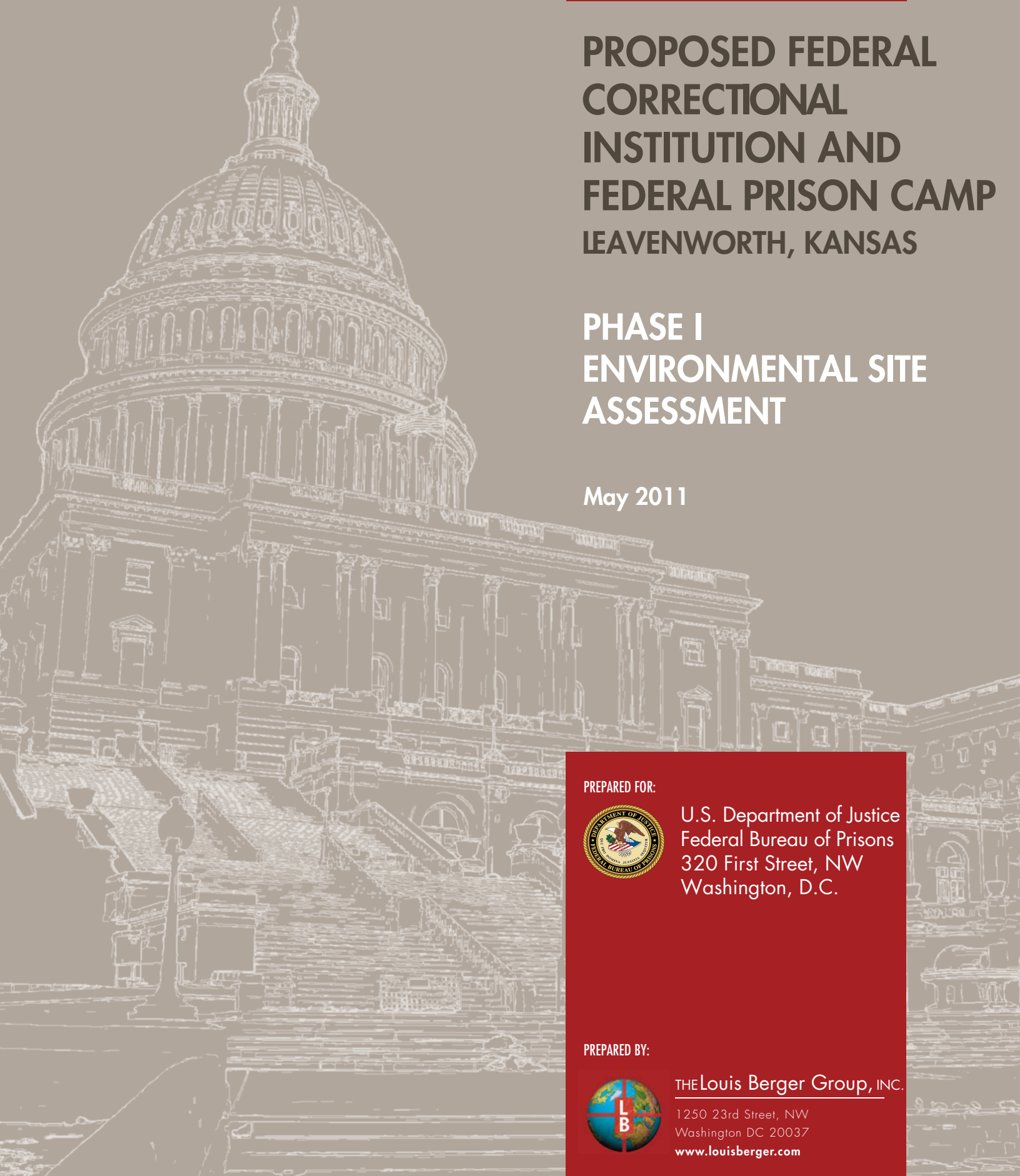

PROPOSED FEDERAL CORRECTIONAL INSTITUTION AND FEDERAL PRISON CAMP

LEAVENWORTH, KANSAS

PHASE I ENVIRONMENTAL SITE ASSESSMENT

May 2011

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U.S. Department of Justice
Federal Bureau of Prisons
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EXECUTIVE SUMMARY

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On behalf of the U.S. Department of Justice, Federal Bureau of Prisons (BOP), The Louis Berger Group, Inc. (LBG) has conducted a Phase I Environmental Site Assessment (ESA) on two areas of study located in Leavenworth, Leavenworth County, Kansas (the "Subject Properties"). This Phase I ESA has been prepared in conjunction with various feasibility and other studies associated with the proposed development of a new Federal Correctional Institution (FCI) and a Federal Prison Camp (FPC) within the grounds of the existing Leavenworth United States Penitentiary (USP) property.

The objective of the Phase I ESA was to identify the presence or likely presence, use and/or release of hazardous substances or petroleum products at two alternative development sites, defined in ASTM International (ASTM) Standard Practice E 1527-05 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered *RECs* are identified in this assessment. These may include *historical RECs* or *de minimis* conditions. The Phase I ESA also includes a review of regulatory agency databases, historical documents and visual observations of both alternative development sites and adjoining properties as described below.

The East Site consists of approximately 238 acres and is situated immediately east of the existing USP facility. The majority of this area is undeveloped land with a small area of BOP housing located on the southern property boundary. The East Site is bounded to the east and north by the U.S. Army's Fort Leavenworth. Corral Creek separates the East Site from Fort Leavenworth to the north, and Grant Avenue, the access road to the main gate of Fort Leavenworth, forms the eastern boundary of the East Site. Metropolitan Avenue forms the southern boundary of the East Site. Across Metropolitan Avenue is a mixture of residential and commercial properties that include two gasoline service stations and an electrical substation. The East Site is bounded to the west by the existing USP Leavenworth facility.

The West Site consists of 144 acres occupied by the current FPC. The West Site is surrounded by undeveloped property, including a buffalo pasture south of the FPC. The West Site is bounded to the east by the existing USP Leavenworth facility and to the north by Fort Leavenworth. To the west, across Santa Fe Trail, the West Site is bounded by additional USP property on a hillside that includes the USP Training Center, Firing Range, and Credit Union. Metropolitan Avenue forms the southern boundary of the West Site and across Metropolitan Avenue is a mixture of residential and commercial properties.

Both Subject Properties are located adjacent to the Leavenworth USP, which began operation in 1906 as the first federal correctional facility. Various prison industries have operated continuously at USP Leavenworth since its inception and many of these industrial operations and other institutional activities have involved the use of hazardous materials. There is also a long history of on-site waste disposal at the USP, which includes waste disposal by the U.S. Army prior to BOP occupancy of the USP property.

There are three identified hazardous waste disposal sites on the USP that are recognized by the Kansas Department of Health and Environment (KDHE) and have been investigated and monitored since 1991. These sites are identified as Areas A, B, and C and described as follows:

- Area A: consists of the paint can disposal area ("Site 1"), trench burial area ("Site 2"), waste oil dumping area ("Site 8"), located largely within the limits of the East Site.

- Area B: consists of the north sanitary landfill ("Site 4"), fuel oil spill ("Site 7"), Building 80 ("Site 5") and east yard hot barrel site. Area B is located directly north of the existing USP facility and between the East Site and West Site.

- Area C: consists of the cemetery landfill ("Site 6") and hot barrel site at the shale pits ("Site 9b"). Area C is located west of the prison camp and Santa Fe Trail, near the USP training facility and cemetery.

Based on the data obtained during the site inspection, subsequent regulatory and records review, and interviews with persons familiar with the Subject Properties and their history, LBG identified the following RECs associated with the Subject Properties:

- There are three identified hazardous waste sites located within or adjacent to the boundaries of the Subject Properties. "Area A" consists of several former landfill areas and the boundaries of Area A are located almost entirely within the East Site. The waste disposal areas within Area A have been capped, but the source of contaminants was not removed. Construction of buildings within Area A could be restricted by KDHE limitations for construction in a former landfill area. In addition to potential KDHE restrictions, other concerns related to potential construction within the boundaries of Area A include methane gas generated by decaying wastes, which could present a health and safety danger during and following construction; and ground subsidence due to non-compacted landfill soils could impede construction or result in building damage following construction.

- In addition to the delineated Area A, there are two ponds (Ponds 1 and 2) located within the East Site that reportedly contain contaminated sediments. These ponds have been dammed as part of remedial measures designed to keep contaminated sediments from migrating downstream toward Corral Creek and the Missouri River. Land grading plans that included draining or filling of these ponds, or removal of the dam structures would require KDHE review and approval. The volume of sediments in these ponds is unknown. Remediation of sediments (e.g. excavation and off-site disposal) may be required prior to reuse of these portions of the East Site.

- "Area B" consists of another former landfill located north of the existing USP and between the East Site and West Site. Groundwater monitoring results have indicated that no contaminants are migrating from Area B off-site and that recently monitored concentrations of contaminants in groundwater do not exceed KDHE cleanup standards.

- "Area C" consists of the former cemetery landfill located west of the West Site. Groundwater monitoring results have indicated that no contaminants are migrating from Area C off-site or to the West Site.

- Adjacent properties have had documented releases of oil or hazardous materials that have the potential to migrate via groundwater toward the Subject Properties. The USP Leavenworth has been operated for over 100 years and was formerly operated as part of the Fort Leavenworth Army Base and a wide range of waste materials, potentially including oil and hazardous wastes, or unexploded ordinances, could have been disposed of on the Subject Properties over the years. There are multiple waste disposal areas on the adjacent Army Fort Leavenworth property, including one "FTL-65" located immediately north of the West Site, and two "FTL-13" and "FTL-35" located north of the East Site, opposite Corral Creek. Fort Leavenworth is located opposite

Corral Creek from the Subject Properties and forms a natural drainage divide between the Army Base and the USP and there is no known evidence that contamination from Fort Leavenworth has migrated to the Subject Properties. However, the location of Fort Leavenworth adjacent to and upgradient from the Subject Properties, with a long history of hazardous materials use and on-site waste disposal represents a REC with respect to the Subject Properties

Based on the findings of this ESA, LBG believes that the RECs identified would warrant further action depending on the development site selected for the proposed new facilities. A Phase I ESA normally results in a recommendation as to whether a Phase II ESA (i.e. subsurface investigation) is necessary. In the case of the Subject Properties, extensive subsurface investigations have already been conducted as part of larger environmental investigations and remediation at the USP Leavenworth. Because of the long history of on-site waste disposal, some additional subsurface investigations in advance of potential construction should be considered.

LBG concludes that it would be prudent to collect site-specific soil and groundwater environmental data in the footprint of proposed facilities prior to construction. In lieu of or in addition to this proposed investigation, the Construction Specifications and Health and Safety Plan for the proposed construction should contain emergency response and contingency procedures for encountering unknown wastes and hazardous materials during construction of the proposed facility.

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LIST OF ABBREVIATIONS AND ACRONYMS

ACBMs	asbestos-containing building materials
ASTM	ASTM International
AST	Aboveground Storage Tank
AUL	Activity and Use Limitation
BOP	Federal Bureau of Prisons
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CORRACTS	Corrective Action Reports
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FCI	Federal Correctional Institution
FPC	Federal Prison Camp
GBA	George Butler & Associates
GPR	Ground-penetrating radar
HRS	Hazard Ranking System
KDHE	Kansas Department of Health and Environment
kg	kilogram
LBG	The Louis Berger Group, Inc.
LUST	Leaking Underground Storage Tank
MCLs	Maximum Contaminant Levels
msl	mean sea level
NPL	National Priority List
NWI	National Wetland Inventory
NFRAP	CERCLIS No Further Remedial Action Planned
PCBs	Polychlorinated biphenyls
RADD	Remedial Action Decision Document
RCRA	Resource Conservation and Recovery Act
RCRAInfo	Resource Conservation and Recovery Act Information Database
REC	Recognized Environmental Condition
SHWS	State Hazardous Waste Site
SQG	RCRA Small Quantity Generator
SWF/LF	Solid Waste Facilities/Landfill Sites
SVOCs	semi-volatile organic compounds
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
USP	United States Penitentiary
UST	Underground Storage Tank
VOCs	volatile organic compounds

1.0 INTRODUCTION

1.0 INTRODUCTION

On behalf of the U.S. Department of Justice, Federal Bureau of Prisons (BOP), The Louis Berger Group, Inc. (LBG) has conducted a Phase I Environmental Site Assessment (ESA) on two sites located directly north of the City of Leavenworth, Leavenworth County, Kansas. This Phase I ESA has been prepared in conjunction with various feasibility and other studies associated with the possible development of a new Federal Correctional Institution (FCI) and Federal Prison Camp (FPC) on the existing Leavenworth United States Penitentiary (USP) property. The objective of the Phase I ESA effort was to determine the likelihood of contamination at alternative development sites by hazardous substances or petroleum products. LBG understands that the proposed construction of a FCI at USP Leavenworth would provide bed space for 1,152 inmates in a medium-security facility, and would include a dialysis center for up to 48 inmates requiring kidney dialysis.

In 2009, a Site Reconnaissance Study was conducted to determine the feasibility of developing new correctional facilities on federal property under the administrative control of the BOP at the USP in Leavenworth, Kansas. As a follow-up to that study, LBG is currently preparing an Environmental Impact Statement (EIS) in accordance with the National Environmental Policy Act (NEPA), as well as other technical analyses in support of FCI and FPC development. This Phase I ESA was conducted in support of the EIS and covers two alternative parcels as follows:

- The East Site, consisting of approximately 238 acres of undeveloped land within the existing USP Leavenworth property and situated immediately east of the USP; and

- The West Site, consisting of 144 acres comprising the current FPC and undeveloped surrounding property, located adjacent to and west of the USP.

The two alternative sites are referred to collectively herein as the “Subject Properties”. The entire USP Leavenworth property, that includes the East Site and West Site, as well as the primary USP structures and surrounding lands, is referred to herein as the “Main USP Leavenworth.”

1.1 PURPOSE

The purpose of the Phase I ESA was to identify the presence of any Recognized Environmental Conditions[1] (“RECs”), Business Environmental Risks[2], and/or Historical Recognized Environmental Conditions[3] as defined by ASTM International (“ASTM”) Standard Practice E1527-05, *Standard Practice*

[1] ASTM Standard E1527-05 defines "Recognized Environmental Conditions” as follows: “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

[2] ASTM Standard Practice E1527-05 defines "Business Environmental Risk” as “a risk which can have a material environment or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.”

[3] ASTM Standard E1527-05 defines “Historical Recognized Environmental Condition” as follows: “an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the Environmental Professional and will be influenced by the current impact of the

for Environmental Site Assessments: Phase I Environmental Site Assessment Process, with respect to the Subject Properties. This report has been prepared at the request of the BOP. The BOP is also designated by the term "User," within the context of ASTM Standard Practice E1527-05.

The application of ASTM Standard Practice E1527-05 in the preparation of this report is intended to permit the designated User of this report to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser (collectively, "landowner liability protections") limitations on liability with respect to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This report, therefore, intends to represent "all appropriate inquiry" into the previous ownership and uses of the Subject Properties, consistent with good commercial or customary practice, as defined by CERCLA in 42 U.S.C. §9601(35)(B).

1.2 SCOPE OF SERVICES

LBG's scope of services for this Phase I ESA consisted of the following components, as further detailed in subsequent sections of this report:

- A review of available pertinent current and historical records, maps and other documents concerning alternative;
- A visual inspection of the Subject Properties;
- A visual inspection of the exteriors of any standing structures present on the alternative sites, and inspections of the interiors of these structures provided access is granted by the property owner (BOP) and provided the structures were deemed safe to enter;
- A review of information concerning the physical setting of each alternative site;
- A review and evaluation of local, state and federal databases within specified distances of the alternative sites;
- A review of available prior environmental reports and historical aerial photographs;
- Interviews with public officials, property owner (BOP) representatives and other knowledgeable persons (Fire Department, Department of Health, etc.), as available, concerning past and present uses of the alternative sites; and
- Evaluation of information and preparation of a Phase I ESA report.

The User's responsibilities, as set forth in Section 6 of ASTM Standard Practice E1527-05, with respect to the identification of RECs in connection with the Subject Property, comprise an additional scope of inquiry. These responsibilities consist of the following tasks and information sources, as further discussed in Section 3.0 of this ESA:

- Review of Title and Judicial Records for Environmental Liens or Activity and Use Limitations (AULs);
- Specialized Knowledge or Experience of the User;

historical recognized environmental condition on the property."

- Actual Knowledge of the User;
- Reason for Significantly Lower Purchase Price;
- Commonly Known or Reasonably Ascertainable Information; and
- Reason for Requesting a Phase I ESA.

1.3 SIGNIFICANT ASSUMPTIONS

In general, LBG has assumed in the conduct of this ESA that respondents to our inquiries offered information in good faith and that, through our research, we obtained reasonably correct and accurate information from the sources consulted. Other than these general assumptions, LBG is not aware of any significant assumptions applied in the preparation of this ESA.

1.4 LIMITATIONS AND EXCEPTIONS

This investigation was limited to the review of available records, interviews with BOP and local officials and persons familiar with the site, and an on-site visual inspection. The site inspection was limited to observation of surficial conditions only. Such an inspection cannot be expected to reveal all oil or hazardous materials or situations that might be present on-site; some hazardous materials or conditions may exist and not be detected because they are beyond the scope of this study. The investigation was conducted in a manner consistent with that level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to the representatives of LBG. All documents prepared by or furnished by LBG pursuant to this project are to be used in the context of the scope of services contracted. This document is not intended or represented to be suitable for reuse by the client or others on modifications of the project scope. Reuse or release to third parties without the expressed written permission of LBG is prohibited.

1.5 SPECIAL TERMS AND CONDITIONS

Terms and Conditions of the contract for this ESA are set forth in Contract No. GS-00F-0004L, Task Number RFQP0700CC1000006 “EIS Preparation and Environmental related Services”.

1.6 USER RELIANCE

This Phase I ESA was conducted in a manner consistent with the level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to LBG representatives. LBG conducted interviews, file, and data reviews to obtain information that could reveal the past or present use, storage and/or disposal of hazardous substances or petroleum products on or near the Subject Properties. LBG performed a visual reconnaissance of the Subject Properties to identify evidence of potential sources of contamination.

The Phase I ESA conforms to the general content requirements of ASTM Standard E-1527, to address the due diligence provisions of CERCLA. This report was prepared in accordance with Section 9601 (35)(b) of the Superfund Amendment and Reauthorization Act, to satisfy the provision that “all appropriate inquiry” be made into the presence or potential presence of hazardous substances or petroleum products on the Subject Properties.

Additional information, which was not available at the time of this report's preparation, may result in the modification of the information present herein. The ASTM Standard E-1527 for a Phase I ESA does not include evaluation of potential asbestos-containing building materials (ACBMs), radon gas, or lead-based paint. Therefore, no survey for these hazardous building materials was conducted as part of this Phase I ESA. However, information made available to LBG regarding ACBMs and lead paint is provided herein.

2.0 SITE DESCRIPTION

2.0 SITE DESCRIPTION

This section provides general information on the ownership and location of the Subject Properties, and current uses of the Subject Properties and surrounding properties. With the exception of BOP housing located to the south, the East Site consists primarily of undeveloped open land and forested land northeast of the existing USP Leavenworth. The West Site consists of the existing FPC and surrounding open land located immediately west of the existing USP Leavenworth. Both alternative sites are situated on USP Leavenworth property owned by the BOP.

2.1 LOCATION AND LEGAL DESCRIPTION

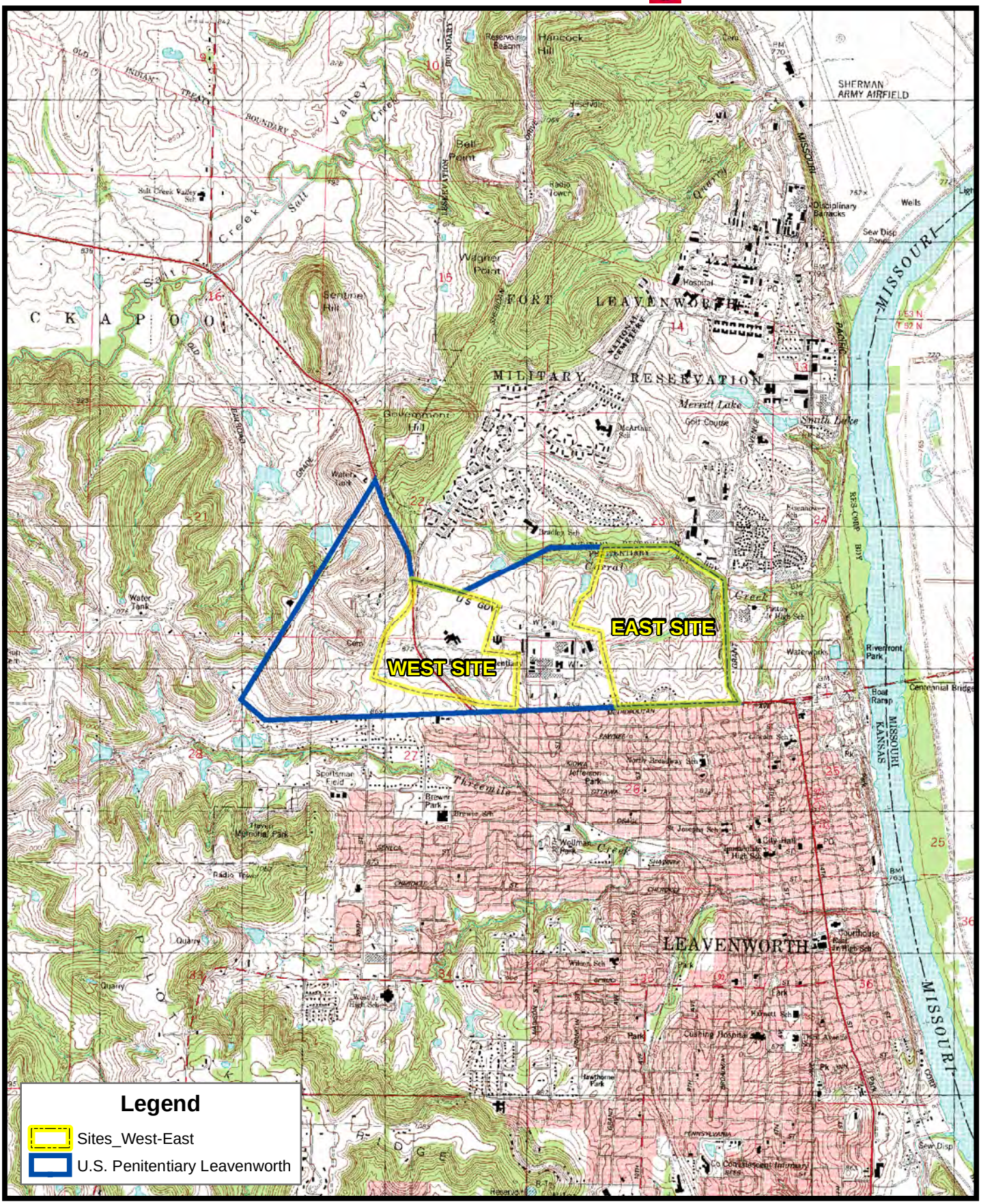
The City of Leavenworth is located in eastern Kansas approximately 34 miles northwest of Kansas City in Leavenworth County. The street address for the USP Leavenworth is 1300 Metropolitan Avenue. The Subject Properties are located immediately north of the City of Leavenworth and south and west of the Fort Leavenworth U.S. Army Base. The USP Leavenworth property consists of a total of 754 acres.

The Subject Properties are located in Section 26, Township 8, Range 22 East, and on Leavenworth County Appraiser's Plat Map 077, Parcel 077-26-0-20-01-001.00-0. The property owner listed by the Leavenworth County Appraiser is the U.S. Army Fort Leavenworth Military Reservation. The general location of the Subject Properties is shown on Exhibit 1. Exhibits 2 and 3 show the boundaries of the Subject Properties on 2010 aerial photograph provided by the State of Kansas. The East Site comprises approximately 144 acres and the West Site comprises approximately 238 acres.

The East Site is largely vacant, open land with the majority of the acreage consisting of grasslands and forested land. There are also several BOP-owned houses located along the south side of the East Site along Metropolitan Avenue. The West Site consists of the existing FPC and surrounding open grasslands that include the buffalo pasture, a fenced-in bison paddock.

The East Site is bounded to the east and north by the U.S. Army's Fort Leavenworth. Corral Creek separates the East Site from Fort Leavenworth to the north, and Grant Avenue, the access road to the main gate of Fort Leavenworth forms the eastern boundary of the East Site. Metropolitan Avenue forms the southern boundary of the East Site. Across Metropolitan Avenue is a mixture of residential and commercial properties that include two gasoline service stations and an electrical substation. The East Site is bounded to the west by the existing USP Leavenworth facility.

The West Site is bounded to the east by the existing USP Leavenworth facility and to the north by Fort Leavenworth. To the west, across Santa Fe Trail, the West Site is bounded by additional USP property on a hillside that includes the USP Training Center, Firing Range, and Credit Union. Metropolitan Avenue forms the southern boundary of the West Site and across Metropolitan Avenue is a mixture of residential and commercial properties.



0 0.25 0.5 1 1.5 Miles

N
W E
S

Source: USGS, Kansas GIS

Exhibit 1
SITE LOCATION MAP

0 250 500 1,000 1,500 Feet

N
W E
S

Source: USGS, Kansas GIS

Exhibit 2
ALTERNATIVE 1 - EAST SITE

Exhibit 3
ALTERNATIVE 2 - WEST SITE

2.2 PHYSICAL SETTING

Information on the physical setting of the Subject Properties and surrounding area was found in the EDR Report provided as Appendix A, a review of maps and relevant documents referenced below, and from extensive previous subsurface investigations conducted at the USP and described in Section 4.1.10. The project area is located in Leavenworth County, in the northeast portion of the State of Kansas. The Subject Properties lie within the Dissected Till Plains of the Central Lowland physiographic region [U.S. Geological Survey (USGS), 2004]. The center of the USP Leavenworth is located at 39° 19' 49" North latitude and 94° 56' 11" West longitude.

The majority of the Subject Properties consist of open grasslands with some trees and forested areas along the northern boundary. Several intermittent streams and gullies transect the Subject Properties and drain toward Corral Creek to the north on the East Site and Three Mile Creek to the south on the West Site.

2.2.1 Topography

Topographic features of the Subject Properties are shown in Exhibit 1. Topography of the East Site consists of gently rolling hill slopes. Elevations range from 825 to 890 feet above mean sea level (msl), with a decrease in elevation from west to east (USGS, 2009). A drainage swale crosses east-northeastward from the west part of the East Site and empties into a wetland and a large pond on the East Site. A second pond was observed at the north side of the East Site.

The topography of the West Site is more level with elevations ranging from 830 to 880 feet above msl (USGS, 2009). The area of the buffalo pasture consists of a small valley formed by a tributary of Three Mile Creek. The area within the FPC is fairly level due to previous development of this site, with an elevation of about 860 feet above msl. A steep ridge, known as Government Hill, lies due west of the West Site.

2.2.2 Bedrock Geology

Information on geology of the Subject Properties was provided via mapping by the State of Kansas (2008) and through multiple site investigations conducted at the USP by George Butler & Associates (GBA) of Lenexa, Kansas since the early 1990s. Bedrock geologic materials underlying the Subject Properties consist of rocks of the Lawrence Shale Member. The Lawrence Shale Member is located within the Douglas Formation of the Pennsylvanian Series (Kansas Geological Survey, 2008). The Lawrence Formation consists mostly of gray shale and sandstone with minor red shale, coal, gray limestone and conglomerate. The thickness of this formation ranges from 140 to 250 feet. The primary rock type associated with the Douglas formation is shale, with the secondary rock type sandstone, and the tertiary rock type is coal, limestone, and/or conglomerate. Historic maps of Leavenworth County, viewed at the Leavenworth Public Library, indicate that significant coal deposits are present on the Fort Leavenworth property to the north of the Subject Properties.

2.2.3 Surficial Geology

Surficial geologic materials underlying the Subject Properties consist of loess deposits underlain by residual clay soils overlying the Lawrence Shale Member (Kansas Geological Survey, 2008). Loess

consists of a calcareous, loamy (clayey sand) deposit formed by wind and common to the Mississippi Valley.

2.2.4 Soils

The Natural Resources Conservation Service (NRCS, 2011) Web Soil Survey identifies the soils in the East Site as Sharpsburg silty clay loam, 1 to 8 percent slopes on the highest elevations and Sharpsburg and adjacent hill sides. Ladoga silt loam, 1 to 8 percent slopes is present on the lower hill sides and Knox silt loam, 7 to 12 percent slopes is present in the areas of the ponds. Sharpsburg soils are moderately well drained and formed from loess. Ladoga soils also are moderately well drained and formed from loess. Knox silt loam is well drained and formed of fine-silty loess. These soils are not identified as hydric soils, which are defined by the NRCS as soils that are sufficiently wet in the upper part to develop anaerobic conditions during the growing season.

