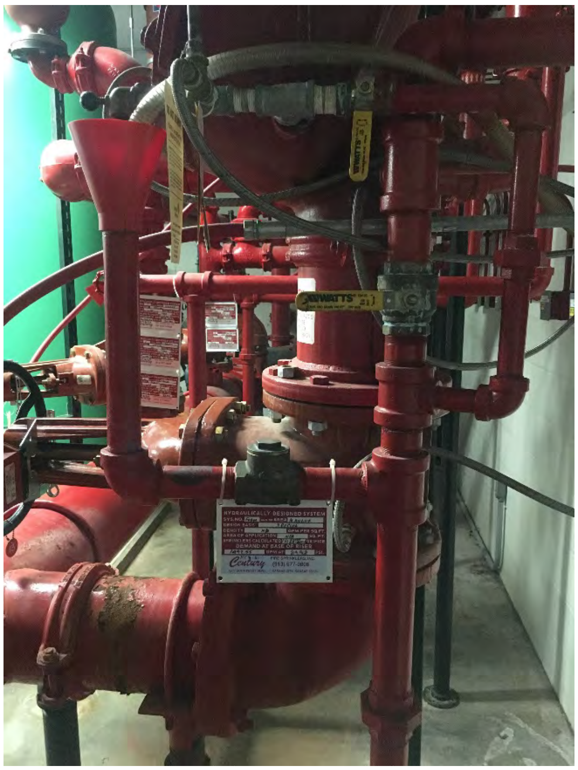
Description:

The 500-gallon tank containing 2% C2 High Expansion Foam that supplies foam to the main hangar fire suppression system.

Photograph No. 2

Description:

The piping for the fire suppression system.



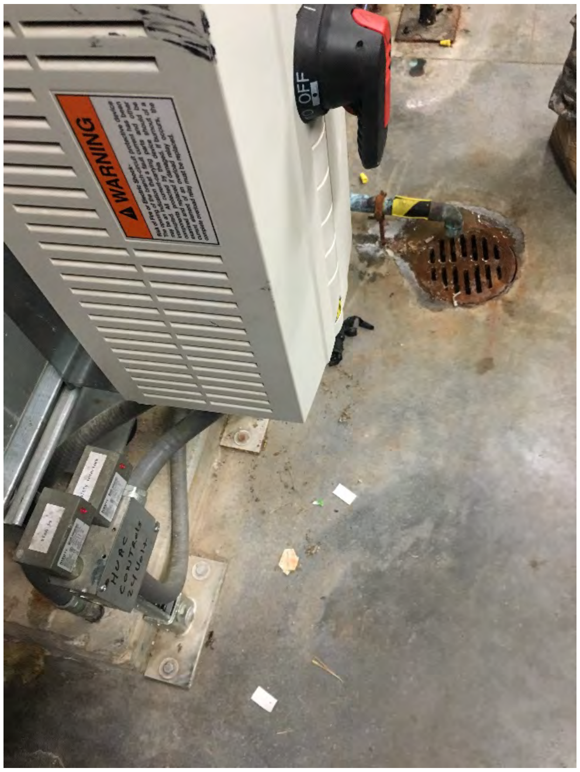
APPENDIX C – Photographic Log

Army National Guard, Preliminary Assessment for PFAS	Whiteman AASF	Missouri

Photograph No. 3

Description:

The floor drains and trenches within the hangars dispense to the oil/water separator, then to the sanitary Whiteman AFB WWTP.



Photograph No. 4

Description:

The 350-gallon tank containing 2% C2 High Expansion Foam in the cold storage hangar. The tank bladder is visibly leaking.

APPENDIX C – Photographic Log

Army National Guard, Preliminary Assessment for PFAS	Whiteman AASF	Missouri

Photograph No. 5

Description:

A 55-gallon drum of bulk storage of 2% C2 High Expansion Foam concentrate that was found in the cold storage hangar.