On the West Site the soil identified by the NRCS at the location of the extant prison camp is Sharpsburg silty clay loam, 1 to 4 percent slopes. This soil is also present in the northwest part of the buffalo pasture, but the rest of the buffalo pasture is composed of Sharpsburg silty clay, 4 to 8 percent slopes.

2.2.5 Hydrology

The Subject Properties are located within the Missouri River Drainage Basin with the Missouri River located approximately one-half mile east of the USP Leavenworth property. Surface water drainage within the Subject Properties is generally from south to north, into Corral Creek, which runs along the northern boundary of the USP, eventually discharging to the Missouri River. A review of Federal Emergency Management Agency mapping indicates that the Subject Properties are not located within the 100-year or 500-year floodplains of the Missouri River or Corral Creek.

Review of the U.S. Fish and Wildlife Service on its National Wetland Inventory (NWI) website indicates that there are five freshwater ponds on the USP Leavenworth property. This was confirmed by subsequent site reconnaissance. Two of these ponds are located on the East Site and are identified in previous reports as Ponds 1 and 2 from east to west. Ponds 3 through 5 are located on the main USP property between the East Site and West Site. These ponds are bounded by freshwater emergent or freshwater forested/shrub wetlands. The surface area of these ponds averages about one-half to one acre. The ponds are contained by constructed impoundments that are intended to prevent sediments from migrating downstream, as described in Section 4.1.9. No ponds are present on the West Site although an unnamed tributary to Three Mile Creek passes through the buffalo pasture. Three Mile Creek flows south of the West Site and discharges to the Missouri River. As part of a separate technical study, LBG is delineating the location and extent of wetlands located within the boundaries of the Subject Properties.

A drainage swale flows through the East Site to Pond 1 and then flows north across the eastern portion of the East Site to Corral Creek. Several other drainage features are located on the Subject Properties that appear to be drainage swales. These drainage features are being evaluated to determine if these are classified as drainage swales or as jurisdictional Waters of the U.S. under Section 404 of the Clean Water Act. Corral Creek flows along the northern boundary of the East Site and also discharges to the Missouri River.

The depth to groundwater across the East and West Sites is shallow, generally within 10 feet of the ground surface. Groundwater flow across the USP has been determined by extensive previous investigations by GBA and others, and generally follows surface topography. Groundwater flow is generally easterly on southern portions of the East Site and northerly toward Corral Creek on northern portions of the East Site. Groundwater flow is generally easterly to southeasterly toward Three Mile Creek on the West Site. Hydraulic conductivity has been determined to vary across the USP Leavenworth property but to be generally very low, about 1×10^{-8} feet/foot, indicating slow movement of groundwater.

2.3 CURRENT USE OF THE SUBJECT PROPERTIES

The East Site consists of open land within the boundaries of the greater USP Leavenworth. There are 15 single- and two-family houses for USP staff located along Metropolitan Avenue, on the southern boundary of the East Site.

The West Site consists of open land, which includes the enclosed buffalo pasture, and the existing FPC. The West Site is also located within the boundaries of the USP Leavenworth.

Vehicular access to the Subject Properties/USP Leavenworth is from Metropolitan Avenue/Highway 92. Highway 92 provides access to the Leavenworth area from the east and Route 7 provides access from the west.

2.4 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITES

Other than the staff houses located along Metropolitan Avenue, there are no other structures located on the East Site. There is a paved road that provides access to the rear of these homes from the existing USP, and some dirt pathways transecting portions of the East Site.

An electrical easement passes from Metropolitan Avenue through the East Site and then extends westerly passing along the northern edge of the West Site. A natural gas easement extends from the southeast end of the East Site to the northwest to the north side of the West Site.

A portion of the West Site is developed with the FPC. The FPC consists of two main buildings, the original building that includes dormitory halls, a cafeteria, offices, recreational areas, etc., and a newer visitor's center/entry building to the south. There is a paved access road from Santa Fe Trail to the west, and a small paved parking area adjacent to the buffalo pasture. The Santa Fe Trail/Old Highway 73 was relocated during the past three years as part of the New Route 73 Bypass project. This road formerly was located to the east, and transected the West Site from south to north along the tracks of the former Union Pacific Railroad easement. This former road is currently a dirt trail and the pavement surface has been removed, although some remnant asphalt paving material was observed on the ground surface during LBG's site reconnaissance (Section 5.0).

Water supply service to the existing FPC is currently supplied by the City of Leavenworth Water Department and wastewater treatment services are provided by the City of Leavenworth Water Pollution Control Division. Allied Waste of Kansas City, Kansas currently provides solid waste disposal

services for the existing FPC, Westar Energy provides electricity, Kansas Gas Service provides natural gas, and Time Warner and AT&T provide telecommunication services.

2.5 CURRENT USE OF ADJOINING PROPERTIES

2.5.1 Existing USP Leavenworth

The main USP Leavenworth includes the walled USP facility and multiple outlying support structures. It also includes property west of the West Site, across Santa Fe Trail, which includes the Prison Cemetery, Credit Union, Training Center, and Firing Range. The main USP Leavenworth was not inspected as part of LBG's investigation; however, the exterior was observed during the recent field visit, and documents pertaining to the use and operations of this facility were provided by the BOP and reviewed at state and local agency offices.

The existing USP includes cell blocks and the USP administrative offices. It also includes associated warehouse, education, recreation, and medical buildings, a powerhouse, a UNICOR prison industries building, vehicle and facilities maintenance shops, dining halls, fuel and water tanks, guard towers and other facilities required to operate and maintain the USP. The majority of these facilities are located within the existing USP compound.

Facilities located immediately adjacent to the East Site, outside of the USP walls, include a UNICOR warehouse where UNICOR products (currently textiles) are kept and computer equipment is disassembled for recycling; and a gasoline filling station. The FPC is located adjacent to the existing USP and within the boundaries of the West Site.

A list of chemicals used at the existing USP Leavenworth was provided in a 2005 *EPCRA Section 313 Self-discovery/Self-disclosure Compliance Report* prepared for the BOP by GBA. Chemical product names (and chemicals) used at the USP as listed in that report include the following:

- 290 Adhesive/Sealant Threadlocker (cumene hydroperoxide);
- 4629 Communications Orange Marking Paint (xylene, ethylbenzene, formaldehyde, toluene, methanol);
- Acti-Klean (ethylene glycol);
- Aquapon W/B, 98-3 (toluene);
- Carbicote Booth Coating, 946 (xylene,methyl isobutyl ketone);
- Damp Surface Gloss Enamel (zinc oxide);
- Damp Surface Primer (zinc oxide);
- DM24 DTM Alkyd Semi-Gloss (ethylbenzene);
- DTM Acrylic Semi-Gloss, M29 (Ethylene glycol, Dibutyl phthalate);
- Oatley Cleaner and All-Purpose Cement (methyl ethyl ketone);
- Restroom Deodorant (1,4-dichlorobenzene);
- SAF-T-EZE Nickel Anti-Seize (nickel, aluminum);
- Sherwin Williams Brown Paint (ethylene glycol);
- Tech Rub-O-Matic (tetrachloroethylene, dichloromethane, xylene);
- Tigerbond 221 (methyl isobutyl ketone);
- Tile Red Armor Seal 1000 Heavy Duty (ethylbenzene, barium, xylene, 1,2,4-trimethylbenzene);
- Tremseal HP Base (toluene);
- Weatherproof Aluminum Paint, C137 (aluminum); and

- Zinc Rich Cold Galvanizing Compound (toluene).

Extensive environmental investigations have been conducted at the USP Leavenworth, including the Subject properties, since 1984. More information on these investigations is provided in Section 4.1.9.

2.5.2 South of Metropolitan Avenue

Various commercial and residential properties within the City of Leavenworth are located across Metropolitan Avenue south of the Subject Properties. These adjacent properties are located topographically down-gradient from the Subject Properties. Commercial properties located south of Metropolitan Avenue from the East Site include the following:

- Finish Line gasoline service station, 1101 Metropolitan Avenue;
- Woody's gasoline service station, 1031 Metropolitan Avenue;
- Northpointe Mini-Storage, 1011 Metropolitan Avenue;
- Sue's Sewing, 1011 Metropolitan Avenue;
- Cathy's Hair Fashion, 1119 N 8th Street;
- Over the Years (antiques), 1121 N 8th Street;
- G&W Properties, Inc. (real estate), 779 Metropolitan Avenue;
- First City Barber Shop, 743 Metropolitan Avenue;
- Little Caesar's Pizza, 707 Metropolitan Avenue;
- 7-Eleven (convenience store), 707 Metropolitan Avenue;
- The Exchange, Military Banking Office, 707 Metropolitan Avenue;
- Cash 2 Go (check cashing business), 707 Metropolitan Avenue;
- U.S. National Guard (recruiting office), 707 Metropolitan Avenue; and
- Income Tax (tax preparation service), 707 Metropolitan Avenue.

Commercial properties located south of Metropolitan Avenue from the West Site include the following:

- Metropolitan Steakhouse, 1500 Metropolitan Avenue; and
- U.S. Army Reserve Center, Metropolitan Avenue at 20th Street.

3.0 USER PROVIDED INFORMATION

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The "User" of the Property, in accordance with ASTM Standard Practice E1527-05, is the BOP. LBG's point of contact within the BOP was Mr. Thomas Sheldrake, Executive Assistant and FPC Administrator at the USP Leavenworth. Mr. Sheldrake was provided a User Questionnaire as part of this ESA and this form was completed with assistance from other USP and BOP Regional Office personnel. The completed questionnaire is provided as Appendix B. Additional information on the historical use of the Subject Properties provided by the User is summarized in Section 4.3.

3.1 TITLE RECORDS

Review of records of the Leavenworth County Registry of Deeds office indicated they have no records on file for the USP Leavenworth. The USP is a federally-owned property for which local government title records are not typically held.

3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

The User does not know of any environmental liens or AULs relevant to the Subject Properties. The Kansas Department of Health and Environment (KDHE) restricts development in waste disposal areas, including those identified at the USP Leavenworth.

3.3 SPECIALIZED KNOWLEDGE

The BOP provided information related to the use and disposal of hazardous materials at the USP Leavenworth property that is summarized in Section 4.1.9. Extensive subsurface investigations and remedial activities have been conducted on the USP Leavenworth property, which BOP personnel have knowledge of and provided documents related to these investigations. Reports and files detailing this information were also reviewed at the KDHE as described in Section 4.0.

Additionally, in 2009, TEC, Inc. of York, Pennsylvania completed a Site Reconnaissance Study of three proposed development alternatives similar to those described herein, but with somewhat different boundaries and areas. Data was collected on topography, geology, soils, surface water, groundwater, hazardous waste, natural resources, cultural resources, socioeconomic resources, and utilities to determine whether potential impacts to these resources or impacts to the project by these resources would make the site non-viable alternatives. The study was performed using desktop research on available on-line information from state and federal agencies, available reports, and site visits (TEC, 2009). The TEC report was provided to LBG and relevant portions are referenced herein.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The BOP provided previous subsurface environmental investigation reports and additional documents related to environmental conditions at the Subject properties, as described in Section 4.1.9.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The BOP owns the Subject Properties and is currently considering using them as potential FCI and FPC development sites. The USP took occupancy of the original USP Leavenworth property from the U.S. Army in 1906 and additional acreage has been transferred since that time as described in Section 4.3.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

Information provided by the Subject Properties owner, property manager, and/or occupant is provided in Section 6.0 and where otherwise stated. The Subject Properties owner, property manager, and occupants are all the BOP.

3.7 REASON FOR PERFORMING PHASE I

The BOP has requested this Phase I ESA as part of an Environmental Impact Statement being conducted in support of development of a FCI and FPC. The purpose of the Phase I ESA is to determine present environmental conditions and the potential need for performing a Phase II ESA or additional tasks prior to potential development of the Subject Properties.

4.0 REVIEW OF PUBLIC RECORDS

4.0 REVIEW OF PUBLIC RECORDS

In order to supplement and cross-reference the information received from various sources, LBG commissioned a search of federal and state databases by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. If any information about the Subject Properties or nearby properties was found, a discussion of the listing is presented in the text under the appropriate classification. Dates shown are those of the most recent updates to the databases. Information from the EDR Report was supplemented with a review of files by LBG representatives at the KDHE headquarters in Topeka, Kansas on January 20, 2011.

The databases discussed in this section, provided by EDR, were reviewed for information regarding documented and/or suspected releases of regulated hazardous substances and/or petroleum products on or near the Sites. The unmappable (also referred to as "non-geocoded") listings within the database report were also reviewed, cross-referencing available address information and facility names. Unmappable sites are listings that cannot be plotted with confidence, but are located within the general area of the Subject Properties based on the partial street address, city name, or zip code. In general, a listing cannot be mapped due to inaccurate or incomplete address information in the database supplied by the corresponding regulatory agency.

Due to the large area of the Subject Properties and the USP Leavenworth property, LBG requested expanded search radii for the databases listed in the EDR report. The standard search radii specified in ASTM 1527-05 were doubled. The EDR report is provided in Appendix A.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

LBG reviewed information from the following federal databases (publication date in parentheses), identified by ASTM Standard E1527, as sources of information relevant to the Phase I ESA process.

- Resource Conservation and Recovery Act TSD and GEN (RCRA TSD and RCRA GEN) List (02/17/2010)
- Corrective Action Report (RCRA CORRACTS) (05/25/2010)
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List (01/29/2010)
- CERCLIS No Further Remedial Action Planned (NFRAP) (06/23/2009)
- National Priority List (NPL) (07/02/2010)
- Federal Engineering and Institutional Controls Registries (12/20/2009)
- Emergency Response Notification System (ERNS) List (07/09/2010)

LBG reviewed information from the following state databases, identified by ASTM Standard E1527, as sources of information relevant to the Phase I ESA process.

- Kansas Registered Underground Storage Tanks ("USTs") (10/01/2006)
- Kansas Oil and Chemical Spills Database (11/08/2010)
- Kansas State Hazardous Disposal Sites (SHWS) (11/15/2010)
- Solid Waste Facilities/Landfill Sites (SWF/LF) (10/27/2010)

- Leaking Underground Storage Tank (LUST) List (08/20/2010)
- Voluntary Cleanup Sites (VCP) (04/02/2008)
- Engineering Controls/Institutional Controls Sites (11/15/2010)
- Kansas Brownfields (11/15/2010)

The EDR report also identified the landfill sites and 30-year groundwater monitoring program established with the KDHE as described below (Section 4.1.9).

4.1.1 Federal NPL Site List

The U.S. Environmental Protection Agency (EPA) NPL (or "Superfund" List) is a federal listing of uncontrolled or abandoned hazardous waste sites that pose a potential risk to human health or the environment. The list is created from the CERCLIS database and is primarily based upon a score that each site or facility receives from the EPA's Hazard Ranking System (HRS). After a site or facility has been identified as a CERCLIS site, the EPA conducts an assessment of the property. The HRS score associated with the degree of environmental risk found is one of the determinations made as to whether the site is placed on the NPL. These sites are then prioritized for possible long-term remedial action and referred to the state for further action under state programs. No NPL Sites or Proposed NPL Sites were identified within a two-mile radius of the USP Leavenworth on the environmental database report.

4.1.2 Federal Delisted NPL Site List

The National Oil and Hazardous Substances Pollution Contingency Plan established the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 Code of Federal Regulations 300.425 (e) sites may be deleted from the NPL where no further response is appropriate. No Delisted NPL Sites were identified within a two-mile radius of the USP Leavenworth on the environmental database report.

4.1.3 Federal CERCLIS Site List

The CERCLIS List is a compilation of records from a nationwide database created to maintain and regulate those facilities or sites that the EPA has investigated or will investigate for suspected or uncontrolled releases of hazardous substances, contaminants, or pollutants as reported by states, municipalities, private companies and private citizens under the CERCLA Program. Once a site is placed on the CERCLIS List, it may be subjected to several additional levels of evaluation, to determine the severity of the contamination from discovery and preliminary assessment to site inspection, and possibly the application of the HRS. Such a determination could ultimately place the site under consideration for inclusion on the NPL. Inclusion on the CERCLIS List does not confirm the presence of an environmental problem or a public health threat.

A search of the January 29, 2010 list indicated that one CERCLIS site is located within one-mile of the USP Leavenworth. The Mercury-North Broadway Street site is located between one-half and one mile southeast of the Subject Properties. Based on its distance and location hydrogeologically downgradient, releases of oil or hazardous materials on this property are not expected to affect the Subject Properties.

4.1.4 Federal CERCLIS NFRAP Site List

A search of the June 23, 2009 CERCLIS NFRAP sites listing revealed no listed facilities located within a one-mile radius of the USP Leavenworth.

4.1.5 Federal RCRA CORRACTS Facilities List

The Resource Conservation and Recovery Act (RCRA) CORRACTS List is a list of hazardous waste handlers with RCRA Corrective Action Activity. A search of the May 5, 2010 CORRACTS List revealed that no CORRACTS facilities are located within a two-mile radius of the USP Leavenworth.

4.1.6 Federal RCRA Generators List

RCRAInfo is the EPA's comprehensive information system, providing access to data supporting RCRA (the Resource Conservation and Recovery Act of 1976) and the Hazardous and Solid Waste Amendments of 1984. Inclusion on the list is not necessarily indicative of contamination; rather, it indicates the presence of potential sources of contamination. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. Conditionally exempt small quantity generators (SQGs) generate less than 100 kilograms (kg) of hazardous waste, or less than one kg of acutely hazardous waste per month. Small quantity generators generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kg of hazardous waste, or over one kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. Treatment, Storage or Disposal Facilities (TSDFs) treat, store, or dispose of the waste.

The USP Leavenworth is currently classified as a RCRA Small-Quantity Generator (SQG), with an EPA ID # 10000127531 and State of Kansas ID # KS4151909120, generating less than 1,000 kg of hazardous waste per month. Hazardous wastes generated at the USP Leavenworth include the following, as listed in the EDR report and other documents reviewed as part of this ESA:

- Chromium and lead (sources unspecified);
- Spent, non-halogenated solvents: xylene, acetone, ethyl acetate, ethylbenzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol;
- The following spent, non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane;
- Various spent automotive fluids and petroleum products in the USP Garage;
- Silver from X-ray units in the Health Services Unit of the USP and the Health Clinic of the FPC; and
- Mercury from the USP Dental Clinic.

The EDR report lists several hazardous waste violations for the USP Leavenworth dating from 1984-2005 and related to container use and management, general facility standards, and other general violations.

The USP Leavenworth also appears on the Federal Insecticide, Fungicide and Rodenticide Act Tracking System List which tracks administrative cases and pesticide enforcement actions. Violations of this Act for unspecified reason were noted for the USP in 1993 and 1998.

The following additional RCRA generators were identified within one-half mile of the USP Leavenworth on the environmental database report:

Site	Location	Distance/Direction
Capital Electric Line	1320 Ottawa Street	0.25-0.5 mile south

Based on the location of the Capital Electric Line property downgradient from the Subject Properties and its distance, releases of hazardous materials on this site are not expected to affect the Subject Properties.

4.1.7 Federal Institutional Control/Engineering Control Registries

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 the site. Deed restrictions are generally required as part of the institutional controls. Engineering controls include various forms of caps, building foundations, liners and treatment methods to eliminate pathways for regulated substances to enter environmental media or affect human health. The databases did not identify any federal institutional or engineering control sites at the Subject Properties or within one-half mile of the Subject Properties.

4.1.8 Federal Emergency Response Notification System List

The ERNS List is a compilation of records from a national computer database and retrieval system created to store information on accidental releases of oil and hazardous substances. The information stored in this database is acquired through the National Response Center. Each reported incident is required to contain and provide the discharger name, date of release, amount released, and type of substance released. The USP Leavenworth is identified as an ERNS site.

4.1.9 State and Tribal Lists of Hazardous Waste Sites

KDHE maintains an inventory of the known contaminated sites in Kansas. These sites may or may not already be listed on the federal CERCLIS List. A review of the EDR database indicates that the Subject Properties are located within the larger USP Leavenworth, which is listed as a State Hazardous Waste Site (SHWS). According to the EDR Report, there are two SHWS located within one-mile of the Subject Properties:

Site	Location	Distance/Direction
USP Leavenworth	1300 Metropolitan Avenue	On-site and adjacent
Robert E. Doran III Property	1320 Ottawa Street	0.25–0.5 mile south

The Robert Doran Property, also known as Capitol Electric, is located downgradient from the Subject Properties and releases of oil and hazardous materials on this site are not expected to affect the Subject Properties.

There are three identified hazardous waste disposal sites on the USP Leavenworth property that are recognized by the KDHE and have been investigated and monitored since 1991. These sites are identified as Areas A, B, and C. Area A lies largely within the boundaries of the East Site, near its southwest corner. Area B lies north of the existing USP Leavenworth between the East Site and West

Site, and Area C is located adjacent to the West Site. The most recent monitoring in 2008 indicated that no groundwater contaminants were detected at levels above state clean-up criteria and that no groundwater contamination appears to be migrating off the USP property.

The KDHE Project Manager for the remediation and monitoring of these identified hazardous waste sites is Mr. Joseph Dom. The KDHE, in personal conversation and a letter dated January 19, 2011, has indicated that the KDHE does not allow construction over "Closed Solid Waste Sites." Areas A, B, and C are considered Closed Solid Waste Sites because of historical waste disposal in these areas. The concerns related to construction over a landfill site are generation of methane or other hazardous gases as well as ground subsidence. Construction could also damage clay caps constructed over these areas as a remedial measure to prevent rainwater from percolating through waste materials. The KDHE has indicated that should construction expose any wastes, these wastes must be transported to and disposed of at a KDHE-approved landfill. Details of the investigations and environmental monitoring conducted at the USP Leavenworth state-listed hazardous waste sites are described below.

- **1984-1986 Phase I and II Hazardous Waste Site Evaluation**

The BOP implemented a Hazardous Waste Site Evaluation Program in 1984. Phase I of that program consisted of a survey of BOP facilities, including USP Leavenworth to determine those that may have had potential hazardous waste sites (Geosystems Engineering and GBA, 1992).

A Preliminary Assessment was conducted at USP Leavenworth in February 1986 as Phase II of the Hazardous Waste Site Evaluation Program. The Preliminary Assessment was conducted by the Hazardous Materials Technical Center of Alexandria, Virginia and consisted of a review of facility records, interviews with public agencies and USP Leavenworth employees, and a site reconnaissance. The results of the Preliminary Assessment were summarized in a 1991 "*Preliminary Site Investigation/ Hazardous Waste Site Remedial Investigation Report"* by GBA.

These investigations identified ten potential hazardous waste spill or disposal sites at USP Leavenworth, which were later grouped into three larger sites identified as Area A, Area B and Area C as described in the following sections. Areas B and C were then later subdivided into Areas B and B-1, and C and C-1. The Phase II evaluation indicated that there was potential for contaminant migration and therefore, a Phase III subsurface investigation with environmental sampling and analysis was recommended to determine the potential extent of hazardous waste contamination at USP Leavenworth.

The investigations also identified several industrial operations that produce or may have produced hazardous materials at USP Leavenworth. These operations include a furniture factory, brush factory, printing factory, vehicle maintenance shop, and landscaping department. These operations generated varying quantities of waste oils, spent solvents, auto part cleaning agents, lacquer thinners, paint, stored polychlorinated biphenyl (PCB)-contaminated transformers, gasoline, and rinsed empty pesticide containers. The GBA report also identified one hazardous waste spill on the USP Leavenworth property. The spill was a release of approximately 13,800 gallons of No. 2 fuel oil from heating fuel oil storage tanks in 1991. The majority of the spill was reportedly recovered.

The GBA report also identified various means of disposal that has been used for waste materials generated at USP Leavenworth. Disposal methods have included burial in on-site landfills, possible discharge to a settling pond, spreading on the ground (used oil), and on-site burning. At the time of the 1991 GBA report, disposal of waste on-site had ceased.

- **1991 Phase III Task 1 Preliminary Site Investigation Hazardous Waste Site Remedial Investigation**

Phase III, Task 1 of the BOP's Hazardous Waste Site Evaluation Program consisted of a Preliminary Site Investigation conducted in 1991. The results of the Preliminary Investigation were summarized in GBA's 1991 "*Preliminary Site Investigation/Hazardous Waste Site Remedial Investigation Report*."

Task 1 of the BOP's multi-phased hazardous waste management program consisted of a Preliminary Hazardous Waste Site Investigation and included collection of quantitative data on background conditions of soil, sediment, water, groundwater, and fish in the area of USP Leavenworth. Site surveys included aerial photograph and topographic mapping review, a ground survey of site features, geophysical surveys of each of the hazardous waste site using ground penetrating radar (GPR), soil boring advancement, monitoring well installation, hydrologic and hydrogeologic analysis, and the collection of discrete and composite soil, sediment, water, groundwater, fish flesh, and surface wipe samples for laboratory analysis. Environmental media samples were analyzed for metals, total petroleum hydrocarbons (TPH), oil and grease, pesticides, herbicides, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).

The ten hazardous waste sites identified at the USP during the Phase II Hazardous Waste Evaluation were grouped into the following three, larger hazardous waste sites:

- Area A: Paint Can disposal area ("Site 1"), trench burial area ("Site 2"), waste oil dumping area ("Site 8"). Pond 1 and Pond 2, also known as "Subsites 3.1 and 3.2", were grouped with Area A, although located separately to the north. Area A and Pond 1 are both located largely within the limits of the East Site.

- Area B: North sanitary landfill ("Site 4"), fuel oil spill ("Site 7"), Building 80 ("Site 5") and east yard hot barrel site. Ponds 3, 4, and 5, also known as "Subsites 3.3, 3.4, and 3.5", are located within Area B. The east yard hot barrel site and Building 80 were later designated as Area B-1. Area B/B-1 is located directly north of the existing USP facility and between the East Site and West Site.

- Area C: Cemetery landfill ("Site 6") and hot barrel site at the shale pits ("Site 9b"). The hot barrel site at the shale pit was later designated as Area C-1. Site C/C-1 is located west of the prison camp and Santa Fe Trail, near the USP training facility and cemetery.

The GPR surveys identified the approximate horizontal extent of waste in Areas A, B, and C. The hydraulic conductivity of the surficial geologic strata, which consists of loess and clay soils with shale bedrock, was determined to be very low. Groundwater movement was determined to vary across the USP property and to be generally northeasterly at Area A, northerly at Area B, and southerly at Area C.

Laboratory analytical results indicated that several contaminants were present in the waste disposal areas at concentrations greater than three times the estimated background levels or method detection limits.

Several contaminants were detected in all pond water and sediment samples. Surface water and sediment samples from Corral Creek, along the northern boundary of the USP, generally contained lower concentrations of similar substances found in pond surface water and sediment samples. Fish

flesh samples contained concentrations near or above the U.S. Food and Drug Administration action levels for PCBs and chlordane.

Following the Phase III Task 1 Preliminary Site Investigation the BOP posted and fenced each surface water pond and the limits of each identified hazardous waste site, discontinued paint booth waste discharges, and restricted access to Building 80. GBA's Phase III Task 1 Report recommended additional investigations as part of Task 2.

- **1991-1992 Phase III Task 2 Detailed Hazardous Waste Site Investigation**

In 1991 and 1992, GBA and Geosystems Engineering, Inc. of Lenexa, Kansas performed additional subsurface investigation and environmental media sampling, which are detailed in a "*Detailed Site Investigation, Hazardous Waste Site Investigation Report*." This Phase III Task 2 consisted of collecting detailed quantitative information about each identified hazardous waste site. Site investigations included exploration test pits, soil borings, hydrogeologic calculations, and additional sampling and analysis of environmental media. Laboratory analysis during Phase III Task 2 also included asbestos in soil and air constituents.

Fifty-nine exploratory test pits were excavated at the hazardous waste sites Areas A, B, and C. Also, 44 additional soil/rock borings were advanced and 33 groundwater monitoring wells were installed in these Areas. Slug testing of monitoring wells was also conducted to determine hydraulic conductivity of soil and rock in the investigation Areas.

The test-pitting and soil borings confirmed sources of contamination. The results of the Detailed Site Investigation indicated that contaminants were present at the three Hazardous Waste Areas as follows:

- Area A: VOCs, SVOCs, and pesticides/PCBs in soil; metals, VOCs, and SVOCs in groundwater; pesticides/PCBs in surface water; and pesticides/PCBs in sediment.

  Several contaminants were detected significantly above background levels. The sources of these contaminants appeared to be wastes that were previously buried in trenches and pits located on the north and south sides of a tributary stream to Corral Creek in Area A. Also, surface and subsurface discharges of pollutants from the vehicle maintenance center/gasoline filling station on the main USP Leavenworth property may have contributed to subsurface contamination at Area A. Pond 1 on the East Site was determined to be an excellent sediment control structure, limiting migration of contaminants to Corral Creek.

- Area B: metals, VOCs, SVOCs, and pesticides/PCBs in soil; metals, SVOCs, and pesticides/PCBs in groundwater; VOCs, SVOCs, and pesticides/PCBs in surface water; and SVOCs, pesticides/PCBs and herbicides in sediment.

  Several contaminants were detected significantly above background levels. The sources of these contaminants appeared to be buried wastes and discharges from a storm water pipe on the main USP property. Ponds 3, 4, and 5 on the main USP Leavenworth property appeared to intercept sediment before contaminants from Area B migrated to Corral Creek.

- Area C: metals in groundwater. No buried wastes that were considered hazardous were identified at Area C.

- Area C-1: VOCs, pesticides/PCBs, and herbicides in soil; pesticides/PCBs and herbicides in surface water. Chlordane appeared to be the only contaminant present above background levels at Area C-1.

The Detailed Site Investigation also indicated that contaminants were found surface water and sediments in Corral Creek upstream of the USP Leavenworth, indicating that the presence of contaminants in Corral Creek along the northern boundary of the USP and downstream from the USP may have originated from upstream sources.

A baseline risk assessment determined that all of these Areas, except Area C, had current human health concerns and all except Area C-1 had future human health concerns that required some remediation. It was recommended that remedial alternatives be evaluated as part of Phase III Task 3.

- **1992 Phase III Task 3 Remedial Planning**

In 1992, GBA and Geosystems Engineering conducted Phase III Task 3 of the BOP's facility hazardous materials assessment, which consisted of a Remedial Planning study (Geosystems Engineering and GBA, 1992). Task 3 studies included groundwater and contaminant fate and transport modeling, and the preparation of remediation alternatives for hazardous waste Areas A, B, and C.

Seven conceptual remediation alternates were selected with three primary elements of corrective action: monitoring, containment, and treatment of contaminated soil and groundwater. The following remedial alternatives were recommended for the three Hazardous Waste Areas:

- Area A: Installation of a subsurface drainage and recovery well system for groundwater treatment; and a sediment collection and wetland management system to trap potentially contaminated sediments upstream of Corral Creek and use specific wetland species to biodegrade contaminants.

- Area B: Installation of a subsurface drainage and recovery well system for groundwater treatment; and a sediment collection and wetland management system to trap potentially contaminated sediments upstream of Corral Creek and use specific wetland species to biodegrade contaminants.

- Area C: Monitoring of groundwater, surface water, and fish tissue.

- Area C-1: Sediment collection and wetland management system to trap potentially contaminated sediments upstream and use specific wetland species to biodegrade contaminants.

The recommended remedial measures also included a long-term monitoring program.

- **1995 Engineering Evaluation/Cost Analysis**

KDHE reviewed the Engineering Evaluation/Cost Analysis (EE/CA) and recommended removal actions, which were incorporated into the Removal Action Decision Document (RADD), described in the following Section. The following remedial actions were taken:

- Clay barriers were added to the landfill disposal areas.

- Dams were reconstructed or newly constructed for associated ponds.

- A sediment retention system was constructed and consisted of surface cover added to landfills in Areas A and B. Ponds 1, 3, 4, 5, and 7 located in Areas A, B, and C were reconstructed to eliminate potential aquatic life and provide retention of surface water.

- Prevention of access to the site via 24-hour security patrols, guarded observation towers, and a chain-link fence around the entire facility.

- Establishment of the groundwater and surface water monitoring program began in 2001 as described below.

- **1996 Removal Action Decision Document for Management of Waste Areas**

In 1996, Butler prepared a RADD for Management of Waste Areas for the USP Leavenworth hazardous waste sites. This document, approved by the KDHE in February 1996, describes the specific removal actions proposed for the hazardous waste sites recommended under CERCLA. The RADD provides a summary of delineation activities at each of the hazardous waste sites:

- Area A: Laboratory analysis of environmental media did not detect contamination of groundwater, soil, sediment, or surface water samples that were collected in the vicinity of the reported paint can disposal area within Site A. Therefore, there is no evidence that a release of contamination associated with the paint can disposal area had occurred.

  The locations of the disposal trenches at Area A were identified using GPR and determined to be located approximately 200 feet east-southeast of the garage facility. Based on the GPR results there are a total of six trenches approximately 25 feet wide and 400 feet long. They are spaced approximately 50 feet apart and cover approximately 7.5 acres (GBA, 1996). Test pit excavations conducted in 1992 indicated waste as deep as 13 feet. A small landfill associated with these trenches was also identified. The trenches and landfill were reportedly used from sometime in the 1930s to 1980. Debris recovered from the backhoe investigations included bones, leather trimmings, plastic, glass, tires, insulation, wood, Styrofoam, construction debris and other municipal wastes (GBA, 1996).

  The used oil dumping area is located in the parking lot of the garage building east of the existing USP and near the western boundary of the East Site. Dumping of waste oil to the ground surface in this area took place from the early 1960s until 1983, at a rate of about 330 gallons of petroleum products per year.

  Pond 1 is located on the East Site downstream of the disposal trench area. Analysis of surface water and sediment samples taken from Pond 1 in 1992 identified TPH, VOCs, SVOCs, pesticides, PCBs, and herbicides were present in these sediments. The RADD outlined removal actions for Site A which included a sediment retention system for surface soils and water. The report indicated Pond 1 is an excellent sediment control structure, which reduces the migration of contaminated sediments to Corral Creek. The report also recommended creating a buffer for uncontrolled contaminants that may migrate to Corral Creek as a modification to Pond 1.

- Area B: The fuel oil spill site within Area B refers to a spill of 13,600 gallons of No. 2 fuel oil on February 9 and10, 1985 from the USP's fuel oil storage tanks. The spill flowed to Pond 5, which was constructed to contain such a spill, and eventually discharged to the Missouri River.

  The sanitary landfill at Area B, located north of the existing USP, covers approximately three acres and is 25 feet deep. The majority of wastes disposed of in the landfill were non-hazardous but may have included some paints, pesticides, etc. The landfill was utilized until 1979.

  Building 80 is a warehouse building, located north of the existing USP facility and east of the fuel storage tanks, was used to store electrical transformers. The concrete floor of Building 80 was contaminated with spilled PCB-containing transformer oil between 1982 and 1984.

  The "hot barrel" site refers to an area in the East Yard inside the walls of the USP where flammable liquid wastes from the UNICOR furniture factory and other USP operations were burned daily. This process took place from the 1940s until 1960 when the process was moved to the shale pit within Area C. The hot barrel site is now paved with asphalt.

- Area C: The cemetery landfill is located west of the West Site, and was formerly used for general prison refuse disposal. Subsurface investigations in 1992 discovered only bricks in the landfill area.

  The shale pit hot barrel site was used for burning of liquid chemical waste from the USP from 1960 until 1977.

The removal (or remedial) actions taken at each of these Areas were described in the previous section. The RADD also recommended a groundwater and surface water monitoring program to ensure that concentrations of contaminants did not increase and that contaminant migration off-site did not occur. It was recommended that the BOP perform annual monitoring of at least one monitoring well upgradient from the former disposal trenches and paint can disposal areas, and quarterly monitoring of four downgradient monitoring wells.

Surface water monitoring was to be conducted at outfall locations south and north of USP Leavenworth. These storm water discharge points were sampled quarterly as part of the USP's National Pollution Discharge Elimination System (NPDES) Permit under the Clean Water Act.

- **Groundwater Monitoring Program**

In 2001, based on the monitoring described in the 1996 RADD and approval from the KDHE, a groundwater and surface water monitoring program was implemented at USP Leavenworth. The monitoring program was implemented to ensure that contaminants of concern were not increasing in concentration or migrating off of the USP Leavenworth property.

- The wells to be monitored at Area A included MW-1, MW-12, MW-24, MW-35, and MW-37.
- The wells to be monitored at Area B included MW-10, MW-19, MW-20, MW-22, and MW-32.
- The wells to be monitored at Area C included MW-6, MW-27, MW-28, and MW-30.

The results of the 2000-2001 monitoring indicated that contamination from the hazardous waste Areas A, B and C had not migrated off-site.

A letter from the KDHE to the BOP dated December 3, 2004 described concentrations of select heavy metals, SVOCs, pesticides, or PCBs above the EPA's Maximum Contaminant Levels (MCLs). In this same letter, KDHE requested a 30-year monitoring plan with groundwater samples to be collected on a schedule of 1, 2, 4, 7, 10, 15, 20, 25, and 30 years with the first sampling event taking place in May 2005. GBA had requested in their 2004 groundwater monitoring submission to KDHE that certain wells be eliminated from future monitoring. KDHE stated in their letter that in hazardous waste Area A Monitoring Well 35 and Monitoring Well 37 were to continue to be monitored.

A second letter from KDHE, dated December 7, 2005, stated that the September 2005 sampling event conducted by GBA did not indicate concentrations of select heavy metals, SVOCs, pesticides, or PCBs above the MCLs.

GBA's 2008 monitoring report showed that the previous eight years of groundwater analytical data indicated contamination at USP Leavenworth is not present above regulatory cleanup levels. The report also indicated that Monitoring Well 37 had collapsed. Therefore, only Monitoring Well 35 could be monitored. The 2008 monitoring indicated that no contaminants had migrated outside of hazardous waste Areas A, B, or C. The GBA report identified the next monitoring date to be May/June 2011.

Groundwater monitoring at the USP Leavenworth property has indicated that contaminants have not migrated from Areas B/B-1 or C/C-1. Therefore, releases of hazardous materials at these sites are not expected to affect the Subject Properties. Surface water monitoring under the NPDES program showed no parameters above the state requirements for 2002, indicating no pollution migration via surface water.

- **2002 Environmental Compliance Survey**

LBG was contracted by the BOP to conduct an Environmental Compliance Survey at the USP Leavenworth in 2002. The Environmental Compliance Survey was conducted to evaluate the BOP's compliance with Executive Orders and applicable federal, state, and local environmental laws, regulations, and requirements. LBG's "*Environmental Compliance Survey Report"* (LBG, 2002) described operations of UNICOR at USP Leavenworth as the manufacture of wooden furniture for government clients. The UNICOR operations generate some wastes including paints and oil-based lacquers. LBG made recommendations based on this Environmental Compliance Survey; among these were the following relevant to this ESA:

- Implementing procedures during fuel tank refilling to prevent any potential leaks or spills from reaching a downstream catch basin;
- Placing a spill kit closer to the ASTs;
- Providing adequate secondary containment for a container of hydraulic oil or plugging an adjacent floor drain; and
- Conducting an inventory of all groundwater wells on-site and securing these wells as necessary.

Based on the extensive subsurface investigations conducted to date across the USP, and the most recent groundwater monitoring results, it appears that no contamination is migrating off of the USP property via groundwater or surface water. Concentrations of contaminants in groundwater do not exceed KDHE cleanup levels, based on the most recent monitoring results.

4.1.10 State and Tribal Lists of Solid Waste Facility/Landfill Sites

The State of Kansas maintains an inventory of the permitted solid waste facilities in the state. This inventory is a database that contains information from permitted solid waste disposal and management facilities including landfills, incinerators, and transfer stations. According to the EDR database, the USP Leavenworth/Area B is listed as a SWF/LF facility for on-site burial of wastes as described in Section 4.1.9. No additional SWF/LF facilities within 0.5-mile of the Site are listed on the EDR Report.

4.1.11 State and Tribal Leaking Storage Tank Lists

The LUST Incident Reports contain an inventory of reported leaking UST incidents. There were 46 LUST sites identified within two miles of the USP Leavenworth. USP Leavenworth is listed as a closed LUST site, for a 1989 case likely related to the 1990 replacement of gasoline and diesel USTs at the USP Garage Building. The following additional LUST sites were identified within one-half to one mile of the Subject Properties:

Site	Location	Distance/Direction
Fail Property	1347 Metropolitan, Leavenworth	adjacent to south
E-Z Shop	11 St./Metropolitan, Leavenworth	adjacent to south
Capitol Electric	1320 Ottawa Street, Leavenworth	0.25–0.5 mile south
Leavitt Property	743 Metropolitan, Leavenworth	0.5-1 mile east
Patton Junior High	5 Grant Avenue, Leavenworth	0.5-1 mile east
Sinclair Retail	627 Metropolitan, Leavenworth	0.5-1 mile east
Doris Get & Go	111 N Broadway, Leavenworth	0.5-1 mile east
Foremost Dairy (Former)	753 Shawnee, Leavenworth	0.5-1 mile east
744 Shawnee	744 Shawnee, Leavenworth	0.5-1 mile east

The Fail Property is the location of a closed LUST site from 1994. This property is located downgradient from the West Site and crossgradient from the East Site and since the case is closed. Past releases of oil and hazardous materials on the Fail Property site are not expected to affect the Subject Properties.

The E-Z shop property is the location of a current gasoline service station located south of the East Site and downgradient, across Metropolitan Avenue. This LUST case dates to 1989 and according to the EDR Report, groundwater monitoring is taking place on this property. The E-Z shop property is also referred to as Hund Service, Inc. and Amoco Service Station in the following section.

The remaining listed LUST sites are located downgradient and at considerable distances from the Subject Properties. As such, releases of oil and hazardous materials on these sites are not expected to affect the Subject Properties. Further, these LUST case have been closed since at least 1999.

4.1.12 State and Tribal Registered Storage Tank Lists

This database contains registered USTs. The USP Leavenworth appears on the UST database. Known current USTs on the USP include one 3,000-gallon diesel UST and one 5,000-gallon fuel oil UST located at the vehicle maintenance building. These USTs were installed in 1990, replacing earlier USTs that were removed at that time, according to USP personnel. The EDR report lists four “permanently out-of-use” USTs removed from the USP in 1990 which were formerly used to contain gasoline and diesel fuel.

Fuel oil for use in the USP Leavenworth emergency generator is stored in two tanks totaling 450,000 gallons that are located adjacent to the USP Power Plant. The following additional registered UST sites were identified within one-quarter mile of the Subject Properties:

Site	Location	Distance/Direction
Hund Service, Inc.	1101 Metropolitan Avenue	adjacent to south
Amoco Service Station	1101 Metropolitan Avenue	adjacent to south
Wood Oil #26	1031 Metropolitan Avenue	adjacent to south

There are aboveground storage tanks (ASTs) located on the adjacent USP Leavenworth property as described by BOP personnel and in LBG's "*Environmental Compliance Audit Report"* (2002) and an Environmental Assessment and Compliance Survey prepared by Professional Service Industries, Inc. (PSI) of Kansas City, Kansas dated December 9, 2005. A 12,000-gallon No. 2 fuel oil AST is also currently located on the existing USP as a backup fuel source for the USP Powerhouse. Two 226,000-gallon single-wall, steel diesel fuel oil ASTs are also located adjacent to the USP Powerhouse. The 2005 PSI Compliance Survey indicated that the secondary containment system for these ASTs has insufficient volume to meet the capacity requirement.

The Hund Service property and Amoco Service Station (also known as E-Z shop) are the same location, south of the East Site across Metropolitan Avenue, where a "Finish Line" gasoline service station currently exists. There are reportedly three USTs of unspecified capacity located on this property and containing gasoline or diesel fuel.

The Wood Oil property is another gasoline service station located immediately south of the East Site, across Metropolitan Avenue. There are two listed USTs of unspecified capacity located on this property and containing gasoline.

4.1.13 State and Tribal Institutional Control/Engineering Control Registries

A search of the November 15, 2010 list of Kansas Institutional Control and Engineering Control sites listing revealed no listed faculties located within a one-quarter-mile radius of the Subject Properties.

4.1.14 State and Tribal Voluntary Cleanup Sites

There were no sites on the VCP database identified within one-half mile of the Subject Properties in the environmental database report.

4.1.15 State and Tribal Brownfields Sites

There were no state or tribal Brownfields Sites identified within one-half mile of the Subject Properties identified in the environmental database report.

4.1.16 State Oil and Chemical Spills Database

USP Leavenworth appears on the Kansas Spills Database for several reported spills:

- The first spill was reported in April 1987, and was a 40,000-gallon spill of diesel fuel from an AST due to equipment failure. A response and cleanup took place, and this spill site was further investigated as part of the detailed USP subsurface investigations described in Section 4.1.9. This spill location is within the designated hazardous waste site Area B.

- A spill was reported in March 1992. No details on what material was spilled are listed in the EDR Report. The database report indicates an unspecified liquid was poured down a storm drain.

- A spill of fuel oil occurred in April 1991 when fuel oil from ASTs was released to an on-site retention pond. This spill was addressed as part of GBA's ongoing subsurface investigations and remediation conducted at the USP as described in Section 4.1.9. This spill occurred in hazardous waste site Area B, located between the East Site and West Site.

- A spill occurred in October 2006 when fuel oil reportedly was pumped from a containment structure into a storm drain and retention pit/pond on the USP property. No further information on this spill was available in the EDR Report; however, this spill case was closed in December 2006.

- A spill occurred in May 2008 when diesel fuel or fuel oil apparently leaked from an AST adjacent to the USP Powerhouse. Stained, petroleum-affected soil beneath the tank was excavated by a contractor for off-site disposal. This spill case was closed by the KDHE in January 2009.

There is one Kansas Spill Site located within one-quarter mile of the Subject Properties. A 1981 gasoline spill at Metropolitan Avenue and 11th Street was subsequently cleaned up and closed in December 1981.

4.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

A review of federal, state and local records for the USP Leavenworth property was accomplished by contacting offices of various regulatory agencies. The results of the review of local records are presented below.

4.2.1 City of Leavenworth Fire Department

LBG contacted the Leavenworth Fire Department to obtain information regarding USTs and/or hazardous materials storage records for the Subject Properties and vicinity. LBG representatives contacted Captain Shawn Kell of the Leavenworth Fire Department who stated that the City Fire Department does not maintain UST or spill records for the USP or the Fort Leavenworth Army Base. The UST records provided by EDR and contained in KDHE files are described in Section 4.1.12.

4.2.2 Kansas Department of Health and Environment

Information from the EDR database report was supplemented with a review of files at the KDHE headquarters in Topeka, Kansas on January 20, 2011. Information reviewed in the KDHE files is summarized in Section 4.1, including a detailed description of subsurface investigations at the USP Leavenworth site in Section 4.1.9.

4.2.3 U.S. Army Fort Leavenworth

LBG conducted an interview and simultaneous file review at the U.S. Army's Fort Leavenworth, adjacent to the Subject Properties to the north. LBG's contact at Fort Leavenworth was Mr. Richard Wilms with the Department of Public Works, Environmental Division. According to Mr. Wilms, multiple waste disposal landfill sites are located across Fort Leavenworth and environmental investigations have been conducted at these sites. Army maps showing the locations of these landfill sites include what appears to be within the hazardous waste disposal site Area B on the existing USP Leavenworth property. The Army map defines this waste disposal area as "FTL-01." This indicates that on-site waste disposal at the USP pre-dates occupancy by the Department of Justice in 1906.

The closest other waste disposal area to the Subject Properties is "FTL-65" which is located immediately north of the West Site, adjacent to a residential area on Fort Leavenworth. Two additional waste sites "FTL-13" and "FTL-35" are located north of the East Site, opposite Corral Creek.

Fort Leavenworth is located opposite Corral Creek from the Subject Properties which forms a natural drainage divide between the Army Base and the USP. There is no known evidence that contamination from Fort Leavenworth has migrated to the Subject Properties.

4.3 HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTIES

The information obtained during the historical use research is a preliminary means of assessing potential hazardous material contamination presence at the Subject Properties. Historical use information included previous site investigation reports, historic aerial photographs, topographic maps, additional maps and information reviewed at the Leavenworth Public Library, and documents provided by the BOP.

The Leavenworth USP is notable for many reasons. Among them is that the USP, opened in 1906, was the first federal correctional facility. In 1895, the U.S. Congress transferred the military prison at Fort Leavenworth to the U.S. Department of Justice and when the War Department objected, Congress authorized 1,000 acres adjacent to the prison for a new penitentiary to house approximately 1,200 inmates.

As described by TEC (2009), survey mapping prepared by VanDoren, Hazard, Stallings, Inc. indicates the original land transfer for USP Leavenworth from the War Department to the U.S. Department of Justice occurred on June 10, 1896. At that time approximately 505 acres were transferred to the U.S. Department of Justice.

Land north of the existing USP Leavenworth property and south of Corral Creek was granted to the USP from the U.S. Army for agricultural use in November 1944 (Geosystems and GBA, 1992). This area consists of 236 acres and includes northern portions of the East Site and West Site, as well as hazardous waste site Area B. Additional land including the east end of the East Site (181 acres) and portions of the Training Center property west of the West Site (39 acres) were granted to the USP in 1944 and 1957, respectively. In November 1976, the U.S. Department of Justice acquired an additional 270 acres of property, bringing the total area of the USP to be approximately 838 acres (TEC, 2009).

Today, USP Leavenworth houses approximately 1,615 high-security adult male inmates with an additional 440 minimum-security inmates housed in the adjacent FPC.

Prison Industries

Various prison industries have operated continuously at USP Leavenworth since its inception (GBA, 1996). Many of these industrial operations and other institutional activities have involved the use of hazardous materials. Since 1889, prison industries have produced brooms, furniture, shoes, mattresses, and textiles and have operated a printing factory. In 1934, BOP prison industries were consolidated into the Federal Prison Industries Corporation, now known as "UNICOR". Current UNICOR processes at the USP now include breakdown of computer equipment for recycling in the warehouse building adjacent to the East Site.

Federal Prison Camp

The existing FPC, formerly referred to as the "Honor Camp," on the West Site was constructed beginning in 1957. The Visitors Center building was constructed in 1991.

West Site

Santa Fe Trail, located along the western boundary of the West Site, was relocated about five years ago for construction of the Kansas Route 73 bypass. The former location was to the east, where it transected to the West Site in a north-south direction. This former location had previously been railroad tracks owned by the former Atchison, Topeka & Santa Fe Railroad Company (PSI, 2005).

4.3.1 Historical Topographic Maps

Topographic maps prepared by the U.S. Geological Survey (USGS) and U.S. Army Corps of Engineers (USACE) were reviewed for information regarding the past uses of the Subject Properties and vicinity. USGS topographic maps of the Leavenworth, Kansas quadrangle were reviewed for the years 1894, 1910, 1948, 1949, 1951, 1961, 1970, 1975, 1976 and 1984, which depict the Subject Properties and vicinity as follows:

- The 1894 1:250,000 scale topographic map shows the current USP property as open land between the Fort Leavenworth Military Reservation to the north and City of Leavenworth to the south.
- The 1910 1:62,500 scale topographic map shows the existing USP and one house along Metropolitan Avenue on the East Site.
- The 1948 1:50,000 scale topographic map shows the existing USP and all of the existing houses along Metropolitan Avenue on the East Site.
- The 1949 1:25,000 scale topographic map shows no significant changes from the 1948 map.
- The 1951 1:24,000 scale topographic map shows no significant changes from the 1949 map.
- The 1961 1:24,000 scale topographic map shows Ponds 1 and 5 on the East Site and the existing USP. These ponds had not been shown on earlier topographic maps. The 1961 map also shows the original FPC building on the West Site, which was not shown on earlier maps.
- The 1970 1:24,000 scale topographic map shows Pond 3 located north of the existing USP. Pond 3 had not been shown on earlier topographic maps.
- The 1975 1:24,000 scale topographic map shows all five ponds at the USP for the first time, indicating that these ponds were constructed between 1961 and 1975.
- The 1976 1:50,000 scale topographic map shows no significant changes from the 1975 map.
- The 1984 1:24,000 scale topographic map shows no significant changes from the 1976 map.

A 1:50,000 scale USACE map dated 1949 shows the existing USP and the current houses on the East Site along Metropolitan Avenue. The current ponds on the USP are not shown. The gullies transecting the East Site and the tributary to Three Mile Creek on the West Site are shown as intermittent streams.

4.3.2 Historical Aerial Photographs

Historical aerial photographs of the Subject Properties and surrounding area provided in TEC's 2009 Site Reconnaissance Report. These aerial were reviewed in order to identify historical land uses that may have involved hazardous substances and petroleum products. The historical aerial photographs reviewed included the years 1960, 1962, 1972, 1975, 1983, 1985, 1990, 1997, 2005, and 2006 and have been included in Appendix C. Information from these photographs is as follows:

- The 1960 photograph shows the Subject Properties as apparently open fields located adjacent to the existing USP Leavenworth. The current ponds on the existing USP and East Site are not shown except for the westernmost pond (Pond 5). Instead Ponds 1 and 2 on the East Site appear as a continuous inlet to Corral Creek.
- The 1962 aerial photograph shows one pond clearly on the north side of the existing USP, and Pond 5. The FPC, not shown on the 1960 aerial photograph appears to be under construction on the 1962 aerial.
- The 1972 aerial photograph shows no significant changes in the USP, except that four of five ponds on the main USP property are shown. New tracts of housing are visible on the adjacent Fort Leavenworth property to the north.
- The 1975 aerial photograph shows no significant changes in the USP and Subject Properties since 1972.
- The 1983 aerial photograph shows the fifth pond, Pond 2, on the East Site. These aerial photographs indicate that at least four of the five site ponds were constructed since 1960.
- The 1985 aerial photograph shows no significant changes in the USP and Subject Properties since 1983.
- The 1990 aerial photograph shows no significant changes in the USP and Subject Properties since 1985.
- The 1997 aerial photograph shows that a new perimeter fence has been constructed around the FPC since 1990.
- The 2005 aerial photograph shows no significant changes in the USP and Subject Properties since 1990.
- The 2006 aerial photograph has substantial cloud cover that obscures most of the East Site and some of the USP. No significant changes in the main USP Leavenworth and Subject Properties since 2005 were observed.

The area of the disposal trenches on the South Site is visible in years 1990, 1997 and 2005.

4.3.3 Fire Insurance Maps

Fire insurance maps (Sanborn maps) identify historical land uses at the main USP Leavenworth property and adjacent areas, as well as potential areas of environmental concern. These maps typically document land use, structural changes, street addresses, occupants, gas storage areas, raw material stockpiles and types of products manufactured and/or stored on-site. A request for Sanborn maps was

made of EDR but because of the location of the Subject Properties outside of the Leavenworth City limits, fire insurance maps were not available.

4.3.4 Property Tax Files

No pertinent historic information was found in Leavenworth County Assessor's office files.

4.3.5 Recorded Land Title Record

No recorded land title record was available for this ESA.

4.3.6 Local Street Directories

No local street directories ("city directories") were available for the Subject Properties.

4.3.7 Building Department Records

No pertinent historic information was found in the Leavenworth Building Department files.

4.3.8 Zoning/Land Use Records

No pertinent historic information was found in Leavenworth Planning and Zoning Department files.

4.4 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Information on history of adjoining properties was obtained through interviews with persons familiar with the area, municipal records, historic maps, library documents, and aerial photographs. Information of the adjacent existing USP was provided by the same sources as described in Section 4.3, including documents provided by the BOP. The Subject Properties are located within the larger, main USP Leavenworth property and abutted by the Fort Leavenworth Army Base to the north and east, and commercial and residential properties within the City of Leavenworth to the south. Additional USP Leavenworth property abuts the West Site to the west, across Santa Fe Trail.

<u>Existing USP Leavenworth</u>

The main USP Leavenworth includes the walled USP facility and multiple outlying support structures. It also includes property west of the West Site, across Santa Fe Trail, which includes the Prison Cemetery, Credit Union, Training Center, and Firing Range. The USP Leavenworth was established in 1906.

Over the course of its history, the main USP Leavenworth has housed multiple facilities with industrial or agricultural use. These include a power plant, kitchen and associated facilities (e.g., freezers), laundry facilities, hospital and other medical facilities, various UNICOR industries facilities, a gasoline filling station, agricultural facilities, landscape maintenance building, etc. Railroad tracks entered the main USP Leavenworth from Metropolitan Avenue, allowing deliveries of fuel oil and other supplies.

Fuel oil has been stored on the main USP Leavenworth in various tanks and volumes over the lifetime of the USP. A 1964 Report on Physical Plant Facilities (BOP, 1964) shows two oil tanks located due north of the facility power plant. These tanks contained No. 6 fuel oil and were both 220,000 gallons in capacity.

A gas station is shown to the east of the power plant in the same document. An "oil house" is shown within the USP walls within the UNICOR facilities (then known as "new industries" complex). Agricultural facilities are shown outside of the USP walls that include a slaughterhouse, dairy barn, poultry laying house, cow shelter, heifer barn, bull barn, and vegetable storage facilities. The existing UNICOR warehouse outside of the USP walls and adjacent to the East Site is also shown on site maps in the 1964 report.

The power plant building was constructed in 1952 and replaced a similar facility located inside the USP walls. The power plant boilers are fueled by natural gas, but can also use fuel oil as a backup fuel supply. Steam generated in the boilers is used to heat structures across the USP.

Various previous UNICOR operations at USP Leavenworth over time have included a brush factory, a print factory, and a shoe factory, as well as the manufacture of clothing, furniture, mattresses, and other goods (BOP, 1964). The location of UNICOR operations has varied across the USP over its history.

The Old Western Gate Building within the west security wall of the existing USP Leavenworth was constructed to serve as a railroad portal, and was later used as an armory (BOP, 1964).

Since 1984, extensive environmental subsurface investigations have been conducted on the main USP Leavenworth property, including the Subject Properties, following BOP environmental compliance inspections at USP Leavenworth. These investigations indicated that various waste disposal sites are present on the main USP Leavenworth property, including the East Site. Groundwater monitoring is being conducted to determine whether potential contaminants are migrating off of the USP Leavenworth property. The findings of these investigations are detailed in Section 4.1.10.

Potential hazardous wastes formerly used at the USP Leavenworth between 1930 and 1992 have been described in previous investigation reports (Geosystems Engineering and GBA, 1992) and are presented in Table 1.

During Fiscal Year 2006, the USP Leavenworth transitioned from a high-security to a medium-security facility to accommodate the growth of the medium-security inmate population.

U.S. Army Fort Leavenworth

The USP was formerly part of the larger U.S. Army Fort Leavenworth (also known as Fort Leavenworth Military Reservation) to the north. Fort Leavenworth has occupied this location since 1827. An 1857 map of Leavenworth County viewed at the Leavenworth Public Library indicated that Fort Leavenworth is located within what was formerly referred to as "Delaware Trust Lands," which were ceded by treaty to the U.S. in 1854 (Kansas obtained statehood in 1861). Fort Leavenworth was a starting point for supplies for settlers headed west and for exploration of the Santa Fe and Oregon Trails.

In 1874, the U.S. Department of War established a military prison at Fort Leavenworth. In 1895, this prison was transferred to the U.S. Department of Justice by direction of Congress. Once construction of the current USP was completed in 1906, the old military prison was returned to the Department of War.

TABLE 1
SUMMARY OF HAZARDOUS WASTE USE AND DISPOSAL HISTORY
USP LEAVENWORTH

Type of Waste				Burial/Disposal/Release Detection (by Hazardous Waste Site Area)				
Category	**Source**	**Products**	**Date**	**A**	**B**	**B-1**	**C**	**C-1**
Empty Containers	USP Industry Buildings 70, 71, 93, and 100	paint, lacquer, thinners, adhesives, pesticides, other	1930 - 1980	1	1		2	
Demolition Debris	Main Compound/ Building Renovation	insulation, wood, piping, brick, glass, etc.	1900 - 1992	1	1		1	1
Garbage	Kitchen, Housing and General Trash	dishes, bones, packaging, etc.	1900 - 1980	1	1		2	
Garbage	Building 93	oil, fillers, antifreeze, etc.	1930 - 1980	1	1			
Petroleum Spills	pipe leaks, transformers, Building 80	petroleum, PCBs	1930 - 1980	1	1	1		
Burn Barrels	Industry Buildings 70 and 71	paint, lacquer, thinners, solvents, gasoline, kerosene, etc.	1930 - 1980			2		1
Pipe Discharges	Main Compound Buildings 70, 100, 111 & Military Property	petroleum, pesticides, PCBs, septic, other	? - 1992	1	1	1		

Notes - Adapted from Geosystems Engineering and George Butler and Associates, 1992.
1 – Detected by laboratory testing or visual observation during 1991-1992 subsurface investigations.
2 – Reported but not detected during 1991-1992 subsurface investigations.

South of Subject Properties

The area south of the Subject Properties within the City of Leavenworth has been a mix of residential and commercial properties since the time of construction of the USP. Historic City maps viewed at the Leavenworth Public Library indicate that land south of the West Site across Metropolitan Avenue and between 14th and 16th Streets was formerly occupied by "Fair Grounds," during the late 19th century.

4.4.1 Historical Aerial Photographs

Historical aerial photographs of the Site and surrounding area provided in Appendix C. These aerials were reviewed in order to identify historical land uses that may have involved hazardous substances and

petroleum products. The historical aerial photographs reviewed included the years 1960, 1962, 1972, 1975, 1983, 1985, 1990, 1997, 2005, and 2006. Information on the USP from these photographs is described in Section 4.3.2. Review of these photographs indicates that surrounding land uses have remained largely the same since 1960.

4.4.2 Fire Insurance Maps

No Sanborn Company fire insurance rate maps were available for the area of the Subject Properties.

4.4.3 Property Tax Files

No pertinent historic information was found in Leavenworth County Assessor's office files.

4.4.4 Historical Topographic Maps

Topographic maps prepared by the USGS and USACE were reviewed for information regarding the past uses of the Subject Properties and vicinity. USGS topographic maps of the Leavenworth, Kansas quadrangle were reviewed for the years 1894, 1910, 1948, 1949, 1951, 1961, 1970, 1975, 1976 and 1984, which depict the Subject Properties and vicinity as follows. These maps depict the area surrounding the Subject Properties as similar to the present day, with the Fort Leavenworth Military Reservation to the north and the City of Leavenworth to the south. Individual businesses and other land uses within the City limits are not shown on the topographic maps as this level of detail is not possible at the scale of the maps.

4.4.5 Local Street Directories

No local street directories ("city directories") were available for review as part of this Phase I ESA.

5.0 SITE RECONNAISSANCE

5.0 SITE RECONNAISSANCE

LBG representatives conducted a site inspection at the Subject Properties on January 18 and 19, 2011. The site reconnaissance recorded surficial and visible conditions only. Such a review cannot be expected to reveal all hazardous materials or conditions that might be present on-site; the possibility exists that some hazardous materials or conditions might exist and not be detected because they are beyond the scope of this study. This ESA was conducted in a manner consistent with the level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to LBG representatives. Additional information not made available at the time of this report's preparation may result in the modification of the information presented herein.

The weather was cloudy and cold with a temperature of about 22° Fahrenheit (F) during the inspection of the East Site on January 18 and cloudy with some snow flurries and a temperature of about 17° F during the inspection of the West Site on January 19. Heavier snow began around 2:00 p.m. on January 19 resulting in several inches of snow cover. During the site inspection there was some patchy snow cover of about 0 to 6 inches depth resulting from a storm the previous week, but most of the ground surface was exposed.

During inspection of the FPC, LBG representatives were accompanied by Mr. Thomas Sheldrake, the FPC Administrator and by Mr. J.D. Horst, Assistant Safety Manager of the USP. Prior to the FPC inspection, LBG representatives also met with Mr. Scott Whitson, Facilities Administrator for the BOP North Central Region and Mr. Jeff Cottingham, Facilities Manager for the USP. Photographs taken during the site visits are included as Appendix D.

Accessible portions of the Subject Properties were viewed by walking across open areas of the Subject Properties. Most of the Subject Properties were visible via walking the perimeters and hiking paths and roadways transecting them. The exceptions were the FPC, which was inspected separately as described below, and a forested area on the north end of the East Site, which was inspected via transects of this forested area, and was partially fenced off.

5.1 METHODOLOGY AND LIMITING CONDITIONS

LBG toured the Subject Properties via accessible roads and pathways. The interiors of the residences on the East Site were not viewed. Observations are limited to what could be seen while touring the Subject Properties from available vantage points.

5.2 GENERAL SITE SETTING

The Subject Properties consist of largely open land to the east and west of the existing USP Leavenworth facility. The East Site consists of open land, forested land, and residences along Metropolitan Avenue. The West Site consists of open land, the buffalo pasture, and the FPC. The Subject Properties are located between the City of Leavenworth to the south and Fort Leavenworth to the north. Additional descriptions of the Subject Properties and surrounding area are contained in Section 2.0.

5.3 EXTERIOR OBSERVATIONS

Vegetation on the site consists of tall grass prairies species. Currently, the vegetation is primarily grass which is mowed in places by USP personnel. However, several tree species including oak and hickory are present, primarily along drainage gullies and ponds. Wildlife observed on the Subject Properties during the site reconnaissance included deer, wild turkeys, and multiple other bird species (birdhouses and signage for the Fort De Cavagnial Nesting Trail of the Bluebird Recovery Project were observed on-site).

The exterior of the East Site consisted of open meadow, with rolling hills and scattered trees. Two ponds are located on the East Site as described in Sections 2.2.5 and 4.1.9. There are impoundments constructed adjacent to these ponds, and they are partially enclosed by fencing. There are gullies transecting the East Site through which surface water drains, as described in Section 2.2.5. Some dumping of brush and construction debris (brick and concrete) was observed in the gullies. An area of two piles of dirt, apparent "borrow piles" for minor construction projects at the USP were observed north of the residences on the East Site. Some litter was observed along the banks of Corral Creek on the northern boundary of the East Site but no major dumping was observed. Groundwater monitoring wells from previous subsurface investigations were observed on portions of the East Site.

The southern portion of the West Site is dominated by the buffalo pasture, which is an enclosed paddock housing 10 to 20 bison that are attended to by inmates and BOP personnel.

Some disturbances to the Subject Properties have occurred. The east-flowing drainage in the center of the East Site has been dammed to create a large pond. Another drainage gully at the north side of the East Site also has been dammed to create a pond.

Water mains have been installed along the southern boundary of the East Site along Metropolitan Avenue. An electrical easement extends through the center of the East Site, and along the northern margin of the West Site. A line of utility poles runs northward through the East Site. Electrical transformers are located near the houses along Metropolitan Avenue. According to BOP personnel and labels on these transformers, the oil used in the transformers is free of PCBs. Two gas mains currently transect the East Site and are maintained by Southern Star Central Gas Pipeline. One of these runs along the eastern part of the East Site from Metropolitan Avenue to Fort Leavenworth to the north. The second gas main runs from east of the East Site across the USP to the northwest where it crosses the northern portion of the West Site.

Water mains have been installed along the north, west, and south sides of the buildings in the FPC Site. A water easement extends through the western quarter of the buffalo pasture and near the western boundary of the FPC Site. A fiber optic cable easement reportedly extends along the access road from the FPC to the USP Credit Union across Santa Fe Trail.

An electrical easement extends through the center of the East Site, then turns northwesterly in the north portion of the East Site and along the northern margin of the West Site.

5.4 INTERIOR OBSERVATIONS

The only structures on the East Site are the BOP residences located along the southern boundary of the East Site on Metropolitan Avenue. These houses are grouped in three clusters and some have storage

sheds in the rear. The interiors of these buildings were not inspected, and BOP personnel indicated that the only hazardous materials contained in the residences were typical household cleaners, paints, and incidental amounts of petroleum products such as motor oil.

The West Site is partially occupied by the FPC, which has two main structures, the original dormitory structure and the newer Visitors' Center. There is also a sewage lift station that serves the FPC, which is located southeast of the two main structures.

The FPC is enclosed by security fencing. The Visitors' Center contains a waiting area, vending machines, and a visiting area. There is an exterior walkway and picnic table area between the Visitors' Center and the main FPC. Other exterior portions of the FPC include recreational fields.

The main FPC building includes dormitory halls, a kitchen and dining hall, recreational rooms, and office space. The FPC kitchen contains a 200-gallon grease trap that is pumped out by an outside contractor on a quarterly basis. Floor drains in the kitchen discharge to the wastewater system. Refrigeration storage units are located on the exterior of the main FPC building. Solid waste is transported off-site by a private contractor to the Leavenworth municipal landfill. The basement of the main FPC building contains utility piping and electrical equipment. The heat for both FPC buildings is supplied by steam from the existing USP Powerhouse. Some standing water (< 0.5 inch) was observed in the FPC building basement during the site reconnaissance.

Water is supplied to buildings on the East and West Sites by the City of Leavenworth. City-supplied water is stored in reservoirs (tanks) located on the existing USP Leavenworth. Sewage service is also provided by the City of Leavenworth. Heat and electricity are distributed from the main USP power plant, which is fueled by natural gas. Natural gas has been the fuel source to the USP since 1928 (BOP, 1964). An electrical utility easement transects the East Site from south to north.

The ASTM Standard E-1527 for a Phase I ESA does not include evaluation of potential ACBMs, radon gas or lead-based paint. Therefore, no survey of these hazardous building materials was conducted as part of this Phase I ESA. However, ACBMs and lead-based paint are known to be present in buildings on the Subject Properties. Other potential hazardous building materials in structures on the Subject Properties may include PCBs in fluorescent light ballasts, etc. Management and proper disposal of hazardous building materials will be required for any proposed building demolitions.

6.0 INTERVIEWS

6.0 INTERVIEWS

LBG inquired as to the availability, for interviews, of past owners, operators, and occupants of the Subject Properties who were likely to have material information regarding the potential for contamination at the Subject Properties, to the extent that such persons could be identified. Information received is described below.

6.1 INTERVIEWS WITH OWNER

The current owner of the Subject Properties is the BOP. Mr. Thomas Sheldrake, FPC Administrator provided information on history of the Subject Properties, information about the operations of the FPC and a tour of the FPC facility. Mr. J.D. Horst, Assistant Safety Manager of the USP, Mr. Scott Whitson, Facilities Administrator for the BOP North Central Region and Mr. Jeff Cottingham, Facilities Manager for the USP were also interviewed as representatives of the owner.

6.2 INTERVIEWS WITH SITE MANAGER

Mr. Thomas Sheldrake, owners' representatives of the Subject Properties, also acts as Site Manager.

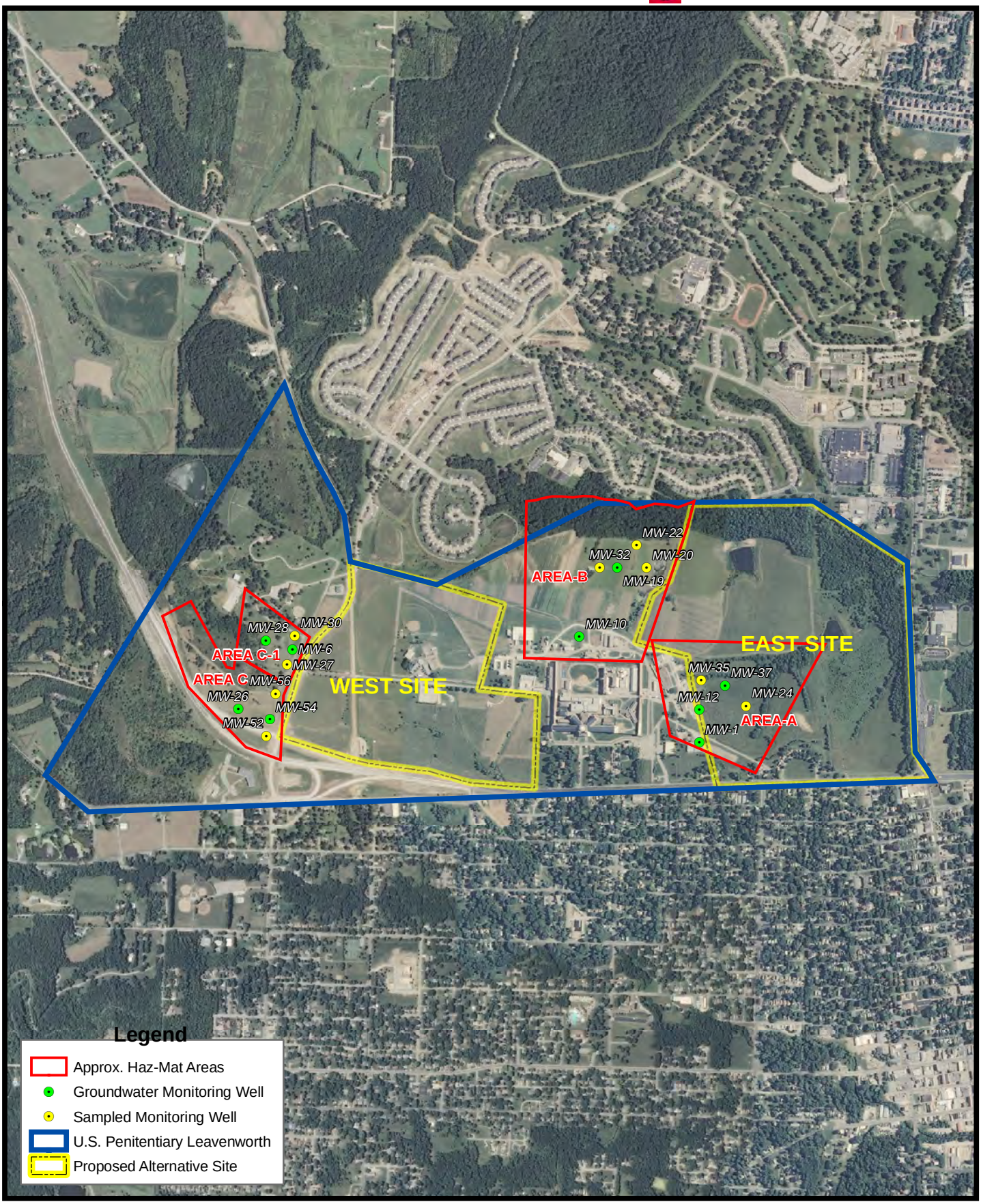
6.3 INTERVIEWS WITH OCCUPANTS

The BOP also serves as the sole occupant of the Subject Properties.

6.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

LBG also conducted an interview with Mr. Joseph Dom, the KDHE Project Manager for the ongoing subsurface investigations, remediation, and groundwater monitoring at USP Leavenworth. Mr. Dom indicated that the KDHE does not allow construction over "Closed Solid Waste Sites." The Areas A, B, and C are considered Closed Solid Waste Sites because of historical waste disposal in these areas. The concerns related to construction over a landfill site are generation of methane or other hazardous gases as well as ground subsidence. Construction could also damage clay caps constructed over these areas as a remedial measure to prevent rainwater from percolating through waste materials. The KDHE also sent a letter to the BOP dated January 19, 2011 indicating that should construction expose any wastes, these wastes must be transported to and disposed of at a KDHE approved landfill.

The KDHE does not have any survey data reflecting legal limits of the USP Leavenworth hazardous waste sites; there is no deed restriction or Activity and Use Limitation with an attached legal survey description. Therefore, the locations of Areas A, B, and C as shown on Exhibit 4 are approximate, as transferred from GBA reports and plans. LBG contacted GBA to determine whether they had survey data delineating the locations of these hazardous waste sites, but they indicated there was no readily available data and that a search of their archives would be a time consuming process that may not turn up any data. Therefore, it is important to note that although there were extensive subsurface investigations done on the UPS Leavenworth property, the locations of Areas A, B and C on project plans are approximate.



0 500 1,000 2,000 3,000 Feet

N
W E
S

Source: USGS, Kansas GIS

Exhibit 4
HAZARDOUS WASTE SITES
USP LEAVENWORTH

6.5 INTERVIEWS WITH THE PUBLIC

Following a NEPA Public Scoping Meeting held on January 20, 2011 at the City of Leavenworth's Riverfront Community Center facility, two individuals approached LBG personnel and claimed to possess information about the Subject Properties including an incident in which some railroad ties were burned on the USP Training Center west of the West Site. LBG was already aware of such past practices from conversations with USP personnel. No additional information has been provided at the time of this report.

7.0 FINDINGS

7.0 FINDINGS

LBG has completed a Phase I ESA for the Subject Properties located on the USP property in Leavenworth, Leavenworth County, Kansas and identified as the East Site and West Site. This Phase I ESA has been prepared in conjunction with various feasibility and other studies associated with the possible development of a new FCI on the USP Leavenworth property. The Phase I ESA was conducted in conformance with ASTM Standards. The Phase I ESA was based on a site inspection, interviews with personnel familiar with the site, a review of available files and historical records, and the findings of an environmental database report. The purpose of the Phase I ESA was to help identify RECs at the Subject Property and to determine that the potential need for a Phase II ESA prior to the proposed use of the Subject Properties.

During the Phase I ESA process, a situation may be encountered that would require additional appropriate investigative work in order to satisfy the all-appropriate inquiry into the Subject Properties. For example, it may be possible that a building reconnaissance could not be performed in a portion of a facility with a history that included the use or disposal of hazardous substances. Due to the lack of information, or "data gap" about that particular portion of the facility, the presence of released hazardous materials must be assumed and considered an REC. LBG did not enter the residential buildings located on the East Site during the site reconnaissance. However, this is not considered a data gap as the nature of potential hazardous materials inside of these houses is understood to be typical of a residential property. Proper disposal of potential hazardous materials and hazardous building materials would be required in the event of a potential demolition of these buildings.

7.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on the data obtained during the site inspection, subsequent regulatory and records review, and interviews with persons familiar with the Subject Properties and their history, LBG identified the following RECs:

- There are three identified hazardous waste sites located within or adjacent to the boundaries of the Subject Properties. Area A consists of several former landfill areas and the boundaries of Area A are located almost entirely within the East Site (Exhibit 4). The waste disposal areas within Area A have been capped, but the source of contaminants was not removed. Groundwater monitoring results have indicated that no contaminants are migrating from Area A off-site or to other areas of the East Site. Construction of buildings within Area A could be restricted by KDHE limitations for construction in a former landfill area. In addition to potential KDHE restrictions, other concerns related to potential construction within the boundaries of Area A include methane gas generated by decaying wastes, which could present a health and safety danger during and following construction; and ground subsidence due to non-compacted landfill soils could impede construction or result in building damage following construction.

  In addition to the delineated Area A, there are two ponds (Ponds 1 and 2) located within the East Site that reportedly contain contaminated sediments. These ponds have been dammed as part of remedial measures designed to keep contaminated sediments from migrating downstream toward Corral Creek and the Missouri River. Land grading plans that included

draining or filling of these ponds, or removal of the dam structures would require KDHE review and approval. The volume of sediments in these ponds is unknown. Remediation of sediments (e.g. excavation and off-site disposal) may be required prior to reuse of these portions of the East Site.

- Area B consists of another former landfill located north of the existing USP between the East Site and West Site. Groundwater monitoring results have indicated that no contaminants are migrating from Area B off-site and that recently monitored concentrations of contaminants in groundwater do not exceed KDHE cleanup standards.

- Area C consists of the former cemetery landfill located west of the West Site. Groundwater monitoring results have indicated that no contaminants are migrating from Area C off-site or to the West Site.

- Adjacent properties have had documented releases of oil or hazardous materials that have the potential to migrate via groundwater toward the Subject Properties. The USP Leavenworth has been operated for over 100 years and was formerly a part of the Fort Leavenworth Army Base and a wide range of waste materials, potentially including oil and hazardous wastes, or unexploded ordinances, could have been disposed of on the Subject Properties over the years. There are multiple waste disposal areas on the adjacent Army Fort Leavenworth property, including one "FTL-65" located immediately north of the West Site, and two sites ("FTL-13" and "FTL-35") located north of the East Site, opposite Corral Creek. Fort Leavenworth is located opposite Corral Creek, which forms a natural drainage divide between the Army Base and the USP property, from the Subject Properties and there is no known evidence that contamination from Fort Leavenworth has migrated to the Subject Properties. However, the location of Fort Leavenworth adjacent to and upgradient from the Subject Properties, with a long history of hazardous materials use and on-site waste disposal, represents a REC with respect to the Subject Properties.

Oil or hazardous materials are used on additional properties adjacent to the Subject Properties (e.g., gasoline service stations along Metropolitan Avenue) and there are several listed SHWS, LUST, and Spills sites located in the vicinity of the Subject Properties. However, these properties are located down-gradient from the Subject Properties and at a substantial distance where they are not considered RECs.

7.2 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

LBG did not identify any Historical RECs (i.e., a condition that would have been a REC in the past but may or may not currently exist) in connection with the Subject Properties. Although no specific historical RECs have been identified with respect to the Subject Properties, the USP has been operated for over 100 years and was formerly part of the Fort Leavenworth Army Base. Despite the extensive previous subsurface investigations conducted across the USP, it is still possible that additional waste materials, potentially including unexploded ordnance, could have been disposed of on the Subject Properties.

7.3 BUSINESS ENVIRONMENTAL RISKS

The KDHE Project Manager for the remediation and monitoring of the identified hazardous waste sites Areas A, B, and C is Mr. Joseph Dom. The KDHE in personal conversation and a letter dated January 19, 2011 has indicated that the KDHE does not allow construction over "Closed Solid Waste Sites." Areas A,

B and C are considered Closed Solid Waste Sites because of historical waste disposal in these areas. The concerns related to construction over a landfill site are generation of methane or other hazardous gases as well as ground subsidence. Construction could also damage clay caps constructed over these areas as a remedial measure to prevent rainwater from percolating through waste materials. The KDHE has indicated that should construction expose any wastes, these wastes must be transported to and disposed of at a KDHE approved landfill. For these reasons, the presence a Closed Solid Waste Site, Area A within the potential proposed development footprint of the East Site, could present a business environmental risk to an owner or occupant of the property because of environmental and regulatory issues associated with development of this portion of the East Site, including matters such as engineering, maintenance, safety, compliance, and liability. The management of such risks could involve legal and financial considerations. As noted in Section 6.4, the mapping of hazardous waste site Area A is approximate; the BOP should consider a buffer area around Area A if development is to be conducted on the East Site, or a program of subsurface exploration to ensure that no buried waste or capped areas will be disturbed as part of potential development. Any buffer zone selection or subsurface exploration should be conducted in consultation with the KDHE.

The buildings at the FPC on the West Site are known to contain asbestos or lead-based paint. Testing for these materials would need to be conducted prior to demolition of the FPC buildings. If asbestos or lead-based paint are present in the residential buildings on the East Site, these materials must also be disposed of according to proper federal, state, and local laws prior to potential demolition of those buildings.

7.4 *DE MINIMIS* CONDITIONS

RECs do not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of a regulatory enforcement action. No *de minimis* conditions were identified with respect to the Subject Properties.

8.0 OPINION

8.0 OPINION

Based on the findings of this ESA, LBG believes that the RECs identified would warrant further action depending on the development site selected for the proposed new FCI and FPC. A Phase I ESA normally results in a recommendation as to whether a Phase II ESA (i.e., subsurface investigation) is necessary. In the case of the Subject Properties, extensive subsurface investigations have already been conducted as part of larger environmental investigations and remediation on the main USP Leavenworth property. Because of the long history of on-site waste disposal, some additional subsurface investigations in advance of potential construction should be considered. The specific scope and cost of potential additional investigations would be developed in conjunction with the BOP and presented under separate cover.

LBG understands that development of the East Site would likely include draining and filling of the two surface water ponds on that property. In addition to wetland permitting requirements for draining the ponds, these ponds constitute a portion of the hazardous waste sites on the main USP property that are undergoing remediation and monitoring under KDHE oversight. Management and/or remediation of sediments from these ponds would likely be required by KDHE prior to the development and reuse of these portions of the East Site. Collection of sediment quality data to determine the volume of potentially contaminated sediments would be necessary to assist in the management of these materials during construction. These data could be collected by advancing a series of borings through the pond sediments and performing laboratory analysis on sediment samples for VOCs, SVOCs, PCBs, pesticides, metals and TPH.

If development of the East Site was to include the designated hazardous waste site Area A, it should be done in coordination with the KDHE in order to avoid the disturbance of buried waste materials or landfill cap areas. The mapping of hazardous waste site Area A is approximate. Any proposed work within Area A or remediation of waste materials in Area A should be coordinated with the KDHE. A program of subsurface exploration near the western and southern extent of proposed East Site developments should be conducted to ensure that no buried hazardous materials are present in this area that would present health and safety issues during construction or potential methane generation and vapor intrusion issues following construction.

Development of the West Site presents fewer issues with respect to hazardous waste disposal since the West Site is located outside of designated hazardous waste areas. However, demolition of the existing FPC would require proper management of demolition debris, including ACBMs, lead-based paint and any additional hazardous building materials located in the FPC structures.

Although extensive subsurface investigations, which have been conducted at the USP since 1991, have not identified any contamination issues in area of the West Site, it would still be prudent to collect site-specific soil and groundwater environmental data in the footprint of the proposed facilities prior to development of the West Site. In lieu of or in addition to such subsurface investigation, it is recommended that a soil management plan be prepared prior to potential development and reuse of the West Site in the event that contaminated soil and/or groundwater are identified during construction activities.

9.0 CONCLUSIONS

9.0 CONCLUSIONS

LBG performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-05. This Phase I ESA was conducted in conjunction with various feasibility and other studies associated with the possible development of a new FCI and FPC proposed for construction adjacent to the existing USP Leavenworth. The Phase I ESA was conducted on two properties located immediately adjacent to the existing USP Leavenworth that are designated as the East Site and the West Site. This assessment has revealed evidence of RECs in connection with the property as listed in Section 7.1.

Although extensive subsurface investigations have been conducted at the USP since 1991, it would still be prudent to collect site-specific soil and groundwater environmental data in the footprint of proposed facilities prior to construction (and perhaps during the NEPA process) as described in Section 8. In lieu of or in addition to this proposed investigation, the Construction Specifications and the Health and Safety Plan for proposed construction should contain emergency response and contingency procedures for encountering unknown wastes and hazardous materials during construction.

10.0 DEVIATIONS

10.0 DEVIATIONS

No deviations from ASTM Standard Practice E1527-05 were noted for this Phase I ESA.

11.0 ADDITIONAL SERVICES

11.0 ADDITIONAL SERVICES

The scope of work for this ESA did not address other non-scope considerations, including, but not limited to:

- Wetlands protection;
- Regulatory compliance;
- Cultural and historic resources;
- Industrial hygiene (including ACBM and lead paint surveys);
- Health and safety;
- Ecological resources;
- Air quality;
- Biological agents;
- Mold;
- Flood hazards;
- Electromagnetic fields;
- Seismic hazards;
- Stormwater management or drainage;
- Structural engineering or integrity;
- Geotechnical engineering; or
- Public safety.

12.0 REFERENCES

12.0 REFERENCES

12.1 DOCUMENTS

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12.2 PERSONAL COMMUNICATIONS

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13.0 STATEMENT OF LIMITATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

13.0 STATEMENT OF LIMITATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This Phase I ESA was limited to the review of available records, interviews with local officials and persons familiar with the Subject Properties, and an on-site visual inspection. This assessment has been performed in conjunction with various feasibility studies and does not involve the purchase or transfer of land ownership. The site inspection was limited to observation of surficial conditions only. Such an inspection cannot be expected to reveal all petroleum or hazardous materials contamination that might be present on-site; some hazardous materials or conditions may not be detected because they are beyond the scope of this study. The investigation was conducted in a manner consistent with that level of care and skill exercised by environmental professionals currently practicing under similar conditions and was based on information made available to the representatives of LBG. All documents prepared by or furnished by LBG pursuant to this project are to be used in the context of the scope of services contracted. This document is not intended or represented to be suitable for reuse by the client or others on modifications of the project scope. Reuse or release to third parties without the expressed written permission of LBG is prohibited.

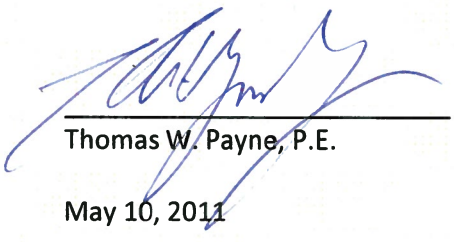
The environmental professionals whose signatures are provided below performed and reviewed this Phase I ESA. We declare that, to the best of our knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Properties. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

PREPARED BY:

Douglas Ganey, REA, CPG

DATE: May 10, 2011

REVIEWED BY:



Thomas W. Payne, P.E.

DATE: May 10, 2011

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

14.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The environmental professionals whose principal qualifications are identified below performed and reviewed this environmental site assessment.

Douglas Ganey is a Registered Environmental Assessor (No. 07067) in the State of California, and a Certified Professional Geologist (No. 10868) with the American Institute of Professional Geologists, with over 19 years of experience conducting environmental site assessments.

Thomas Payne is a Principal Environmental Engineer with The Louis Berger Group, Inc., with 15 years of experience in the development and supervision of environmental projects for various government and private sector clients. His responsibilities have included the participation in the preparation of Environmental Impact Statements (EISs), Environmental Assessments (EAs), Phase I and Phase II Environmental Site Assessments (ESAs), and environmental permitting for projects in accordance with various federal laws, including the NEPA, the Clean Water Act, NPDES, and applicable state environmental laws within multiple states across the U.S.

Appendix E contains supporting documentation of the qualifications of the environmental professionals identified above, and the personnel who conducted the site reconnaissance and interviews in this Phase I ESA.

APPENDIX A
REGULATORY RECORDS DOCUMENTATION

BOP Leavenworth Proposed Sites
1300 Metropolitan Ave.
Leavenworth, KS 66048

Inquiry Number: 2964951.3s
January 12, 2011

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1300 METROPOLITAN AVE.
LEAVENWORTH, KS 66048

COORDINATES

Latitude (North):	39.327800 - 39° 19' 40.1''
Longitude (West):	94.934800 - 94° 56' 5.3''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	333227.4
UTM Y (Meters):	4354730.0
Elevation:	870 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	39094-C8 LEAVENWORTH, KS
Most Recent Revision:	1984

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006, 2007, 2008
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
US FEDERAL PENITENTIARY 1300 METROPOLITAN LEAVENWORTH, KS	LUST Facility Status: Closed	N/A
US PENITENTIARY 1300 METROPOLITAN LEAVENWORTH, KS 66048	SWF/LF UST AST AIRS	N/A
1300 METROPOLITAN AVE 1300 METROPOLITAN AVE LEAVENWORTH, KS	ERNS	N/A
1300 METROPOLITAN 1300 METROPOLITAN LEAVENWORTH, KS 66048	SPILLS	N/A

EXECUTIVE SUMMARY

1300 METROPOLITAN 1300 METROPOLITAN FORT LEAVENWORTH, KS 66048	SPILLS Facility Status: 1987-05-04	N/A
1300 METROPOLITAN 1300 METROPOLITAN LEAVENWORTH, KS 66048	ERNS	N/A
1300 METROPOLITAN 1300 METROPOLITAN LEAVENWORTH, KS 66048	ERNS	N/A
1300 METROPOLITAN AVE, 2 PONDS DI 1300 METROPOLITAN AVE, 2 PONDS DIRECTLY NORTH OF PRISON LEAVENWORTH, KS 66048	ERNS	N/A
UNITED STATES PENITENTIARY LEAVEN 1300 METROPOLITAN AVENUE LEAVENWORTH, KS 66048	CERCLIS RCRA-SQG FTTS HIST FTTS PADS FINDS MANIFEST	KS4151909120
UNITED STATES PENITENTIARY 1300 METROPOLITAN LEAVENWORTH, KS 66048	FTTS HIST FTTS	N/A
FBOP LEAVENWORTH 1300 METROPOLITAN LEAVENWORTH, KS 66048	FINDS	N/A
US PENITENTIARY-BUREAU OF PRISONS 1300 METROPOLITAN AVE LEAVENWORTH, KS 66048	FTTS HIST FTTS	N/A
US PENITENTIARY-LEAVENWORTH 1300 METROPOLITAN AVE LEAVENWORTH, KS 66048	SHWS Facility Status: Active Facility Status: Active **Additional key fields are available in the Map Findings section* SPILLS Facility Status: 2006-12-21 Facility Status: 2009-01-13 **Additional key fields are available in the Map Findings section* TIER 2	N/A
1300 METROPOLITAN AVE 1300 METROPOLITAN AVE LEAVENWORTH, KS 0	ERNS	N/A

EXECUTIVE SUMMARY

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 CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

State and tribal leaking storage tank lists

LAST ---------- Leaking Aboveground Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST ---------- Underground Storage Tanks on Indian Land

FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL ---------- Institutional Controls Information

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Identified Sites List

State and tribal Brownfields sites

BROWNFIELDS ---------- Identified Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
AOCONCERN ---------- Area of Concern
CDL ---------- Clandestine Laboratory Data
US HIST CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information
LUCIS ---------- Land Use Control Information System

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
ROD ---------- Records Of Decision
UMTRA ---------- Uranium Mill Tailings Sites
MINES ---------- Mines Master Index File
TRIS ---------- Toxic Chemical Release Inventory System
TSCA ---------- Toxic Substances Control Act
SSTS ---------- Section 7 Tracking Systems
ICIS ---------- Integrated Compliance Information System
MLTS ---------- Material Licensing Tracking System

RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
UIC ..... Underground Injection Wells Database Listing
DRYCLEANERS ..... Registered Drycleaning Facilities
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER ..... PCB Transformer Registration Database
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
COAL ASH ..... Coal Ash Disposal Site Listing
COAL ASH DOE ..... Sleam-Electric Plan Operation Data

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

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 01/29/2010 has revealed that there is 1 CERCLIS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MERCURY-NORTH BROADWAY ST.	407 N. BROADWAY	SE 1/2 - 1 (0.841 mi.)	D32	80

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Health & Environment's list: Summary of Bureau of Environmental Remediation Sites in Kansas.

A review of the SHWS list, as provided by EDR, and dated 11/15/2010 has revealed that there is 1 SHWS

site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBERT E. DORAN III PROPERTY Facility Status: Active Facility Status: Active **Additional key fields are available in the Map Findings section*	1320 OTTAWA	S 1/4 - 1/2 (0.382 mi.)	C25	70

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Health & Environment's Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collectors in Kansas.

A review of the SWF/LF list, as provided by EDR, and dated 10/27/2010 has revealed that there is 1 SWF/LF site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
USP LEAVENWORTH SITE B (052-US		NNW 1/8 - 1/4 (0.226 mi.)	17	55

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Kansas Department of Environmental Protection's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 08/20/2010 has revealed that there are 46 LUST sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMOCO SERVICE STATION #6823 Facility Status: Monitor	1101 METROPOLITAN	E 1/8 - 1/4 (0.235 mi.)	B20	62
E-Z SHOP Facility Status: Monitor	11 & METROPOLITAN	E 1/8 - 1/4 (0.237 mi.)	B21	63
SOUTHWESTERN BELL TELEPHONE Facility Status: Closed	16623 SHAWNEE RD.	WSW 1 - 2 (1.423 mi.)	59	110
CUSHING MEMORIAL HOSPITAL Facility Status: Closed	***711 MARSHALL***	***SSE 1 - 2 (1.647 mi.)***	***70***	***115***
KDOT, LEAVENWORTH Facility Status: Closed Facility Status: Closed **Additional key fields are available in the Map Findings section*	16486 SPRINGDALE	SW 1 - 2 (1.809 mi.)	71	116
STEVE'S APCO Facility Status: Monitor	1700 10TH (10TH & PENNS	SSE 1 - 2 (1.907 mi.)	73	117

Lower Elevation	Address	Direction / Distance	Map ID	Page
KDOT Facility Status: Closed		SW 0 - 1/8 (0.004 mi.)	A15	55

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
FAIL PROPERTY Facility Status: Closed	1347 METROPOLITAN	W 1/8 - 1/4 (0.150 mi.)	16	55
CAPITOL ELECTRIC Facility Status: Closed Facility Status: Closed	1320 OTTAWA	S 1/4 - 1/2 (0.382 mi.)	C26	73
LEAVITT PROPERTY Facility Status: Closed	743 METROPOLITAN	E 1/2 - 1 (0.659 mi.)	27	73
USD 207, PATTON JUNIOR HIGH Facility Status: Closed	5 GRANT AVENUE	E 1/2 - 1 (0.739 mi.)	28	74
SINCLAIR RETAIL Facility Status: Closed	***627 METROPOLITAN***	***E 1/2 - 1 (0.803 mi.)***	***29***	***74***
DORIS GET & GO Facility Status: Closed	111 N BROADWAY	SE 1/2 - 1 (0.976 mi.)	E36	90
FOREMOST DAIRY (FORMER) Facility Status: Closed	753 SHAWNEE	SE 1/2 - 1 (0.988 mi.)	E37	90
Not reported Facility Status: Closed	744 SHAWNEE	SE 1/2 - 1 (0.989 mi.)	E38	90
FORMER CAR DEALERSHIP Facility Status: Closed	4TH & CHEYENNE	E 1 - 2 (1.016 mi.)	39	91
PELLMAN OIL, FORMER Facility Status: Monitor	201 S BROADWAY	SE 1 - 2 (1.034 mi.)	F40	91
THOMAS OIL CO Facility Status: Monitor	***210 S BROADWAY***	***SE 1 - 2 (1.038 mi.)***	***F41***	***91***
KERN'S SERVICE STATION Facility Status: Closed Facility Status: Closed	***748 DELAWARE***	***SE 1 - 2 (1.077 mi.)***	***G42***	***93***
FIRESTONE #4455 Facility Status: Closed	714 DELAWARE ST	SE 1 - 2 (1.108 mi.)	G43	95
SW BELL TELEPHONE Facility Status: Closed	615 SHAWNEE	SE 1 - 2 (1.130 mi.)	44	96
NORGE VILLAGE Facility Status: Closed	***716 CHEROKEE***	***SE 1 - 2 (1.144 mi.)***	***H45***	***96***
LEXECO SHOP Facility Status: Closed Facility Status: Closed	***715 CHEROKEE***	***SE 1 - 2 (1.148 mi.)***	***H46***	***99***
TOM'S SERVICE Facility Status: Monitor	7TH & CHEROKEE	SE 1 - 2 (1.173 mi.)	H47	101
AMOCO Facility Status: Closed	4TH & MIAMI	ESE 1 - 2 (1.198 mi.)	48	101
COLLARD CHEVROLET CO Facility Status: Closed	***6TH & CHEROKEE***	***SE 1 - 2 (1.227 mi.)***	***49***	***101***
LEAVENWORTH, CITY HALL Facility Status: Closed	100 N 5TH (& SHAWNEE)	ESE 1 - 2 (1.303 mi.)	I50	102
LEXECO Facility Status: Closed	6TH & SHORT	SE 1 - 2 (1.304 mi.)	51	103
US POST OFFICE & FEDERAL BLDG Facility Status: Closed	330 SHAWNEE	ESE 1 - 2 (1.316 mi.)	I52	103

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
PETRO PANTRY # 7 Facility Status: Closed	801 SPRUCE	SSE 1 - 2 (1.321 mi.)	J53	103
WOOD OIL CO. #1 Facility Status: Monitor Facility Status: Monitor	***788 SPRUCE***	***SSE 1 - 2 (1.337 mi.)***	***J54***	***104***
JERRY'S 66 SERVICE Facility Status: Closed	400 CHEROKEE	ESE 1 - 2 (1.346 mi.)	K55	107
MCI, QUINDARO Facility Status: Closed	18TH ST	SSW 1 - 2 (1.349 mi.)	56	107
PHILLIPS 66, LEAVENWORTH Facility Status: Closed	4TH & CHEROKEE	ESE 1 - 2 (1.349 mi.)	K57	107
COOK OIL Facility Status: Closed	***19TH & SPRUCE***	***SSW 1 - 2 (1.413 mi.)***	***58***	***108***
USD 453, SERVICE CENTER Facility Status: Closed	3RD & CHOCATU	ESE 1 - 2 (1.469 mi.)	L62	112
CASEYS GENERAL STORE Facility Status: Closed	2004 SPRUCE	SW 1 - 2 (1.485 mi.)	63	112
FT LEAVENWORTH, HOGE BARRACKS Facility Status: Closed	BLDG 695, 214 GRANT AVE	NNE 1 - 2 (1.500 mi.)	M64	112
US ARMY-HOGE BARRACKS Facility Status: Closed	214 GRANT AVE., HOGE BA	NNE 1 - 2 (1.500 mi.)	M65	113
LEAVENWORTH COUNTY COURTHOUSE Facility Status: Closed Facility Status: Closed **Additional key fields are available in the Map Findings section*	300 WALNUT ST.	SE 1 - 2 (1.567 mi.)	N66	113
LEAVENWORTH CO, JAIL Facility Status: Closed	503 S 3RD	SE 1 - 2 (1.570 mi.)	N67	114
GURSKI'S USED CAR LOT Facility Status: Closed Facility Status: Closed	822 S 5TH	SE 1 - 2 (1.587 mi.)	68	114
WKRP DEVELOPMENT Facility Status: Closed	817 S. 4TH ST.	SE 1 - 2 (1.636 mi.)	69	114
4TH ST. 66 STATION Facility Status: Closed	1325 4TH ST.	SSE 1 - 2 (1.851 mi.)	72	117
SINCLAIR RETAIL Facility Status: Closed	1300 S 4TH ST	SE 1 - 2 (1.961 mi.)	O74	117
? Facility Status: Closed	1326 S 4TH	SE 1 - 2 (1.978 mi.)	O75	118

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environment's UST (Report) Listing Including Names.

A review of the UST list, as provided by EDR, and dated 10/28/2010 has revealed that there are 3 UST

sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUND SERVICE INC	1101 METROPOLITAN	E 1/8 - 1/4 (0.235 mi.)	B19	59
WOOD OIL #26	1031 METROPOLITAN	E 1/4 - 1/2 (0.302 mi.)	22	63

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAPITAL ELECTRIC LINE	1320 OTTAWA	S 1/4 - 1/2 (0.381 mi.)	C24	67

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

SPILLS: Spills database from the Department of Health and Environment.

A review of the SPILLS list, as provided by EDR, and dated 11/08/2010 has revealed that there are 6 SPILLS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported Facility Status: 1981-12-22	11TH & METROPOLITAN	E 1/8 - 1/4 (0.235 mi.)	B18	56

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported Facility Status: 1990-08-13 00:00:00	1203 CHEROKEE	S 1/2 - 1 (0.809 mi.)	30	76
Not reported Facility Status: 2005-01-27	200 S 10TH ST	SSE 1/2 - 1 (0.819 mi.)	31	78
Not reported Facility Status: 2008-06-16	407 N BROADWAY ST	SE 1/2 - 1 (0.841 mi.)	D33	81
Not reported Facility Status: 2003-09-12 Facility Status: 2008-07-23	325 KANSAS AVE	NNE 1/2 - 1 (0.866 mi.)	34	83
Not reported Facility Status: 1987-12-04	721 OSAGE	ESE 1/2 - 1 (0.907 mi.)	35	87

Other Ascertainable Records

RCRA-NonGen: 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.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 RCRA-NonGen site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CAPITAL ELECTRIC LINE	***1320 OTTAWA***	***S 1/4 - 1/2 (0.381 mi.)***	***C23***	***65***

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
FORT LEAVENWORTH MILITARY RESE		N 1/8 - 1/4 (0.199 mi.)	0	54

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 12/31/2009 has revealed that there is 1 FUDS site within approximately 2 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KCDA NIKE 80-RADAR AREA		NE 1 - 2 (1.428 mi.)	60	110

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 2 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEAVENWORTH COAL GAS PLANT	319-321 CHOCTAW STREET	ESE 1 - 2 (1.441 mi.)	L61	111

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
FORBES (EX) ATLAS FAC S-1	CERCLIS
MISSOURI RIVER BRUSH & RUBBLE DSPL	CERCLIS-NFRAP
PLATTE CITY ASBESTOS DUMP	CERCLIS-NFRAP
PLATTE CITY MO WAREHOUSE	LUST,UST
WOOD OIL CO #24	UST
WOODS MINI MART #18	AST
WOODS MINI MART #24	AST
DNR BLUFF RD DRUM	RCRA-SQG
LEAVENWORTH CO HEALTH DEPT	FINDS,RCRA-NLR
SPARKYS AUTOMOTIVE	FINDS,RCRA-NLR
WOOD OIL CO	RCRA-NLR
DAVIS COLLISION REPAIR	RCRA-NLR
MIDWEST MARINE INC	FINDS,RCRA-CESQG
PLATTE COUNTY ROAD & BRIDGE	FINDS,RCRA-CESQG
73 HIGHWAY OUTSIDE OF LEAVENWORTH,	ERNS
LEAVENWORTH CO SD #2 TIMBERLAK	FINDS
LEAVENWORTH COUNTY RURAL WATER DIS	FINDS
LEAVENWORTH CO. S.D. #3 GLENWOOD E	FINDS
LEAVENWORTH CITY LANDFILL	FINDS
LEAVENWORTH CITY LANDFILL	FINDS

OVERVIEW MAP - 2964951.3s

- 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
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

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: BOP Leavenworth Proposed Sites	CLIENT: The Louis Berger Group
ADDRESS: 1300 Metropolitan Ave.	CONTACT: Doug Ganey
Leavenworth KS 66048	INQUIRY #: 2964951.3s
LAT/LONG: 39.3278 / 94.9348	DATE: January 12, 2011 2:54 pm

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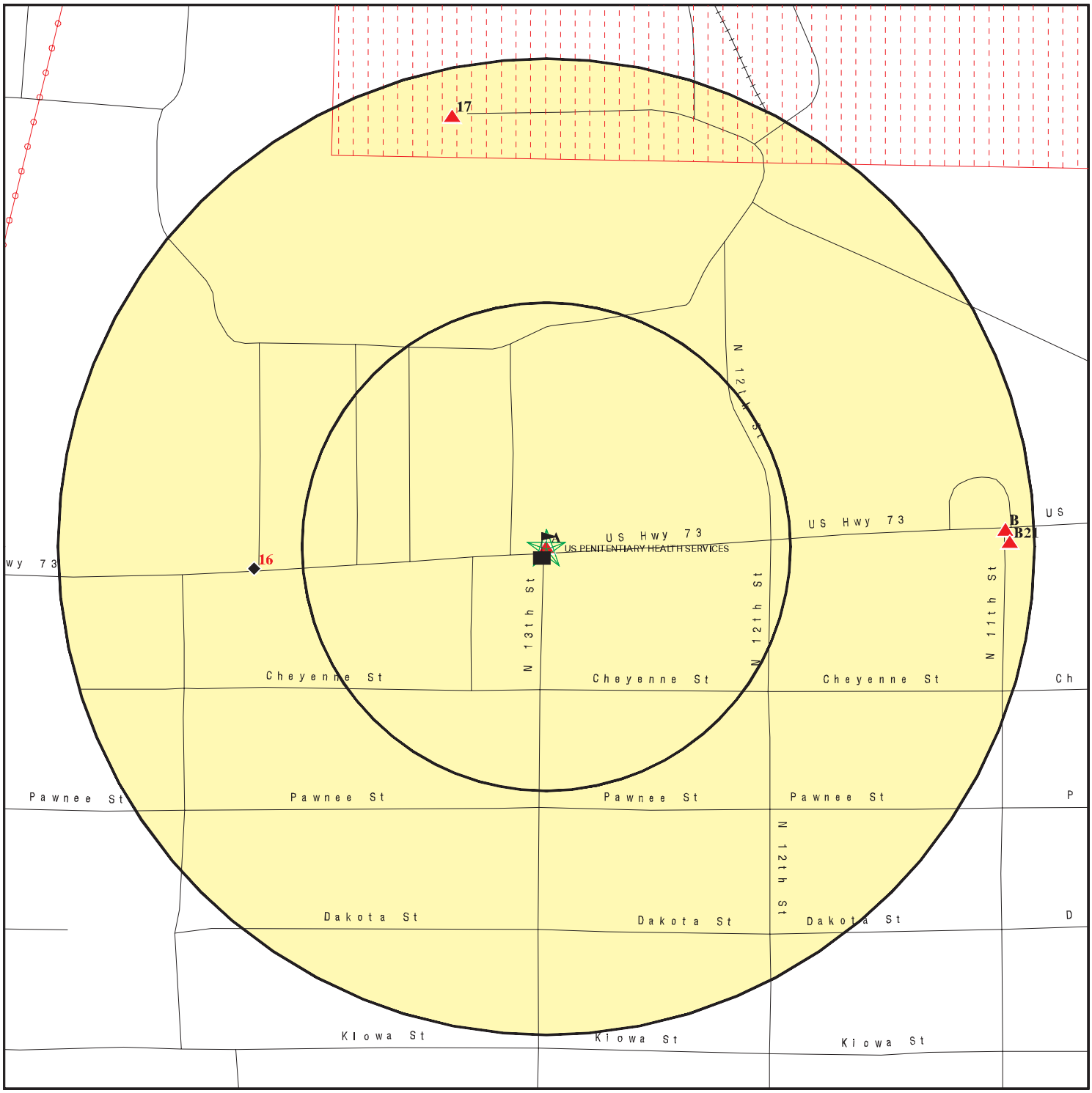
DETAIL MAP - 2964951.3s



- 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
- Power transmission lines
- Oil & Gas pipelines
- Areas of Concern

0 1/16 1/8 1/4 Miles

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: BOP Leavenworth Proposed Sites	CLIENT: The Louis Berger Group
ADDRESS: 1300 Metropolitan Ave. Leavenworth KS 66048	CONTACT: Doug Ganey
LAT/LONG: 39.3278 / 94.9348	INQUIRY #: 2964951.3s
	DATE: January 12, 2011 2:55 pm

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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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		2.000	0	0	0	0	0	0
Proposed NPL		2.000	0	0	0	0	0	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		2.000	0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS	X	1.000	0	0	0	1	NR	1
FEDERAL FACILITY		2.000	0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		1.000	0	0	0	0	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS		2.000	0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		1.000	0	0	0	0	NR	0
Federal RCRA generators list								
RCRA-LQG		0.500	0	0	0	NR	NR	0
RCRA-SQG	X	0.500	0	0	0	NR	NR	0
RCRA-CESQG		0.500	0	0	0	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
Federal ERNS list								
ERNS	X	TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	X	1.000	0	0	1	0	NR	1
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	X	1.000	0	1	0	0	NR	1
State and tribal leaking storage tank lists								
LUST	X	2.000	1	3	1	6	35	46
LAST		1.000	0	0	0	0	NR	0
INDIAN LUST		1.000	0	0	0	0	NR	0
State and tribal registered storage tank lists								
UST	X	0.500	0	1	2	NR	NR	3

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
AST	X	0.500	0	0	0	NR	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
FEMA UST		0.500	0	0	0	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		1.000	0	0	0	0	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		1.000	0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		1.000	0	0	0	0	NR	0
DEBRIS REGION 9		1.000	0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
AOCONCERN		2.000	0	0	0	0	0	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		1.000	0	0	0	0	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS	X	1.000	0	1	0	5	NR	6
Other Ascertainable Records								
RCRA-NonGen		0.500	0	0	1	NR	NR	1
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	1	0	0	NR	1
FUDS		2.000	0	0	0	0	1	1
CONSENT		2.000	0	0	0	0	0	0
ROD		2.000	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
MINES		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0

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
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS	X	TP	NR	NR	NR	NR	NR	0
HIST FTTS	X	TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS	X	TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.500	0	0	0	NR	NR	0
AIRS	X	TP	NR	NR	NR	NR	NR	0
TIER 2	X	TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		2.000	0	0	0	0	0	0
SCRD DRYCLEANERS		1.000	0	0	0	0	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH		1.000	0	0	0	0	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		2.000	0	0	0	0	1	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **US FEDERAL PENITENTIARY** **LUST** **S108194838**
Target **1300 METROPOLITAN** **N/A**
Property **LEAVENWORTH, KS**

Site 1 of 15 in cluster A

Actual:
870 ft.

LUST:

Facility ID:	25839
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	10/29/1990
Project Number:	U4-052-00249
Project Name:	Us Penitentiary
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

A2 **US PENITENTIARY** **SWF/LF** **U000872923**
Target **1300 METROPOLITAN** **UST** **N/A**
Property **LEAVENWORTH, KS 66048** **AST**
AIRS

Site 2 of 15 in cluster A

Actual:
870 ft.

SWF/LF:

Permit Number:	Not reported
Owner Type:	State/Federal Landfill
Owner Name:	Federal Bureau of Prisons USP Leavenworth
Facility Phone:	913-682-8700
Permit Type:	Composting
Contact Name:	William Howell
Mail Address:	1300 Metropolitan Ave.
Mailing City,St,Zip:	Leavenworth, KS 66048
Telephone:	913-682-8700
Faxno:	913-578-1024
Issue Date:	Not reported
Fac Latitude:	Not reported
Fac Longitude:	Not reported
Facility Status:	Active

Permit Number:	0888
Owner Type:	State/Federal Landfill
Owner Name:	Federal Prison Industries Recycling Business Group
Facility Phone:	(913) 682-8700
Permit Type:	E-Waste Processor,Solid Waste Processor
Contact Name:	Tim Moore
Mail Address:	1300 Metropolitan
Mailing City,St,Zip:	Leavenworth, KS 66048
Telephone:	(913) 682-8700
Faxno:	(913) 578-1030
Issue Date:	7/30/2007
Fac Latitude:	Not reported
Fac Longitude:	Not reported
Facility Status:	Active

UST:

Facility ID:	25839
Facility Phone:	913-682-8700
Facility 911 Address:	1300 METROPOLITAN AVE.
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048

US PENITENTIARY (Continued) **U000872923**

Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.32866/-94.93614
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-8700
Contact:	John Parent
Contact Title:	Facility Manager
Owner ID:	25839
Owner:	US PENITENTIARY%J.PARENT
Owner Type:	Current,Federal Govt.
Owner/Rep Name:	John Parent
Owner/Rep Title:	Facility Mgr
Owner Tel:	913-682-8700
Owner Address:	1300 METROPOLITAN AVE.
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH

Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1964
Date Removed:	10/15/1990
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Unknown
Piping:	Unknown
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown
Out of Service Mo/Yr:	101990
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	002
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1976
Date Removed:	10/15/1990
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Bare Steel
Tank Internal Protection:	Unknown
Tank External Protection:	Painted
Out of Service Mo/Yr:	101990
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

US PENITENTIARY (Continued) **U000872923**

Tank ID: 003
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1900
Date Removed: 10/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Unknown
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown
Out of Service Mo/Yr: 101990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1964
Date Removed: 10/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Unknown
Piping: Unknown
Tank Internal Protection: Unknown
Tank External Protection: Unknown
Out of Service Mo/Yr: 101990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 005
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas Unleaded Regular
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1990
Date Removed: Not reported
Last Permit Printed: 8/7/2009
Current Permit Printed: 7/8/2010
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: Cat Prot
Tank External Protection: Cat Prot,Fbr Ref Plstc Coat
Out of Service Mo/Yr: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Not reported

US PENITENTIARY (Continued) **U000872923**

Tank Empty: Not reported

Tank ID: 006
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Diesel Clear
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1990
Date Removed: Not reported
Last Permit Printed: 8/7/2009
Current Permit Printed: 7/8/2010
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: Cat Prot
Tank External Protection: Cat Prot,Fbr Ref Plstc Coat
Out of Service Mo/Yr: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Not reported
Tank Empty: Not reported

AST:
Facility ID: 25839
24 Hour Phone Num: 913-682-8700
Facility 911 Address: 1300 METROPOLITAN AVE.
Facility 911 City,St,Zip: LEAVENWORTH, KS 66048
Facility Phone: 913-682-8700
Facility District: NE
Facility Lat/Long: 39.32866 -94.93614
Facility Location Method: GARMIN 3 PLUS
Facility Feature: Facility Center
Facility Datum: WGS84
Tank ID: 002
Tank Type: A
Tank Status: Permanently Out Of Use
Tank Empty: Not reported
Owner ID: 25839
Installation Year: 1995
Date Removed: 6/25/2010
Last Permit Printed: 6/18/2009
Current Permit Printed: 6/15/2010
Material of Construction: Not reported
Petroleum Substance: Not reported
NonPetroleum Substance: Not reported
Hazards: Not reported
Tank Internal Protection: Not reported
Tank External Protection: Not reported
QTY remaining in Tank: 226,000
Out of service Mo/Yr: 062010
Contact: John Parent
Contact Title: Facility Manager
Owner Type: Current,Federal Govt.
Owner Name: US PENITENTIARY%J.PARENT
Owner Address: 1300 METROPOLITAN AVE.
Owner City,St Zip: LEAVENWORTH, KS 66048
Owner County: LEAVENWORTH

US PENITENTIARY (Continued) **U000872923**

Owner Phone:	913-682-8700	
Owner Replacement Name:		John Parent
Owner Replacement title:		Facility Mgr
Principal CERCLA Substance/Chem Abstract Service Num:		Not reported

Facility ID:	25839
24 Hour Phone Num:	913-682-8700
Facility 911 Address:	1300 METROPOLITAN AVE.
Facility 911 City,St,Zip:	LEAVENWORTH, KS 66048
Facility Phone:	913-682-8700
Facility District:	NE
Facility Lat/Long:	39.32866 -94.93614
Facility Location Method:	GARMIN 3 PLUS
Facility Feature:	Facility Center
Facility Datum:	WGS84
Tank ID:	001
Tank Type:	A
Tank Status:	Permanently Out Of Use
Tank Empty:	Not reported
Owner ID:	25839
Installation Year:	1995
Date Removed:	6/25/2010
Last Permit Printed:	6/18/2009
Current Permit Printed:	6/15/2010
Material of Construction:	Not reported
Petroleum Substance:	Not reported
NonPetroleum Substance:	Not reported
Hazards:	Not reported
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
QTY remaining in Tank:	226,000
Out of service Mo/Yr:	062010
Contact:	John Parent
Contact Title:	Facility Manager
Owner Type:	Current,Federal Govt.
Owner Name:	US PENITENTIARY%J.PARENT
Owner Address:	1300 METROPOLITAN AVE.
Owner City,St Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH
Owner Phone:	913-682-8700
Owner Replacement Name:	John Parent
Owner Replacement title:	Facility Mgr
Principal CERCLA Substance/Chem Abstract Service Num:	Not reported

Facility ID:	25839
24 Hour Phone Num:	913-682-8700
Facility 911 Address:	1300 METROPOLITAN AVE.
Facility 911 City,St,Zip:	LEAVENWORTH, KS 66048
Facility Phone:	913-682-8700
Facility District:	NE
Facility Lat/Long:	39.32866 -94.93614
Facility Location Method:	GARMIN 3 PLUS
Facility Feature:	Facility Center
Facility Datum:	WGS84
Tank ID:	004
Tank Type:	A
Tank Status:	Current In Use

US PENITENTIARY (Continued) **U000872923**

Tank Empty:	Not reported
Owner ID:	25839
Installation Year:	2010
Date Removed:	Not reported
Last Permit Printed:	3/3/2010
Current Permit Printed:	6/15/2010
Material of Construction:	Double Wall
Petroleum Substance:	Diesel Clear
NonPetroleum Substance:	Not reported
Hazards:	Fire,Chronic,Acute
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
QTY remaining in Tank:	Not reported
Out of service Mo/Yr:	Not reported
Contact:	John Parent
Contact Title:	Facility Manager
Owner Type:	Current,Federal Govt.
Owner Name:	US PENITENTIARY%J.PARENT
Owner Address:	1300 METROPOLITAN AVE.
Owner City,St Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH
Owner Phone:	913-682-8700
Owner Replacement Name:	John Parent
Owner Replacement title:	Facility Mgr
Principal CERCLA Substance/Chem Abstract Service Num:	68476-34-6

Facility ID:	25839
24 Hour Phone Num:	913-682-8700
Facility 911 Address:	1300 METROPOLITAN AVE.
Facility 911 City,St,Zip:	LEAVENWORTH, KS 66048
Facility Phone:	913-682-8700
Facility District:	NE
Facility Lat/Long:	39.32866 -94.93614
Facility Location Method:	GARMIN 3 PLUS
Facility Feature:	Facility Center
Facility Datum:	WGS84
Tank ID:	003
Tank Type:	A
Tank Status:	Current In Use
Tank Empty:	Not reported
Owner ID:	25839
Installation Year:	2010
Date Removed:	Not reported
Last Permit Printed:	3/3/2010
Current Permit Printed:	6/15/2010
Material of Construction:	Double Wall
Petroleum Substance:	Diesel Clear
NonPetroleum Substance:	Not reported
Hazards:	Fire,Chronic,Acute
Tank Internal Protection:	Not reported
Tank External Protection:	Not reported
QTY remaining in Tank:	Not reported
Out of service Mo/Yr:	Not reported
Contact:	John Parent
Contact Title:	Facility Manager
Owner Type:	Current,Federal Govt.
Owner Name:	US PENITENTIARY%J.PARENT

US PENITENTIARY (Continued) **U000872923**

Owner Address: 1300 METROPOLITAN AVE.
Owner City,St Zip: LEAVENWORTH, KS 66048
Owner County: LEAVENWORTH
Owner Phone: 913-682-8700
Owner Replacement Name: John Parent
Owner Replacement title: Facility Mgr
Principal CERCLA Substance/Chem Abstract Service Num: 68476-34-6

AIRS:

Facility Id:	1030019
Lat:	391953
Long:	945611
NAICS:	922140
SIC:	9223
Inventory Year:	2008
NOX:	5.75413
PM10:	0.435439
SOX:	0.1034
CO:	4.299423
VOC:	8.616989

Facility Id:	1030019
Lat:	391953
Long:	945611
NAICS:	922140
SIC:	9223
Inventory Year:	2009
NOX:	7.01315
PM10:	0
SOX:	0.08537
CO:	5.438214
VOC:	9.579428

A3 **1300 METROPOLITAN AVE** **ERNS** **91220397**
Target **1300 METROPOLITAN AVE** **N/A**
Property **LEAVENWORTH, KS**

Site 3 of 15 in cluster A

Actual: 870 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A4 **SPILLS** **S106530963**
Target **1300 METROPOLITAN** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 4 of 15 in cluster A

Actual: 870 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	discharge
Cause Description:	Not reported
Cleanup Description:	your guess is as good as mine.no clean-up
Comments:	poured liquid down storm sewer
Damage Description:	Not reported

(Continued) **S106530963**

Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1992-03-28 01:00:00
Discovery Time:	1300
Spill Date:	1992-03-28 01:00:00
Spill Time:	1300
Discharger Name:	Epa
Discharger Facid:	Not reported
Discharger Org Id:	81739
Discharger Organization Type:	Not reported
Discharger Phone 1:	913-551-5021
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	Not reported
Discharger City,State, Zip:	Kansas City, KS
Discharger Contact:	George Hess
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Not reported
EPA Spill Number:	Not reported
Initial Entry By:	Not reported
Initial Entry Completed:	Not reported
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	920331-7JS1-0930
Reported Date:	1992-03-31 01:00:00
Reported Time:	0930
Incident Recorded By:	Jack Slade
SSI Report:	Not reported
Spill Number:	4951
Spill Or Complaint:	Spill
Spill Stage:	Not reported
Through NRC:	Not reported
Updated By:	TW Wilson
Investigating Agency:	none

(Continued) **S106530963**

Hours Worked 1:	1
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	No
Investigated By 1:	Jack Slade
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	Not reported
Qty Spilled Comment 1:	Not reported
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	others
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	port-john liquid
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	Not reported
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	Not reported
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	surface water
Media Waterway:	Not reported
Media Waterway Type:	stream
Who Notified:	Not reported
Notified:	Not reported
Spill Report:	No
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	other
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**Not reported**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Active

A5 **SPILLS** **S105278580**
Target Property **1300 METROPOLITAN**
FORT LEAVENWORTH, KS 66048 **N/A**

Site 5 of 15 in cluster A

Actual: 870 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	physical removal
Comments:	Not reported
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1987-04-29
Discovery Time:	0800
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	Fort Leavenworth
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Federal
Discharger Phone 1:	913-682-8700
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1300 Metropolitan
Discharger City,State, Zip:	Fort Leavenworth, KS 66048
Discharger Contact:	Frank Gouch
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	SE
incqtr2:	NE
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	22E
Incident Section:	22
Incident Township:	08S
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Pierre Sutphin
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported

(Continued) **S105278580**

inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	1987-04-29
Reported Time:	0830
Incident Recorded By:	Not reported
SSI Report:	Not reported
Spill Number:	17225
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	Not reported
Investigating Agency:	KDHE
Hours Worked 1:	28
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Mike Parhomek
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	40000
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	diesel/fuel oil/heating oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	126000
Qty Recovered Comment 1:	estimated
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1202
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	none
Who Notified:	Not reported
Notified:	Not reported

(Continued) **S105278580**

Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	pipeline
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**1987-05-04**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Closed

A6 **1300 METROPOLITAN** **ERNS** **92260494**
Target **1300 METROPOLITAN** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 6 of 15 in cluster A

Actual:
870 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A7 **1300 METROPOLITAN** **ERNS** **91220494**
Target **1300 METROPOLITAN** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 7 of 15 in cluster A

Actual:
870 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A8 **1300 METROPOLITAN AVE, 2 PONDS DIRECTLY NORTH OF PRISON** **ERNS** **94393835**
Target **1300 METROPOLITAN AVE, 2 PONDS DIRECTLY NORTH OF PRISON** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 8 of 15 in cluster A

Actual:
870 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A9 **UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI** **CERCLIS** **1000127531**
Target **1300 METROPOLITAN AVENUE** **RCRA-SQG** **KS4151909120**
Property **LEAVENWORTH, KS 66048** **FTTS**
HIST FTTS

Site 9 of 15 in cluster A **PADS**
FINDS

Actual: **MANIFEST**
870 ft.

CERCLIS:

Site ID:	0700738
Federal Facility:	Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Site Contact Name(s):

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Contact Name: PAUL ROEMERMAN
Contact Tel: (913) 551-7694
Contact Title: Site Assessment Manager (SAM)

CERCLIS Site Alias Name(s):
Alias Name: LEAVENWORTH PENITENTIARY
Alias Address: 1300 METROPOLITAN AVENUE
LEAVENWORTH, KS 67543
Alias Name: USP
Alias Address: Not reported
LEAVENWORTH, KS
Alias Name: FEDERAL CORRECTION INSTITUTE LEAVENWORTH
Alias Address: 1300 Metropoliton Ave
LEAVENWORTH, KS 66048
Site Description: GW contamination over sight KDHE

CERCLIS Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/30/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 12/29/88
Priority Level: Low priority for further assessment

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 08/23/91
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 05/28/92
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: FEDERAL FACILITY REMOVAL
Date Started: 02/29/96
Date Completed: 11/12/02
Priority Level: Cleaned up

RCRA-SQG:
Date form received by agency: 05/27/2009
Facility name: US PENITENTIARY LEAVENWORTH
Facility address: 1300 METROPOLITAN AVE
LEAVENWORTH, KS 66048
EPA ID: KS4151909120
Mailing address: METROPOLITAN AVE
LEAVENWORTH, KS 66048
Contact: BILLY HOWELL
Contact address: METROPOLITAN AVE
LEAVENWORTH, KS 66048
Contact country: US
Contact telephone: (913) 682-8700
Contact email: Not reported

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

EPA Region: 07
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: US PENITENTIARY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1897
Owner/Op end date: Not reported

Owner/operator name: US GOVERNMENT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 12/30/1896
Owner/Op end date: 12/31/1896

Owner/operator name: US GOVERNMENT
Owner/operator address: 1300 METROPOLITAN AVE
LEAVENWORTH, KS 66048
Owner/operator country: US
Owner/operator telephone: (913) 682-8700
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 12/30/1896
Owner/Op end date: 12/31/1896

Owner/operator name: US PENITENTIARY
Owner/operator address: Not reported
KS
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1897
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
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
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

Historical Generators:
Date form received by agency: 09/23/2008
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Small Quantity Generator

Date form received by agency: 06/18/2008
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Small Quantity Generator

Date form received by agency: 05/09/2007
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/12/2006
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/28/2005
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/02/2005

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Small Quantity Generator

Date form received by agency: 04/19/2005
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/16/2004
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Small Quantity Generator

Date form received by agency: 12/11/1996
Facility name: US PENITENTIARY LEAVENWORTH
Site name: US PENITENTIARY
Classification: Small Quantity Generator

Date form received by agency: 03/20/1990
Facility name: US PENITENTIARY LEAVENWORTH
Site name: U.S. PENITENTIARY
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

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.

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.

Facility Has Received Notices of Violations:
Regulation violated: SR - KAR 28 31 4 K
Area of violation: Generators - Pre-transport
Date violation determined: 11/19/1996

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Date achieved compliance: 11/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/19/1996
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 - KAR 28 31 4 H 1 D
Area of violation: Generators - Pre-transport
Date violation determined: 11/19/1996
Date achieved compliance: 11/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/19/1996
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 - KAR 28 31 4 C 1
Area of violation: Generators - General
Date violation determined: 11/19/1996
Date achieved compliance: 11/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/19/1996
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 - KAR 28 31 4 H 1 B
Area of violation: Generators - Pre-transport
Date violation determined: 11/19/1996
Date achieved compliance: 11/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/19/1996
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: FR - 40 CFR 262.11
Area of violation: Generators - General
Date violation determined: 08/25/1993
Date achieved compliance: 09/10/1993

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/1993
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 - KAR 28-31-04(c)(1)
Area of violation: Generators - General
Date violation determined: 08/25/1993
Date achieved compliance: 09/10/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/1993
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: FR - 40 CFR 262.34
Area of violation: Generators - Pre-transport
Date violation determined: 08/25/1993
Date achieved compliance: 09/10/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/1993
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 - KAR 28-31-4(G)(4)40CFR265.35
Area of violation: Generators - Pre-transport
Date violation determined: 07/31/1991
Date achieved compliance: 12/06/1991
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: SR - KAR 28-31-4(C)(1)
Area of violation: Generators - General
Date violation determined: 07/31/1991
Date achieved compliance: 12/06/1991
Violation lead agency: State

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/09/1991
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:	FR - 40 CFR 265.173(a)
Area of violation:	TSD - Container Use and Management
Date violation determined:	07/11/1990
Date achieved compliance:	08/16/1990
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/11/1990
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:	FR - 40 CFR 265.34
Area of violation:	TSD - Preparedness and Prevention
Date violation determined:	07/11/1990
Date achieved compliance:	08/16/1990
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/11/1990
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:	FR - 40 CFR 265.15(d)
Area of violation:	TSD - General Facility Standards
Date violation determined:	07/11/1990
Date achieved compliance:	08/16/1990
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/11/1990
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:	FR - 40 CFR 265.16
Area of violation:	TSD - General Facility Standards
Date violation determined:	07/11/1990
Date achieved compliance:	08/16/1990
Violation lead agency:	EPA
Enforcement action:	WRITTEN INFORMAL

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Enforcement action date: 07/11/1990
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: FR - 40 CFR 262.20
Area of violation: Generators - Manifest
Date violation determined: 07/11/1990
Date achieved compliance: 08/16/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/11/1990
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: FR - 40 CFR 265.51
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 07/11/1990
Date achieved compliance: 08/16/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/11/1990
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: FR - 40 CFR 268.7(a)(6)
Area of violation: LDR - General
Date violation determined: 07/11/1990
Date achieved compliance: 08/16/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/11/1990
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

Evaluation Action Summary:
Evaluation date: 12/11/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Evaluation date: 10/06/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 12/30/1996
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/27/1996
Evaluation lead agency: State

Evaluation date: 11/19/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/27/1996
Evaluation lead agency: State

Evaluation date: 03/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/10/1993
Evaluation lead agency: EPA

Evaluation date: 08/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/10/1993
Evaluation lead agency: EPA

Evaluation date: 12/06/1991
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 12/06/1991
Evaluation lead agency: State

Evaluation date: 12/06/1991
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/06/1991
Evaluation lead agency: State

Evaluation date: 07/31/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Date achieved compliance: 12/06/1991
Evaluation lead agency: State

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 07/10/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 08/16/1990
Evaluation lead agency: EPA

Evaluation date: 11/21/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FTTS INSP:
Inspection Number: 1993082406529 1
Region: 07
Inspection Date: 08/24/93
Inspector: WILCOX
Violation occurred: No
Investigation Type: Use General Non-Agriculture
Investigation Reason: For Cause, Government
Legislation Code: FIFRA
Facility Function: User

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

HIST FTTS INSP:
Inspection Number: 1993082406529 1
Region: 07
Inspection Date: Not reported
Inspector: WILCOX
Violation occurred: No
Investigation Type: Use General Non-Agriculture
Investigation Reason: For Cause, Government
Legislation Code: FIFRA
Facility Function: User

PADS:
EPAID: KS4151909120
Facility name: U S PENITENTIARY KS
Facility Address: 1300 METROPOLITAN AVE
LEAVENWORTH, KS 66048
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: BUREAU OF PRISONS
Contact title: Not reported
Contact name: SALINAS ISMAEL
Contact tel: (913)682-8700
Contact extension: Not reported
Mailing address: 1300 METROPOLITAN AVE
LEAVENWORTH, KS 66048
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 4/25/1991
Date received: 6/4/1991

FINDS:

Registry ID: 110001244546

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

KS-FP (Kansas - Facility Profiler) is a geographically-based data warehouse site that presents information about facilities and

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

locations of interest to the KDHE. This site has in excess of twenty environmental interest which contains information on closed facilities, completed cleanups, and past operations as well as data on current operations and activities.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NY MANIFEST:

EPA ID:	KS4151909120
Country:	USA
Mailing Name:	UNITED STATES FEDERAL PENITINENTIARY
Mailing Contact:	UNITED STATES FEDERAL PENITINENTIARY
Mailing Address:	1300 METROPOLITAN AVENUE
Mailing Address 2:	Not reported
Mailing City:	LEVENWORTH
Mailing State:	KS
Mailing Zip:	66048
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	913-682-8700

Document ID:	NYB2360772
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	39470D
Trans2 State ID:	Not reported
Generator Ship Date:	900326
Trans1 Recv Date:	900326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900404
Part A Recv Date:	900420
Part B Recv Date:	900502
Generator EPA ID:	KS4151909120

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Trans1 EPA ID:	ILD175817683
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	090
Waste Code:	Not reported
Quantity:	00450
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	115
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	115
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYB2360664
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	39470D
Trans2 State ID:	Not reported
Generator Ship Date:	900326
Trans1 Recv Date:	900326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900404
Part A Recv Date:	900420
Part B Recv Date:	900502
Generator EPA ID:	KS4151909120
Trans1 EPA ID:	ILD175817683
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	P123 - TOXAPHENE
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	135
Waste Code:	Not reported
Quantity:	00200

UNITED STATES PENITENTIARY LEAVENWORTH FEDERAL PRI (Continued) **1000127531**

Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	115
Waste Code:	Not reported
Quantity:	00550
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	90

A10 **UNITED STATES PENITENTIARY** **FTTS** **1007297729**
Target **1300 METROPOLITAN** **HIST FTTS** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 10 of 15 in cluster A

Actual: 870 ft.

FTTS INSP:

Inspection Number:	19980610N7010 1
Region:	07
Inspection Date:	06/10/98
Inspector:	RPUGH
Violation occurred:	Yes
Investigation Type:	Section 6 PCB SEE Conducted
Investigation Reason:	For Cause, Government
Legislation Code:	TSCA
Facility Function:	User

HIST FTTS INSP:

Inspection Number:	19980610N7010 1
Region:	07
Inspection Date:	Not reported
Inspector:	RPUGH
Violation occurred:	Yes
Investigation Type:	Section 6 PCB SEE Conducted
Investigation Reason:	For Cause, Government
Legislation Code:	TSCA
Facility Function:	User

A11 **FBOP LEAVENWORTH** **FINDS** **1011976056**
Target **1300 METROPOLITAN** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 11 of 15 in cluster A

Actual: **870 ft.**

FINDS:

Registry ID: 110038095094

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

A12 **US PENITENTIARY-BUREAU OF PRISONS** **FTTS** **1009525394**
Target **1300 METROPOLITAN AVE** **HIST FTTS** **N/A**
Property **LEAVENWORTH, KS 66048**

Site 12 of 15 in cluster A

Actual: **870 ft.**

FTTS INSP:
Inspection Number: 19930824N7010 1
Region: 07
Inspection Date: 08/24/93
Inspector: PUGH
Violation occurred: Yes
Investigation Type: Section 6 PCB SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 19930824N7010 1
Region: 07
Inspection Date: Not reported
Inspector: PUGH
Violation occurred: Yes
Investigation Type: Section 6 PCB SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

A13 **US PENITENTIARY-LEAVENWORTH** **SHWS** **S105560936**
Target **1300 METROPOLITAN AVE** **SPILLS** **N/A**
Property **LEAVENWORTH, KS 66048** **TIER 2**

Site 13 of 15 in cluster A

Actual: **870 ft.**

SHWS:
Site ID: 1071
Has Env Use Control: No
Project code: C405203024
PM Name: DOM, J.
Site Status: **Active**

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Preliminary Investigation
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	2/18/1991
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Comprehensive Investigation
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	4/27/1992
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Engineering Evaluation/Cost Analysis
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	9/15/1995
Narrative:	Semi-annual sampling should be conducted for the next five years.

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Removal Action Report
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	2/29/1996
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Phase I Assessment
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	8/31/1984
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Long Term Monitoring
Activity Status:	Underway
Activity Start Date:	8/31/1999
Activity End Date:	Not reported
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics,

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

Site ID:	1071
Has Env Use Control:	No
Project code:	C405203024
PM Name:	DOM, J.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.33111 / -94.93526
River Basin:	Missouri
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	1/1/1986
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	NE
Acres Affected:	26-500 acres
Waste Present:	No
Product Present:	No
Program:	Landfill
Lead Agency:	BER - Assessment and Restoration
Contaminants:	Heavy Metal, Pesticide, SVOC, VOC
Media Act:	Ground Water
Media Pot:	Not reported
Source:	Dumping/Drums, Facility Operations
Land Use:	Other (see Site Narrative)
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Capping, On-Site Burial
Remed Water:	Long Term Monitoring
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Phase II Assessment
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	9/30/1986
Narrative:	Semi-annual sampling should be conducted for the next five years. Contamination does not appear to be migrating off site. June 14, 2002, semi-annual groundwater sampling event analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth was able to continue with semi-annual monitoring, which took place on December 2002. December 11, 2002 through December 13, 2002 sampling event for U.S.P. Leavenworth analytical results did not indicate concentrations of metals, semi-volatile organics, pesticides or polychlorinated biphenyls (PCBs) above the Environmental Protection Agency s (EPAs) National Drinking Water Standards Maximum Contaminant Levels (MCLs). Based on these semi-annual sampling results, U.S.P Leavenworth is able to continue with semi-annual monitoring, which should take place in May 2003. 7/17/03 Overall, the landfill cover was in good condition with no visible signs of ponded water or erosion. KDHE recommends periodic mowing of the landfill to help with seed dispersion and to prevent weed growth. Mowing also prevents trees and woody-stemmed plants, which can cause infiltration of moisture into the landfill. February 2003 and June 2003 sampling event analytical results did not indicate concentrations of select heavy metals, semi-volatile organics, pesticides or polychlorinated biphenyls

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

(PCBs) above the Environmental Protection Agency s (EPAs) Maximum Contaminant Levels (MCLs). KDHE did note select wells were not sampled due to the absence of groundwater in the wells. January 12, 1996 Removal Action Decision Document (RADD) a review will be conducted at the end of five years to determine if contaminant levels warrant a response. After reviewing the data presented in the Groundwater and Surface Water Monitoring Reports for the USP Leavenworth site KDHE BER is requesting groundwater samples to be collected on a schedule of 1,2,4,7,10,15,20,25, and 30 years. The first sampling event shall be conducted in May 2005. If groundwater results during this time indicate analytes above EPA MCLs or a trend in increasing analyte levels, KDHE may request additional sampling events and expansion of the monitoring well network. If at the end of 30 years the constituents of concern (COC) are below EPA MCLs and that COC levels are not trending upward, KDHE may recommend that no further groundwater monitoring be required at the site. June 24, 2004 letter to KDHE, George Butler and Associates, Inc. (GBA) recommended the elimination of select wells in Area A and B. In addition GBA recommended that groundwater samples in areas C and C-1 should no longer be collected. KDHE has reviewed this request and recommends the following wells to be sampled at each area: Area A MW-35 and MW-37 Area B MW-20, MW-22, and MW-32 Area C MW-52 and MW-56 Area C-1 MW-27 and MW-30 2009 City of Leavenworth began a road project that removed several of the monitoring wells. The city will replace the wells at the completion of the project.

SPILLS:

Evacuation:	Not reported
Responders:	discharger
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	Pumped drain containment structurephysical removal
Comments:	fuel ran into storm drain and into retention pit. Noticed a sheen on the pond after they pumped the containment pit. Update: 12/15/06 Provided follow up letter to discharger requesting additional information. TKW Update: 12/21/06 Spoke with
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	2006-10-26
Discovery Time:	1030
Spill Date:	2006-10-26
Spill Time:	1030
Discharger Name:	US Penitentiary
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Federal
Discharger Phone 1:	913-682-8700
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1300 Metropolitan Ave
Discharger City,State, Zip:	Leavenworth, KS 66048
Discharger Contact:	Billy Howell
District:	NE
incgpssour:	district

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	SW
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	22E
Incident Section:	08
Incident Township:	08S
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	TW Wilson
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Spiller
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2006-10-26
Reported Time:	1459
Incident Recorded By:	TW Wilson
SSI Report:	Not reported
Spill Number:	29693
Spill Or Complaint:	Spill
Spill Stage:	closed
Through NRC:	Unknown
Updated By:	Tom Winn
Investigating Agency:	KDHE
Hours Worked 1:	1
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	No
Investigated By 1:	Tom Winn
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	Not reported
Qty Spilled Comment 1:	unknown
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	diesel/fuel oil/heating oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1202
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	surface water
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	NEDO
Notified:	KDHE
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	other
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**2006-12-21**
"Follow-up Required:	No
Response Required By:	Not reported
Status:	Closed
Evacuation:	No
Responders:	discharger;spill response contractor
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	Stained soil will be handled through contractorphysical removal
Comments:	There are two tanks on site, not sure which one or both may have contrbuted to release. KDHE AST section notified. On the morning May 24th, the power house operator encountered diesel odors and sheen in the basement of the chemical storage building lo
Damage Description:	Not reported
Damage Number Of Deaths:	0
Damage Number If Injuries:	0
Property Damage > $50,000:	Undetermined
Discovery Date:	2008-05-24
Discovery Time:	1130
Spill Date:	2008-05-24
Spill Time:	1000
Discharger Name:	US Penitentiary
Discharger Facid:	Not reported
Discharger Org Id:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Discharger Organization Type:	Federal
Discharger Phone 1:	913/682-8700
Discharger Ext. 1:	1165
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1300 Metropolitan Ave
Discharger City,State, Zip:	Leavenworth, KS 66048
Discharger Contact:	Billy Howell
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Paul Belt
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Spiller
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2008-05-24
Reported Time:	1210
Incident Recorded By:	Paul Belt
SSI Report:	Not reported
Spill Number:	30888
Spill Or Complaint:	Spill
Spill Stage:	closed
Through NRC:	Unknown
Updated By:	Tom Winn
Investigating Agency:	KDHE
Hours Worked 1:	1
Hours Worked 2:	0.5
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Dan Kellerman
Investigated By 2:	Paul Belt
Investigated By 3:	Not reported
Quantity Spilled 1:	1
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	0
Qty Spilled In Water Comment 1:	actual
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	diesel/fuel oil/heating oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	1
Qty Recovered Comment 1:	estimated
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1202
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	NEDO
Notified:	KDHE
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	fixed facility
Tank Capacity:	256000
Tank Unit:	gallons
Vehicle ID:	Not reported
Close Date:	**2009-01-13**
"Follow-up Required:	No
Response Required By:	Not reported
Status:	Conditional Closure
Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	Not reported
Cause Description:	Not reported
Cleanup Description:	contaminated soil waas placed into metal storage drum. (wipe sample indicated pcb contamination level of 79 ppm)physical removal
Comments:	pole mounted transformer near on facility housing unit was leaking onto the ground. (15 kua transformer)
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1991-04-25 00:00:00
Discovery Time:	1530
Spill Date:	1991-04-25 00:00:00
Spill Time:	1530
Discharger Name:	U.s. Penetentiary
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Federal
Discharger Phone 1:	913-682-8700
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1300 Metropolitan St
Discharger City,State, Zip:	Leavenworth, KS 66048-1254
Discharger Contact:	Ismael Salinas
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Not reported
EPA Spill Number:	Not reported
Initial Entry By:	Not reported
Initial Entry Completed:	Not reported
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	910426-7GM1-1330
Reported Date:	1991-04-26 00:00:00
Reported Time:	1330
Incident Recorded By:	George McCaskill
SSI Report:	Not reported
Spill Number:	3891
Spill Or Complaint:	Spill
Spill Stage:	Not reported
Through NRC:	Not reported
Updated By:	TW Wilson
Investigating Agency:	none
Hours Worked 1:	1

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	No
Investigated By 1:	George McCaskill
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	1
Qty Spilled Comment 1:	Not reported
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	others
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	pcb fluid
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	1
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	Not reported
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	Not reported
Notified:	Not reported
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	transformer
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**Not reported**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Active
Evacuation:	No

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Responders:	discharger
Reported Cause:	unknown
Cause Description:	Not reported
Cleanup Description:	Spill contained. Cleanup underway.physical removal
Comments:	Mark Thomas, EPA Region VII, responded to this release when reported. Clean-up activities commenced and product was recovered from the catchment basin (pond). Details of this response will be provided in a document being prepared by George Butler and A
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	0
Property Damage > $50,000:	Undetermined
Discovery Date:	2002-08-08
Discovery Time:	1015
Spill Date:	2001-10-12
Spill Time:	unknown
Discharger Name:	US Federal Penitentiary
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Federal
Discharger Phone 1:	913-682-8700
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1300 Metropolitan Avenue
Discharger City,State, Zip:	Leavenworth, KS 66048
Discharger Contact:	Not reported
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Yes
EPA Spill Number:	Not reported
Initial Entry By:	TJ Ciaffone
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	EPA
Multiple Report:	no
inircno:	619302
Old Spill Number:	Not reported
Reported Date:	2002-08-08

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Reported Time:	1030
Incident Recorded By:	TJ Ciaffone
SSI Report:	Not reported
Spill Number:	26729
Spill Or Complaint:	Spill
Spill Stage:	closed
Through NRC:	Yes
Updated By:	Tom Winn
Investigating Agency:	KDHE
Hours Worked 1:	4
Hours Worked 2:	0.5
Hours Worked 3:	Not reported
State Visited By KDHE?:	Yes
Investigated By 1:	Dan Kellerman
Investigated By 2:	Tom Winn
Investigated By 3:	Not reported
Quantity Spilled 1:	Not reported
Qty Spilled Comment 1:	unknown
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	unknown
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	diesel/fuel oil/heating oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	unknown
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1202
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	surface water
Media Waterway:	Missouri
Media Waterway Type:	pond
Who Notified:	NEDO
Notified:	Not reported
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported

US PENITENTIARY-LEAVENWORTH (Continued) **S105560936**

Source Of Spill:	fixed facility
Tank Capacity:	Not reported
Tank Unit:	gallons
Vehicle ID:	Not reported
Close Date:	**2009-02-23**
"Follow-up Required:	No
Response Required By:	Not reported
Status:	Closed

TIER 2:

Facility Id:	368668
Facility Phone:	913-682-8700
PID Num:	KS02200
FID Num:	LV00172
NAICS:	92214
Report Year:	2009
New Facility:	Not reported
Nearest Cross Street:	Not reported
SIC Code:	9223
Section Code:	312
Emergency Name1:	JOHN PARENT
Emergency Title1:	FACILITIES MGR
Emergency Phone1:	913-682-8700
Emergency 24phone1:	918-682-8700
Emergency Name2:	WILLIAM HOWELL
Emergency Title2:	SAFETY MGR
Emergency Phone2:	913-682-8700
Emergency 24phone2:	913-682-8700
Submitter:	Not reported
Created:	1/16/2009 12:38:51 PM
Updated:	1/26/2010 9:50:57 AM
Rep Name:	Billy Howell
Rep Title:	Safety Manager

A14 **1300 METROPOLITAN AVE** **ERNS** **2002619302**
Target Property **1300 METROPOLITAN AVE** **N/A**
LEAVENWORTH, KS 0

Site 14 of 15 in cluster A

Actual: 870 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

DOD **FORT LEAVENWORTH MILITARY RESERVATION** **DOD** **CUSA132845**
Region North **N/A**
FORT LEAVENWORTH MILITARY (County), KS
1/8-1/4
1049 ft.

DOD:

Feature 1:	Army DOD
Feature 2:	Not reported
Feature 3:	Not reported
URL:	Not reported
Name 1:	Fort Leavenworth Military Reservation
Name 2:	Not reported

FORT LEAVENWORTH MILITARY RESERVATION (Continued) **CUSA132845**

Name 3: Not reported
State: KS
DOD Site: Yes
Tile name: KSLEAVENWORTH

A15 **KDOT** **LUST** **S106422835**
SW **N/A**
< 1/8 **LEAVENWORTH, KS**
0.004 mi.
22 ft. **Site 15 of 15 in cluster A**

Relative:
Lower

Actual:
869 ft.

LUST:

Facility ID:	25839
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	4/11/1989
Project Number:	U4-052-00246
Project Name:	Federal Penitentiary
Legal Desc Section:	21
Legal Desc Township:	08S
Legal Desc Range:	22E

---

16 **FAIL PROPERTY** **LUST** **S101901138**
West **1347 METROPOLITAN** **N/A**
1/8-1/4 **LEAVENWORTH, KS**
0.150 mi.
791 ft.

Relative:
Lower

Actual:
851 ft.

LUST:

Facility ID:	81171
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	3/10/1994
Project Number:	U4-052-10136
Project Name:	Fail Property
Legal Desc Section:	27
Legal Desc Township:	08S
Legal Desc Range:	22E

---

17 **USP LEAVENWORTH SITE B (052-USP-SITEB)** **SWF/LF** **S108979891**
NNW **N/A**
1/8-1/4 **LEAVENWORTH, KS**
0.226 mi.
1193 ft.

Relative:
Higher

Actual:
894 ft.

SWF/LF:

Permit Number:	Not reported
Owner Type:	State/Federal Landfill
Owner Name:	Not reported
Facility Phone:	Not reported
Permit Type:	City Dump
Contact Name:	Not reported
Mail Address:	Not reported
Mailing City,St,Zip:	Not reported
Telephone:	Not reported

USP LEAVENWORTH SITE B (052-USP-SITEB) (Continued) **S108979891**

Faxno:	Not reported
Issue Date:	Not reported
Fac Latitude:	39.329839999999997
Fac Longitude:	-94.930369999999996
Facility Status:	Closed: post-closure care comp
Permit Number:	Not reported
Owner Type:	State/Federal Landfill
Owner Name:	Not reported
Facility Phone:	Not reported
Permit Type:	City Dump
Contact Name:	Not reported
Mail Address:	Not reported
Mailing City,St,Zip:	Not reported
Telephone:	Not reported
Faxno:	Not reported
Issue Date:	Not reported
Fac Latitude:	39.334159999999997
Fac Longitude:	-94.935509999999994
Facility Status:	Closed: post-closure care comp
Permit Number:	Not reported
Owner Type:	State/Federal Landfill
Owner Name:	US Bureau of Prisons
Facility Phone:	Not reported
Permit Type:	City Dump
Contact Name:	Not reported
Mail Address:	Not reported
Mailing City,St,Zip:	Not reported
Telephone:	Not reported
Faxno:	Not reported
Issue Date:	Not reported
Fac Latitude:	Not reported
Fac Longitude:	Not reported
Facility Status:	Closed: post-closure care comp

B18 **SPILLS** **S105558475**
East **11TH & METROPOLITAN** **N/A**
1/8-1/4 **LEAVENWORTH (County), KS**
0.235 mi.
1243 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
880 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	operator error
Cause Description:	Not reported
Cleanup Description:	dilution
Comments:	Not reported
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1981-12-18
Discovery Time:	1115
Spill Date:	1981-12-18
Spill Time:	1115
Discharger Name:	Holton Transport Co.

(Continued) **S105558475**

Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Private Industry/Company
Discharger Phone 1:	Not reported
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	Not reported
Discharger City,State, Zip:	, KS
Discharger Contact:	Judy Hann
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Leslie Gish
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	1981-12-18
Reported Time:	1215
Incident Recorded By:	Not reported
SSI Report:	Not reported
Spill Number:	21809
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	TW Wilson
Investigating Agency:	KDHE
Hours Worked 1:	Not reported
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Larry Knoche
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	300

(Continued) **S105558475**

Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8006619
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	gasoline
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	0
Qty Recovered Comment 1:	estimated
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1203
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	other
Media Waterway:	Not reported
Media Waterway Type:	storm sewer
Who Notified:	Not reported
Notified:	Not reported
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	motor vehicle
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**1981-12-22**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Closed

B19 **HUND SERVICE INC** **UST** **U000872468**
East **1101 METROPOLITAN** **N/A**
1/8-1/4 **LEAVENWORTH, KS 66048**
0.235 mi.
1243 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
880 ft.

UST:

Facility ID:	23326
Facility Phone:	913-682-4002
Facility 911 Address:	1101 METROPOLITAN
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	Garmin GPS III Plus
Facility Lat/Long:	39.32779/-94.93066
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-4002
Contact:	Dennis J. Hund
Contact Title:	Owner
Owner ID:	23326
Owner:	HUND, DENNIS J.
Owner Type:	Private Or Corp.
Owner/Rep Name:	Dennis J. Hund
Owner/Rep Title:	Owner
Owner Tel:	913-682-4002
Owner Address:	1101 METROPOLITAN
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH
Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic**
Petroleum Substance:	Used Oil
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1962
Date Removed:	12/15/1990
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	None
Out of Service Mo/Yr:	121990
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported
Tank ID:	002
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1962
Date Removed:	12/15/1990
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported

HUND SERVICE INC (Continued) **U000872468**

Material of Construction: Steel
Piping: Other,COPPER
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 003
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1971
Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Other,COPPER
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Other,COPPER
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 005
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974

HUND SERVICE INC (Continued) **U000872468**

Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Fbr Ref Plastic
Piping: Other,COPPER
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 006
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Fbr Ref Plastic
Piping: Other,COPPER
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 007
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas Unleaded Regular
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1991
Date Removed: Not reported
Last Permit Printed: 6/18/2009
Current Permit Printed: 8/13/2010
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Cat Prot
Out of Service Mo/Yr: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Not reported
Tank Empty: Not reported

Tank ID: 008
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute

HUND SERVICE INC (Continued) **U000872468**

Petroleum Substance:	Diesel Clear
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1991
Date Removed:	Not reported
Last Permit Printed:	6/18/2009
Current Permit Printed:	8/13/2010
Material of Construction:	Steel
Piping:	Fbr Ref Plstc
Tank Internal Protection:	None
Tank External Protection:	Cat Prot
Out of Service Mo/Yr:	Not reported
QTY Remaining in Tank:	Not reported
Filled/Removed:	Not reported
Tank Empty:	Not reported

Tank ID:	009
Tank Type:	U
Tank Status:	**Current In Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas Unleaded Premium
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1991
Date Removed:	Not reported
Last Permit Printed:	6/18/2009
Current Permit Printed:	8/13/2010
Material of Construction:	Steel
Piping:	Fbr Ref Plstc
Tank Internal Protection:	None
Tank External Protection:	Cat Prot
Out of Service Mo/Yr:	001900
QTY Remaining in Tank:	0
Filled/Removed:	Not reported
Tank Empty:	Not reported

B20 **AMOCO SERVICE STATION #6823** **LUST** **S101835309**
East **1101 METROPOLITAN** **N/A**
1/8-1/4 **LEAVENWORTH, KS**
0.235 mi.
1243 ft. **Site 3 of 4 in cluster B**

Relative:
Higher

Actual:
880 ft.

LUST:

Facility ID:	23326
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	1/7/1992
Project Number:	U4-052-01178
Project Name:	Amoco #6823
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

B21
East
1/8-1/4
0.237 mi.
1253 ft.

E-Z SHOP
11 & METROPOLITAN
LEAVENWORTH, KS 66048

Site 4 of 4 in cluster B

LUST **S101835259**
N/A

Relative:
Higher

Actual:
878 ft.

LUST:

Facility ID:	06389
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	4/17/1989
Project Number:	U4-052-00197
Project Name:	EZ Shop
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

22
East
1/4-1/2
0.302 mi.
1594 ft.

WOOD OIL #26
1031 METROPOLITAN
LEAVENWORTH, KS 66048

UST **U000716831**
N/A

Relative:
Higher

Actual:
888 ft.

UST:

Facility ID:	06389
Facility Phone:	913-651-5650
Facility 911 Address:	1031 METROPOLITAN
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.32769/-94.93001
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-290-0224
Contact:	DON SAUNDERS
Contact Title:	CONTACT PERSON
Owner ID:	04837
Owner:	CHARLES R. WOOD OIL CO. INC.
Owner Type:	Current
Owner/Rep Name:	CHARLES R. WOOD
Owner/Rep Title:	OWNER
Owner Tel:	913-727-1163
Owner Address:	PO BOX 67 - 4701 BREWER PLACE
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH
Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1972
Date Removed:	3/15/1989
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	None

WOOD OIL #26 (Continued) **U000716831**

Out of Service Mo/Yr: 031989
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 002
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1972
Date Removed: 3/15/1989
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 031989
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 003
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas Ethanol E-10
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1989
Date Removed: Not reported
Last Permit Printed: 7/27/2009
Current Permit Printed: 7/13/2010
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Cat Prot
Out of Service Mo/Yr: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Not reported
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas Unleaded Premium
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1989
Date Removed: Not reported
Last Permit Printed: 7/27/2009
Current Permit Printed: 7/13/2010
Material of Construction: Steel

WOOD OIL #26 (Continued) **U000716831**

Piping:	Fbr Ref Plstc
Tank Internal Protection:	None
Tank External Protection:	Cat Prot
Out of Service Mo/Yr:	Not reported
QTY Remaining in Tank:	Not reported
Filled/Removed:	Not reported
Tank Empty:	Not reported

C23 **CAPITAL ELECTRIC LINE** **RCRA-NonGen** **1000264263**
South **1320 OTTAWA** **FINDS** **KSD052297561**
1/4-1/2 **LEAVENWORTH, KS 66048**
0.381 mi.
2014 ft. **Site 1 of 4 in cluster C**

Relative:
Lower

Actual:
809 ft.

RCRA-NonGen:

Date form received by agency:	07/15/2005
Facility name:	CAPITAL ELEC LINE BUILDERS OF KS INC
Facility address:	1320 OTTAWA LEAVENWORTH, KS 66048
EPA ID:	KSD052297561
Mailing address:	OTTAWA LEAVENWORTH, KS 66048
Contact:	DALLAS THOMAS
Contact address:	OTTAWA LEAVENWORTH, KS 66048
Contact country:	US
Contact telephone:	(913) 682-2034
Contact email:	Not reported
EPA Region:	07
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ROBERT E DORAN III
Owner/operator address:	1320 OTTAWA LEAVENWORTH, KS 66048
Owner/operator country:	Not reported
Owner/operator telephone:	(913) 682-2034
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/0001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
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:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

CAPITAL ELECTRIC LINE (Continued) **1000264263**

Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 01/26/2004
Facility name: CAPITAL ELEC LINE BUILDERS OF KS INC
Classification: Not a generator, verified

Date form received by agency: 02/21/1997
Facility name: CAPITAL ELEC LINE BUILDERS OF KS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:
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.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D028
Waste name: 1,2-DICHLOROETHANE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

CAPITAL ELECTRIC LINE (Continued) **1000264263**

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.

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.

Violation Status: No violations found

FINDS:

Registry ID: 110003156325

Environmental Interest/Information System

KS-FP (Kansas - Facility Profiler) is a geographically-based data warehouse site that presents information about facilities and locations of interest to the KDHE. This site has in excess of twenty environmental interest which contains information on closed facilities, completed cleanups, and past operations as well as data on current operations and activities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C24
South
1/4-1/2
0.381 mi.
2014 ft.

CAPITAL ELECTRIC LINE **UST** **U002232871**
1320 OTTAWA **N/A**
LEAVENWORTH, KS 66048

Site 2 of 4 in cluster C

Relative:
Lower

Actual:
809 ft.

UST:

Facility ID:	04031
Facility Phone:	913-682-2034
Facility 911 Address:	1320 OTTAWA ST
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.32247/-94.93641
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-2034
Contact:	Jerry F Moschini

CAPITAL ELECTRIC LINE (Continued) **U002232871**

Contact Title: Equipment Manager
Owner ID: 04031
Owner: CAPITAL ELECTRIC LINE BUILDERS
Owner Type: Private Or Corp.
Owner/Rep Name: Jerry F Moschini
Owner/Rep Title: Equipment Mngr
Owner Tel: 913-682-2034
Owner Address: 1320 OTTAWA
Owner City, State, Zip: LEAVENWORTH, KS 66048
Owner County: LEAVENWORTH

Tank ID: 001
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 1/6/1999
Last Permit Printed: 7/15/1998
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 011999
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 002
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 1/6/1999
Last Permit Printed: 7/15/1998
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 011999
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 003
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported

CAPITAL ELECTRIC LINE (Continued) **U002232871**

Estimated Yr In Service: 1974
Date Removed: 1/6/1999
Last Permit Printed: 7/16/1998
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 011999
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic
Petroleum Substance: Used Oil
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 005
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Not reported
Petroleum Substance: Empty
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1966
Date Removed: 12/15/1990
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Unknown
Tank Internal Protection: None
Tank External Protection: Unknown
Out of Service Mo/Yr: 121990
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

C25 **ROBERT E. DORAN III PROPERTY** **SHWS** **S105429826**
South **1320 OTTAWA** **N/A**
1/4-1/2 **LEAVENWORTH, KS**
0.382 mi.
2017 ft. **Site 3 of 4 in cluster C**

Relative:
Lower

Actual:
809 ft.

SHWS:

Site ID:	1153
Has Env Use Control:	No
Project code:	C405271617
PM Name:	BER - STORAGE TANKS
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.3228 / -94.93651
River Basin:	Not reported
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	3/1/2002
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	Not reported
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Underground Storage Tank
Lead Agency:	BER - Storage Tanks
Contaminants:	VOC
Media Act:	Ground Water, Soil
Media Pot:	Soil
Source:	Underground Tank/Piping
Land Use:	Commercial, Industrial, Residential
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Transfer Within Bureau
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	8/7/2002
Narrative:	Phase II assessment conducted on former Capital Electric facility in October of 2001 indicated elevated levels of mercury, lead, arsenic in unfiltered ground water samples. Also detects of PCE, and BTEX constituents in groundwater. Site entered into the VCP. VCP agreement signed 4/23/02. VCI work plan was approved 05/02. Voluntary Cleannp Investigation completed 5/23/02 indicated high levels of MTBE and benzene in groundwater at 6100 ppb and 160 ppb, respectively. Contamination appears to be from a former tank basin. Mr. Doran was

ROBERT E. DORAN III PROPERTY (Continued) **S105429826**

encouraged to apply to the Underground Storage Tank Program for cleanup. Site transferred to UST upon application. Property is proposed for sell to be used as a bus barn. The site has been transferred to the Underground Storage Tank Program. For more information see Storage Tank Section Site: Capital Electric Construction Co.; Project Code: U4-052-12471. Site Status: Active.

Site ID:	1153
Has Env Use Control:	No
Project code:	C405271617
PM Name:	BER - STORAGE TANKS
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.3228 / -94.93651
River Basin:	Not reported
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	3/1/2002
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	Not reported
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Underground Storage Tank
Lead Agency:	BER - Storage Tanks
Contaminants:	VOC
Media Act:	Ground Water, Soil
Media Pot:	Soil
Source:	Underground Tank/Piping
Land Use:	Commercial, Industrial, Residential
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Voluntary Agreement
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	4/23/2002
Narrative:	Phase II assessment conducted on former Capital Electric facility in October of 2001 indicated elevated levels of mercury, lead, arsenic in unfiltered ground water samples. Also detects of PCE, and BTEX constituents in groundwater. Site entered into the VCP. VCP agreement signed 4/23/02. VCI work plan was approved 05/02. Voluntary Cleannp Investigation completed 5/23/02 indicated high levels of MTBE and

ROBERT E. DORAN III PROPERTY (Continued) **S105429826**

benzene in groundwater at 6100 ppb and 160 ppb, respectively. Contamination appears to be from a former tank basin. Mr. Doran was encouraged to apply to the Underground Storage Tank Program for cleanup. Site transferred to UST upon application. Property is proposed for sell to be used as a bus barn. The site has been transferred to the Underground Storage Tank Program. For more information see Storage Tank Section Site: Capital Electric Construction Co.; Project Code: U4-052-12471. Site Status: Active.

Site ID:	1153
Has Env Use Control:	No
Project code:	C405271617
PM Name:	BER - STORAGE TANKS
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.3228 / -94.93651
River Basin:	Not reported
Aquifer Yield:	Not reported
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	3/1/2002
Depth To GW:	11-20 feet
Depth To Bedrock:	11-20 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	Not reported
Acres Affected:	<5 acres
Waste Present:	No
Product Present:	No
Program:	Underground Storage Tank
Lead Agency:	BER - Storage Tanks
Contaminants:	VOC
Media Act:	Ground Water, Soil
Media Pot:	Soil
Source:	Underground Tank/Piping
Land Use:	Commercial, Industrial, Residential
Private well:	Not reported
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	Not reported
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Voluntary Cleanup Investigation (VCI)
Activity Status:	Completed
Activity Start Date:	5/3/2002
Activity End Date:	5/31/2002
Narrative:	Phase II assessment conducted on former Capital Electric facility in October of 2001 indicated elevated levels of mercury, lead, arsenic in unfiltered ground water samples. Also detects of PCE, and BTEX constituents in groundwater. Site entered into the VCP. VCP agreement

ROBERT E. DORAN III PROPERTY (Continued) **S105429826**

signed 4/23/02. VCI work plan was approved 05/02. Voluntary Cleannp Investigation completed 5/23/02 indicated high levels of MTBE and benzene in groundwater at 6100 ppb and 160 ppb, respectively. Contamination appears to be from a former tank basin. Mr. Doran was encouraged to apply to the Underground Storage Tank Program for cleanup. Site transferred to UST upon application. Property is proposed for sell to be used as a bus barn. The site has been transferred to the Underground Storage Tank Program. For more information see Storage Tank Section Site: Capital Electric Construction Co.; Project Code: U4-052-12471. Site Status: Active.

C26 **CAPITOL ELECTRIC** **LUST** **S101835288**
South **1320 OTTAWA** **N/A**
1/4-1/2 **LEAVENWORTH, KS**
0.382 mi.
2017 ft. **Site 4 of 4 in cluster C**

Relative:
Lower

Actual:
809 ft.

LUST:

Facility ID:	04031
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	12/5/1990
Project Number:	U4-052-00784
Project Name:	Capitol Electric
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

Facility ID:	04031
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	3/29/1999
Project Number:	U4-052-12471
Project Name:	Capital Electric Construction Co
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

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27 **LEAVITT PROPERTY** **LUST** **S103927129**
East **743 METROPOLITAN** **N/A**
1/2-1 **LEAVENWORTH, KS**
0.659 mi.
3478 ft.

Relative:
Lower

Actual:
858 ft.

LUST:

Facility ID:	81679
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	5/3/1999
Project Number:	U4-052-12549
Project Name:	Leavitt Property
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

28
East
1/2-1
0.739 mi.
3903 ft.

USD 207, PATTON JUNIOR HIGH
5 GRANT AVENUE
FT LEAVENWORTH, KS 66027

LUST **S108194841**
N/A

Relative:
Lower

Actual:
868 ft.

LUST:

Facility ID:	23462
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	6/1/1994
Project Number:	U4-052-01629
Project Name:	Usd 207, Patton Junior High
Legal Desc Section:	23
Legal Desc Township:	08S
Legal Desc Range:	22E

29
East
1/2-1
0.803 mi.
4239 ft.

SINCLAIR RETAIL
627 METROPOLITAN
LEAVENWORTH, KS 66048

LUST **U001111780**
UST **N/A**

Relative:
Lower

Actual:
846 ft.

LUST:

Facility ID:	08802
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/3/1995
Project Number:	U4-052-10690
Project Name:	Sinclair Retail
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	08802
Facility Phone:	801-524-2795
Facility 911 Address:	627 METROPOLITAN
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.32817/-94.91989
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	801-524-2795
Contact:	Craig Anderson
Contact Title:	Chief Engineer
Owner ID:	06397
Owner:	SINCLAIR MARKETING INC
Owner Type:	Private Or Corp.
Owner/Rep Name:	TRENT ALLEN
Owner/Rep Title:	CONTACT PERSON
Owner Tel:	801-524-2795
Owner Address:	550 EAST SOUTH TEMPLE
Owner City, State, Zip:	SALT LAKE CITY, UT 84102
Owner County:	SALT LAKE
Tank ID:	001
Tank Type:	U

SINCLAIR RETAIL (Continued) **U001111780**

Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1978
Date Removed:	11/15/1995
Last Permit Printed:	7/18/1995
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	111995
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	002
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1978
Date Removed:	11/15/1995
Last Permit Printed:	7/18/1995
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	111995
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	003
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1978
Date Removed:	11/15/1995
Last Permit Printed:	7/18/1995
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	111995
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

30
South
1/2-1
0.809 mi.
4271 ft.

1203 CHEROKEE
LEAVENWORTH, KS

SPILLS **S105284669**
N/A

Relative:
Lower

Actual:
806 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	Not reported
Cause Description:	Not reported
Cleanup Description:	physically removed.physical removal
Comments:	car stuck a pole-knocking transformer off-causing spill
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1990-08-13 00:00:00
Discovery Time:	0915
Spill Date:	1990-08-13 00:00:00
Spill Time:	0915
Discharger Name:	Kpl Gas Service
Discharger Facid:	Not reported
Discharger Org Id:	79844
Discharger Organization Type:	Not reported
Discharger Phone 1:	Not reported
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	Not reported
Discharger City,State, Zip:	,
Discharger Contact:	Not reported
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	NW
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	22E
Incident Section:	35
Incident Township:	08S
Did EPA Respond?:	Not reported
EPA Spill Number:	Not reported
Initial Entry By:	Not reported
Initial Entry Completed:	Not reported
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported

(Continued) **S105284669**

inircno:	Not reported
Old Spill Number:	900817-4MR1-1350
Reported Date:	1990-08-17 00:00:00
Reported Time:	1350
Incident Recorded By:	Meredith Roth
SSI Report:	Not reported
Spill Number:	3056
Spill Or Complaint:	Spill
Spill Stage:	Not reported
Through NRC:	Not reported
Updated By:	Not reported
Investigating Agency:	other
Hours Worked 1:	1
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Not reported
Investigated By 1:	Meredith Roth
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	5
Qty Spilled Comment 1:	Not reported
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	other oil
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	mineral oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	5
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	Not reported
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	Not reported
Notified:	Not reported

(Continued) **S105284669**

Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	transformer
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**1990-08-13 00:00:00**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Closed

31
SSE
1/2-1
0.819 mi.
4323 ft.

Relative:
Lower

Actual:
808 ft.

200 S 10TH ST
LEAVENWORTH, KS 66048

SPILLS **S106814372**
N/A

SPILLS:

Evacuation:	Not reported
Responders:	discharger
Reported Cause:	operator error
Cause Description:	Not reported
Cleanup Description:	Power washed pavement, applied sorbent material and disposed of solid wastephysical removal
Comments:	Although transformer was manufactured in 1987, oil was sampled for PCB analysis as a precaution. No personal property or structures were impacted per Bruce Caler. 01/21/05: Provided Spiller with letter requesting description of remedial response. T
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	2005-01-02
Discovery Time:	1730
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	Westar Energy
Discharger Facid:	Not reported
Discharger Org Id:	83497
Discharger Organization Type:	Private Industry/Company
Discharger Phone 1:	Not reported
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	818 Kansas Ave.
Discharger City,State, Zip:	Topeka, KS 66612
Discharger Contact:	Bruce Caler
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported

(Continued) **S106814372**

Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Kent Schierkolk
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2005-01-03
Reported Time:	1305
Incident Recorded By:	Kent Schierkolk
SSI Report:	Not reported
Spill Number:	28505
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	Tom Winn
Investigating Agency:	KDHE
Hours Worked 1:	0.3
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Tom Winn
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	4
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8012951
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	transformer oil
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	electrical insulating oil/mineral oil
Material Name 2:	Not reported
Material Name 3:	Not reported

(Continued) **S106814372**

Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	9277
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	NEDO
Notified:	KDHE
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	transformer
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**2005-01-27**
"Follow-up Required:	No
Response Required By:	Not reported
Status:	Closed

D32 **MERCURY-NORTH BROADWAY ST.** **CERCLIS** **1010782228**
SE **407 N. BROADWAY** **KSN000705813**
1/2-1 **LEAVENWORTH, KS 66048**
0.841 mi.
4442 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
819 ft.

CERCLIS:

Site ID:	0705813
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

CERCLIS Site Contact Name(s):

Contact Name:	JOHN FREY
Contact Tel:	(913) 551-7994
Contact Title:	On-Scene Coordinator (OSC)

Site Description: Private Residence

CERCLIS Assessment History:

Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	01/08/08
Date Completed:	08/25/08
Priority Level:	Cleaned up

D33
SE
1/2-1
0.841 mi.
4442 ft.

407 N BROADWAY ST
LEAVENWORTH, KS 66048

Site 2 of 2 in cluster D

SPILLS **S109118561**
N/A

Relative:
Lower

Actual:
819 ft.

SPILLS:

Evacuation:	Not reported
Responders:	discharger;EPA
Reported Cause:	operator error
Cause Description:	Not reported
Cleanup Description:	EPA oversaw and validated the clean upphysical removal
Comments:	While removing a boiler from a residence mercury was spilled from a Honeywell heat generator. The mercury was released onto the residences driveway and into a service van of the reporting party. John Frey and Eric Nold were mobilized to the site to scree
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	2008-01-03
Discovery Time:	1200
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	J F Denney Plumbing & Heating
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Industry/Company
Discharger Phone 1:	913-682-2182
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	76 Ash St
Discharger City,State, Zip:	Leavenworth, KS 66048
Discharger Contact:	John Denney
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Kent Schierkolk
Initial Entry Completed:	Yes

(Continued) **S109118561**

KCC Spill Number:	Not reported
Method Receive Initial Call:	Spiller
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2008-01-10
Reported Time:	1000
Incident Recorded By:	Kent Schierkolk
SSI Report:	Not reported
Spill Number:	30556
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	Kent Schierkolk
Investigating Agency:	KDHE
Hours Worked 1:	0.5
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	No
Investigated By 1:	Kent Schierkolk
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	28
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	Not reported
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	metals
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	mercury
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	Not reported
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	pounds
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	other;soil
Media Waterway:	Not reported

(Continued) **S109118561**

Media Waterway Type:	Not reported
Who Notified:	NEDO
Notified:	NRC, KDHE, EPA
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	other
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**2008-06-16**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Closed

---

34 **SPILLS** **S105969360**
NNE **325 KANSAS AVE** **N/A**
1/2-1 **FORT LEAVENWORTH, KS 66027**
0.866 mi.
4574 ft.

Relative:
Lower

Actual:
844 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	Not reported
Comments:	9/11/03 (DW) --- The fire valve under the dispenser had a crack along the side of it which caused it to leak gasoline. They estimate the valve has been leaking for 5 days. Inventory records do not show any reportable loss. A compliance inspection will
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	2003-09-11
Discovery Time:	1100
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	Post Exchange Service Station
Discharger Facid:	Not reported
Discharger Org Id:	88414
Discharger Organization Type:	Federal
Discharger Phone 1:	913-684-8976
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	325 Kansas Ave
Discharger City,State, Zip:	Fort Leavenworth, KS 66027
Discharger Contact:	Richard Wilms
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported

(Continued) **S105969360**

Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Kent Schierkolk
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2003-09-11
Reported Time:	1420
Incident Recorded By:	Kent Schierkolk
SSI Report:	Not reported
Spill Number:	27620
Spill Or Complaint:	Spill
Spill Stage:	referred
Through NRC:	Unknown
Updated By:	Kent Schierkolk
Investigating Agency:	KDHE
Hours Worked 1:	Not reported
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Dan Wells
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	Not reported
Qty Spilled Comment 1:	unknown
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8006619
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	gasoline

(Continued) **S105969360**

Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1203
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	soil
Media Waterway:	Not reported
Media Waterway Type:	Not reported
Who Notified:	NEDO
Notified:	Not reported
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	fixed facility;UST
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**2003-09-12**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Referred for further evaluation or remediation
Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	equipment failure
Cause Description:	Not reported
Cleanup Description:	absorbent captured much of the fuel, fuel that escaped into drain was diluted with storm water, recovery from storm drain was not practical due to high volume of storm water flowing through itdilution;no clean-up;physical removal
Comments:	Response to spill adequate. Probable impact to surface water would be negligible due to the dilution factors. No additional work would be practical. TKW
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported
Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	2008-04-03
Discovery Time:	1100
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	Post Exchange Service Station
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Industry/Company
Discharger Phone 1:	913-684-3302
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported

(Continued) **S105969360**

Discharger Ext. 2:	Not reported
Discharger Address:	325 Kansas Ave
Discharger City,State, Zip:	Leavenworth, KS 66027
Discharger Contact:	Ron Gunther
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Kent Schierkolk
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Local Public Agency
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	2008-04-03
Reported Time:	1310
Incident Recorded By:	Kent Schierkolk
SSI Report:	Not reported
Spill Number:	30740
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	Tom Winn
Investigating Agency:	KDHE
Hours Worked 1:	1
Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Tom Winn
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	10
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8006619

(Continued) **S105969360**

Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	fuels
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	unknown
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	gasoline
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	Not reported
Qty Recovered Comment 1:	Not reported
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	1203
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	other;surface water
Media Waterway:	Not reported
Media Waterway Type:	storm sewer
Who Notified:	NEDO
Notified:	KDHE
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	fixed facility
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**2008-07-23**
"Follow-up Required:	No
Response Required By:	Not reported
Status:	Closed

35
ESE
1/2-1
0.907 mi.
4788 ft.

721 OSAGE
LEAVENWORTH, KS 66048

SPILLS **S105279025**
N/A

Relative:
Lower

Actual:
806 ft.

SPILLS:

Evacuation:	Not reported
Responders:	Not reported
Reported Cause:	other
Cause Description:	Not reported
Cleanup Description:	physical removal
Comments:	Not reported
Damage Description:	Not reported
Damage Number Of Deaths:	Not reported

(Continued) **S105279025**

Damage Number If Injuries:	Not reported
Property Damage > $50,000:	Undetermined
Discovery Date:	1987-12-04
Discovery Time:	0000
Spill Date:	Not reported
Spill Time:	Not reported
Discharger Name:	KPL
Discharger Facid:	Not reported
Discharger Org Id:	Not reported
Discharger Organization Type:	Private Industry/Company
Discharger Phone 1:	913-682-4924
Discharger Ext. 1:	Not reported
Discharger Phone 2:	Not reported
Discharger Ext. 2:	Not reported
Discharger Address:	1820 Second Ave
Discharger City,State, Zip:	Leavenworth, KS 66048
Discharger Contact:	Chet Clubine
District:	NE
incgpssour:	Not reported
Highway Designation:	Not reported
Highway Type:	Not reported
KCC District:	Chanute
Latitude:	Not reported
Latitude min:	Not reported
Latitude sec:	Not reported
Lease Number:	Not reported
Longitude:	Not reported
Longitude min:	Not reported
Longitude sec:	Not reported
Mile Post:	Not reported
incqtr1:	Not reported
incqtr2:	Not reported
incqtr3:	Not reported
incqtr4:	Not reported
Incident Range:	Not reported
Incident Section:	Not reported
Incident Township:	Not reported
Did EPA Respond?:	Unknown
EPA Spill Number:	Not reported
Initial Entry By:	Pierre Sutphin
Initial Entry Completed:	Yes
KCC Spill Number:	Not reported
Method Receive Initial Call:	Not reported
Multiple Report:	Not reported
inircno:	Not reported
Old Spill Number:	Not reported
Reported Date:	1987-12-04
Reported Time:	0000
Incident Recorded By:	Not reported
SSI Report:	Not reported
Spill Number:	17241
Spill Or Complaint:	Spill
Spill Stage:	Initial Assessment
Through NRC:	Unknown
Updated By:	TW Wilson
Investigating Agency:	KDHE
Hours Worked 1:	1

(Continued) **S105279025**

Hours Worked 2:	Not reported
Hours Worked 3:	Not reported
State Visited By KDHE?:	Unknown
Investigated By 1:	Marvin Glotzbach
Investigated By 2:	Not reported
Investigated By 3:	Not reported
Quantity Spilled 1:	1
Qty Spilled Comment 1:	estimated
Quantity Spilled 2:	Not reported
Qty Spilled Comment 2:	Not reported
Quantity Spilled 3:	Not reported
Qty Spilled Comment 3:	Not reported
Case Number 1:	8012951
Case Number 2:	Not reported
Case Number 3:	Not reported
Class 1:	transformer oil (non-PCB)
Class 2:	Not reported
Class 3:	Not reported
Qty Spilled In Water 1:	Not reported
Qty Spilled In Water Comment 1:	Not reported
Qty Spilled In Water 2:	Not reported
Qty Spilled In Water Comment 2:	Not reported
Qty Spilled In Water 3:	Not reported
Qty Spilled In Water Comment 3:	Not reported
Material Name 1:	electrical insulating oil/mineral oil
Material Name 2:	Not reported
Material Name 3:	Not reported
Qty Recovered 1:	1
Qty Recovered Comment 1:	estimated
Qty Recovered 2:	Not reported
Qty Recovered Comment 2:	Not reported
Qty Recovered 3:	Not reported
Qty Recovered Comment 2:	Not reported
Material UNDOT Number 1:	9277
Material UNDOT Number 2:	Not reported
Material UNDOT Number 3:	Not reported
Unit 1:	gallons
Unit 2:	Not reported
Unit 3:	Not reported
Media Affected:	ground water
Media Waterway:	Not reported
Media Waterway Type:	none
Who Notified:	Not reported
Notified:	Not reported
Spill Report:	Yes
Description:	Not reported
Number Of Tanks:	Not reported
Source Of Spill:	transformer
Tank Capacity:	Not reported
Tank Unit:	Not reported
Vehicle ID:	Not reported
Close Date:	**1987-12-04**
"Follow-up Required:	Not reported
Response Required By:	Not reported
Status:	Closed

E36 **DORIS GET & GO** **LUST** **S101835255**
SE **111 N BROADWAY** **N/A**
1/2-1 **LEAVENWORTH, KS**
0.976 mi.
5155 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
791 ft.

LUST:

Facility ID:	03050
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	12/10/1992
Project Number:	U4-052-00015
Project Name:	Doris Get & Go
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

E37 **FOREMOST DAIRY (FORMER)** **LUST** **S101901113**
SE **753 SHAWNEE** **N/A**
1/2-1 **LEAVENWORTH, KS**
0.988 mi.
5216 ft. **Site 2 of 3 in cluster E**

Relative:
Lower

Actual:
790 ft.

LUST:

Facility ID:	81139
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/8/1994
Project Number:	U4-052-10051
Project Name:	Foremost Dairy (former)
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

E38 **LUST** **S106423280**
SE **744 SHAWNEE** **N/A**
1/2-1 **LEAVENWORTH, KS**
0.989 mi.
5223 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Actual:
790 ft.

LUST:

Facility ID:	82161
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	9/13/1991
Project Number:	U4-052-01082
Project Name:	Elliot, Harlan
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

39
East
> 1
1.016 mi.
5362 ft.

FORMER CAR DEALERSHIP
4TH & CHEYENNE
LEAVENWORTH, KS 66046

LUST **S106782251**
N/A

Relative:
Lower

Actual:
844 ft.

LUST:

Facility ID:	82542
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	8/27/2004
Project Number:	U4-052-13606
Project Name:	Former Car Dealership
Legal Desc Section:	25
Legal Desc Township:	08S
Legal Desc Range:	22E

F40
SE
> 1
1.034 mi.
5461 ft.

PELLMAN OIL, FORMER
201 S BROADWAY
LEAVENWORTH, KS 66048

Site 1 of 2 in cluster F

LUST **S102843962**
N/A

Relative:
Lower

Actual:
784 ft.

LUST:

Facility ID:	02794
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	7/28/1996
Project Number:	U4-052-11765
Project Name:	Pellman Oil Co, Former
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

F41
SE
> 1
1.038 mi.
5480 ft.

THOMAS OIL CO
210 S BROADWAY
LEAVENWORTH, KS 66048

Site 2 of 2 in cluster F

RCRA-CESQG **1004701939**
FINDS **KSD031314396**
LUST

Relative:
Lower

Actual:
783 ft.

RCRA-CESQG:

Date form received by agency:	01/07/1987
Facility name:	THOMAS OIL CO
Facility address:	210 S BROADWAY LEAVENWORTH, KS 66048
EPA ID:	KSD031314396
Mailing address:	P O BOX 894 LEAVENWORTH, KS 66048
Contact:	JAMES THOMAS
Contact address:	P O BOX 894 LEAVENWORTH, KS 66048
Contact country:	US
Contact telephone:	(913) 682-1251
Contact email:	Not reported
EPA Region:	07
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

THOMAS OIL CO (Continued) **1004701939**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 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; 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 at any time: 1 kg or less of acutely hazardous waste; or 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

Owner/Operator Summary:

Owner/operator name:	THOMAS OIL CO
Owner/operator address:	210 S BROADWAY LEAVENWORTH, KS 66048
Owner/operator country:	Not reported
Owner/operator telephone:	(913) 682-1251
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Unknown
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:	No
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
Off-site waste receiver:	Verified to be non-commercial

Hazardous Waste Summary:

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.
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

THOMAS OIL CO (Continued) **1004701939**

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.

Violation Status: No violations found

FINDS:

Registry ID: 110003151767

Environmental Interest/Information System

KS-FP (Kansas - Facility Profiler) is a geographically-based data warehouse site that presents information about facilities and locations of interest to the KDHE. This site has in excess of twenty environmental interest which contains information on closed facilities, completed cleanups, and past operations as well as data on current operations and activities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID:	20800
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	1/14/1991
Project Number:	U4-052-00824
Project Name:	Thomas Oil
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

G42 **KERN'S SERVICE STATION** **LUST U000870963**
SE **748 DELAWARE** **UST N/A**
> 1 **LEAVENWORTH, KS 66048**
1.077 mi.
5686 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
786 ft.

LUST:

Facility ID:	05133
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	6/11/2000
Project Number:	U4-052-12934
Project Name:	Kerns Service Station
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

Facility ID:	05133
Site Status:	**Closed**
Release Date:	Not reported

KERN'S SERVICE STATION (Continued) **U000870963**

Initial Report Date:	5/18/2007
Project Number:	U4-052-13918
Project Name:	Kern's Service Station
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	05133
Facility Phone:	CLOSED
Facility 911 Address:	748 DELAWARE
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.31751/-94.92101
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-4303
Contact:	M L Kern Jr OR MARY KERN
Contact Title:	Owner/CONTACT PERSON
Owner ID:	05133
Owner:	KERN OIL CO., INC.
Owner Type:	Current
Owner/Rep Name:	M L Kern Jr
Owner/Rep Title:	Owner
Owner Tel:	913-682-5181
Owner Address:	917 MIAMI
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH

Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Not reported**
Petroleum Substance:	Diesel
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1966
Date Removed:	5/12/2007
Last Permit Printed:	6/17/2004
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	05/12/
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	002
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1966

KERN'S SERVICE STATION (Continued) **U000870963**

Date Removed:	5/12/2007
Last Permit Printed:	6/17/2004
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	Int Lining
Tank External Protection:	Painted
Out of Service Mo/Yr:	5/12/2
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	003
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1966
Date Removed:	5/12/2007
Last Permit Printed:	6/17/2004
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	5/12/2
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported

G43 **FIRESTONE #4455** **LUST** **S101835331**
SE **714 DELAWARE ST** **N/A**
> 1 **LEAVENWORTH, KS**
1.108 mi.
5848 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
789 ft.

LUST:

Facility ID:	27674
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	5/5/1993
Project Number:	U4-052-01415
Project Name:	Firestone #4455
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

44
SE
> 1
1.130 mi.
5968 ft.

SW BELL TELEPHONE
615 SHAWNEE
LEAVENWORTH, KS 66048

LUST **S101835338**
N/A

Relative:
Lower

Actual:
816 ft.

LUST:

Facility ID:	08821
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	7/7/1994
Project Number:	U4-052-01630
Project Name:	Sw Bell Telephone
Legal Desc Section:	25
Legal Desc Township:	08S
Legal Desc Range:	22E

H45
SE
> 1
1.144 mi.
6042 ft.

NORGE VILLAGE
716 CHEROKEE
LEAVENWORTH, KS

Site 1 of 3 in cluster H

SHWS **S101835286**
LUST **N/A**

Relative:
Lower

Actual:
783 ft.

SHWS:

Site ID:	1155
Has Env Use Control:	No
Project code:	C405271690
PM Name:	YANKEY, S.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.31717 / -94.9191
River Basin:	Missouri
Aquifer Yield:	Alluvial
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	5/29/2003
Depth To GW:	11-20 feet
Depth To Bedrock:	0-10 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	S
Acres Affected:	Unknown
Waste Present:	No
Product Present:	No
Program:	Drycleaning
Lead Agency:	BER - Assessment and Restoration
Contaminants:	VOC
Media Act:	Ground Water
Media Pot:	Soil
Source:	Drycleaner
Land Use:	Commercial, Industrial
Private well:	Monitoring
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported

NORGE VILLAGE (Continued) **S101835286**

Remedir:	Not reported
Alias:	KAAZ CONSTRUCTION -- PCE
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Transfer Within Bureau
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	11/30/2002
Narrative:	Chlorinated solvents were detected in a monitoring well at the Kaaz Construction UST Site in July, 2002. A Site Reconnaissance and Evaluation completed in November, 2002 confirmed the release and identified the former Norge Village drycleaner facility at 711 Delaware as the likely source area for PCE contamination in ground water at the site. 6/12/03: Accepted into Dry Cleaning Trust Fund and prioritized for fund expenditure. Site does not rank high enough for immediate funding, therefore it was placed on the backlog list for future corrective action.
Site ID:	1155
Has Env Use Control:	No
Project code:	C405271690
PM Name:	YANKEY, S.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.31717 / -94.9191
River Basin:	Missouri
Aquifer Yield:	Alluvial
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	5/29/2003
Depth To GW:	11-20 feet
Depth To Bedrock:	0-10 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	S
Acres Affected:	Unknown
Waste Present:	No
Product Present:	No
Program:	Drycleaning
Lead Agency:	BER - Assessment and Restoration
Contaminants:	VOC
Media Act:	Ground Water
Media Pot:	Soil
Source:	Drycleaner
Land Use:	Commercial, Industrial
Private well:	Monitoring
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	KAAZ CONSTRUCTION -- PCE
Eucan Number:	Not reported

NORGE VILLAGE (Continued) **S101835286**

Date:	Not reported
Activity Type:	Site Reconnaissance and Evaluation
Activity Status:	Completed
Activity Start Date:	Not reported
Activity End Date:	11/30/2002
Narrative:	Chlorinated solvents were detected in a monitoring well at the Kaaz Construction UST Site in July, 2002. A Site Reconnaissance and Evaluation completed in November, 2002 confirmed the release and identified the former Norge Village drycleaner facility at 711 Delaware as the likely source area for PCE contamination in ground water at the site. 6/12/03: Accepted into Dry Cleaning Trust Fund and prioritized for fund expenditure. Site does not rank high enough for immediate funding, therefore it was placed on the backlog list for future corrective action.
Site ID:	1155
Has Env Use Control:	No
Project code:	C405271690
PM Name:	YANKEY, S.
Site Status:	**Active**
District Office:	NEDO
Lat/Long:	39.31717 / -94.9191
River Basin:	Missouri
Aquifer Yield:	Alluvial
Other Aquifers:	Not reported
Parent PC:	Not reported
Parent Name:	Not reported
CERCLIS ID:	Not reported
Discovery Date:	5/29/2003
Depth To GW:	11-20 feet
Depth To Bedrock:	0-10 feet
Aquifer Yield:	0-10 gpm
GW Flow Direction:	S
Acres Affected:	Unknown
Waste Present:	No
Product Present:	No
Program:	Drycleaning
Lead Agency:	BER - Assessment and Restoration
Contaminants:	VOC
Media Act:	Ground Water
Media Pot:	Soil
Source:	Drycleaner
Land Use:	Commercial, Industrial
Private well:	Monitoring
Waste Present:	Not reported
Product:	Not reported
Receptor Act:	Not reported
Receptor Pot:	Not reported
Remed Air:	Not reported
Remed Soil:	Not reported
Remed Water:	Not reported
Remedir:	Not reported
Alias:	KAAZ CONSTRUCTION -- PCE
Eucan Number:	Not reported
Date:	Not reported
Activity Type:	Application to Program
Activity Status:	Completed

NORGE VILLAGE (Continued) **S101835286**

Activity Start Date: 3/3/2003
Activity End Date: 6/12/2003
Narrative: Chlorinated solvents were detected in a monitoring well at the Kaaz Construction UST Site in July, 2002. A Site Reconnaissance and Evaluation completed in November, 2002 confirmed the release and identified the former Norge Village drycleaner facility at 711 Delaware as the likely source area for PCE contamination in ground water at the site. 6/12/03: Accepted into Dry Cleaning Trust Fund and prioritized for fund expenditure. Site does not rank high enough for immediate funding, therefore it was placed on the backlog list for future corrective action.

LUST:
Facility ID: 04067
Site Status: **Closed**
Release Date: Not reported
Initial Report Date: 11/13/1990
Project Number: U4-052-00768
Project Name: Kaaz Construction
Legal Desc Section: 36
Legal Desc Township: 08S
Legal Desc Range: 22E

H46 **LEXECO SHOP** **LUST U000874346**
SE **715 CHEROKEE** **UST N/A**
> 1 **LEAVENWORTH, KS 66048**
1.148 mi.
6062 ft. **Site 2 of 3 in cluster H**

Relative:
Lower

Actual:
783 ft.

LUST:
Facility ID: 29134
Site Status: **Closed**
Release Date: Not reported
Initial Report Date: 2/3/2005
Project Number: U4-052-13658
Project Name: Lexaco Shop
Legal Desc Section: 36
Legal Desc Township: 08S
Legal Desc Range: 22E

Facility ID: 29134
Site Status: **Closed**
Release Date: Not reported
Initial Report Date: 11/13/1990
Project Number: U4-052-00771
Project Name: Lexeco
Legal Desc Section: 36
Legal Desc Township: 08S
Legal Desc Range: 22E

UST:
Facility ID: 29134
Facility Phone: 913-682-3584
Facility 911 Address: 715 CHEROKEE
Facility 911 City, State, Zip: LEAVENWORTH, KS 66048
Facility District: NE
Facility Location Method: GARMIN 3 PLUS

LEXECO SHOP (Continued) **U000874346**

Facility Lat/Long:	39.31652/-94.91906
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-3584
Contact:	Greg D. Kaaz
Contact Title:	Vice President
Owner ID:	27842
Owner:	LEAVENWORTH EXCAVATING & EQUIP
Owner Type:	Private Or Corp.
Owner/Rep Name:	Greg D Kaaz
Owner/Rep Title:	Vice-president
Owner Tel:	913-682-3584
Owner Address:	716 CHEROKEE
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH

Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Not reported**
Petroleum Substance:	Diesel
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1989
Date Removed:	1/28/2005
Last Permit Printed:	6/10/2004
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Fbr Ref Plstc
Tank Internal Protection:	Cat Prot
Tank External Protection:	Cat Prot,Painted,Other,ENCASED C
Out of Service Mo/Yr:	01/28/
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported

Tank ID:	002
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1989
Date Removed:	1/28/2005
Last Permit Printed:	6/10/2004
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Fbr Ref Plstc
Tank Internal Protection:	Cat Prot
Tank External Protection:	Cat Prot,Painted,Other,ENCASED C
Out of Service Mo/Yr:	01/28/
QTY Remaining in Tank:	Not reported
Filled/Removed:	Removed
Tank Empty:	Not reported

H47 **TOM'S SERVICE** **LUST** **S106782245**
SE **7TH & CHEROKEE** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.173 mi.
6191 ft. **Site 3 of 3 in cluster H**

Relative:
Lower

Actual:
785 ft.

LUST:

Facility ID:	30340
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	8/4/2004
Project Number:	U4-052-13596
Project Name:	Tom's Service
Legal Desc Section:	26
Legal Desc Township:	08S
Legal Desc Range:	22E

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48 **AMOCO** **LUST** **S105432448**
ESE **4TH & MIAMI** **N/A**
> 1 **LEAVENWORTH, KS**
1.198 mi.
6323 ft.

Relative:
Lower

Actual:
809 ft.

LUST:

Facility ID:	15396
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	5/11/1988
Project Number:	U4-052-00321
Project Name:	Amoco
Legal Desc Section:	25
Legal Desc Township:	08S
Legal Desc Range:	22E

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49 **COLLARD CHEVROLET CO** **LUST** **U000872018**
SE **6TH & CHEROKEE** **UST** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.227 mi.
6478 ft.

Relative:
Lower

Actual:
790 ft.

LUST:

Facility ID:	12936
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/13/1990
Project Number:	U4-052-00752
Project Name:	Collard Chev
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	12936
Facility Phone:	913-682-4600
Facility 911 Address:	6TH & CHEROKEE
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS

COLLARD CHEVROLET CO (Continued) **U000872018**

Facility Lat/Long:	39.31708/-94.91659
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-682-4600
Contact:	Brad Collard
Contact Title:	New Car Manager
Owner ID:	12936
Owner:	COLLARD CHEVROLET CO
Owner Type:	Private Or Corp.
Owner/Rep Name:	E Bert Collard Jr
Owner/Rep Title:	Owner
Owner Tel:	913-682-4600
Owner Address:	6TH & CHEROKEE
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	052
Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic**
Petroleum Substance:	Used Oil
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1954
Date Removed:	11/15/1990
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Bare Steel
Tank Internal Protection:	Unknown
Tank External Protection:	Unknown
Out of Service Mo/Yr:	111990
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

I50 **LEAVENWORTH, CITY HALL** **LUST** **S102688650**
ESE **100 N 5TH (& SHAWNEE)** **N/A**
> 1 **LEAVENWORTH, KS**
1.303 mi.
6881 ft. **Site 1 of 2 in cluster I**

Relative:
Lower

Actual:
803 ft.

LUST:

Facility ID:	12787
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	2/22/1991
Project Number:	U4-052-00869
Project Name:	Leavenworth City Hall
Legal Desc Section:	18
Legal Desc Township:	09S
Legal Desc Range:	22E

51
SE
> 1
1.304 mi.
6885 ft.

LEXECO
6TH & SHORT
LEAVENWORTH, KS

LUST **S105434894**
N/A

Relative:
Lower

Actual:
772 ft.

LUST:

Facility ID:	82157
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/13/1990
Project Number:	U4-052-00770
Project Name:	Lexeco
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

I52
ESE
> 1
1.316 mi.
6948 ft.

US POST OFFICE & FEDERAL BLDG
330 SHAWNEE
LEAVENWORTH, KS

Site 2 of 2 in cluster I

LUST **S101835311**
N/A

Relative:
Lower

Actual:
803 ft.

LUST:

Facility ID:	26301
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	9/25/1992
Project Number:	U4-052-01303
Project Name:	Us Postal Ofc & Federal Bldg
Legal Desc Section:	25
Legal Desc Township:	08S
Legal Desc Range:	22E

J53
SSE
> 1
1.321 mi.
6977 ft.

PETRO PANTRY # 7
801 SPRUCE
LEAVENWORTH, KS 66048

Site 1 of 2 in cluster J

LUST **S110311001**
N/A

Relative:
Lower

Actual:
812 ft.

LUST:

Facility ID:	25462
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	4/15/2010
Project Number:	U4-052-14241
Project Name:	Petro Pantry # 7
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

J54 **WOOD OIL CO. #1** **LUST** **U000871202**
SSE **788 SPRUCE** **UST** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.337 mi.
7057 ft. **Site 2 of 2 in cluster J**

Relative:
Lower

Actual:
818 ft.

LUST:

Facility ID:	06470
Site Status:	**Monitor**
Release Date:	6/28/1995
Initial Report Date:	6/28/1995
Project Number:	U4-052-10445
Project Name:	Wood Oil #1
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

Facility ID:	06470
Site Status:	**Monitor**
Release Date:	Not reported
Initial Report Date:	10/27/1992
Project Number:	U4-052-01320
Project Name:	Wood Oil #1
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	06470
Facility Phone:	913-682-6026
Facility 911 Address:	788 SPRUCE
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.31054/-94.92403
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-290-0224
Contact:	DON SAUNDERS
Contact Title:	CONTACT PERSON
Owner ID:	04837
Owner:	CHARLES R. WOOD OIL CO. INC.
Owner Type:	Current
Owner/Rep Name:	CHARLES R. WOOD
Owner/Rep Title:	OWNER
Owner Tel:	913-727-1163
Owner Address:	PO BOX 67 - 4701 BREWER PLACE
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH

Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1964
Date Removed:	10/15/1992
Last Permit Printed:	Not reported

WOOD OIL CO. #1 (Continued) **U000871202**

Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: Int Lining
Tank External Protection: None
Out of Service Mo/Yr: 101992
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 002
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1964
Date Removed: 10/15/1992
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: Int Lining
Tank External Protection: None
Out of Service Mo/Yr: 101992
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 003
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1974
Date Removed: 10/15/1992
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: None
Out of Service Mo/Yr: 101992
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported

WOOD OIL CO. #1 (Continued) **U000871202**

Estimated Yr In Service: 1992
Date Removed: Not reported
Last Permit Printed: 7/16/2009
Current Permit Printed: 7/6/2010
Material of Construction: Fbr Ref Plastic
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Fbr Ref Plstc Coat
Out of Service Mo/Yr: 001900
QTY Remaining in Tank: 0
Filled/Removed: Not reported
Tank Empty: Not reported

Tank ID: 005
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1992
Date Removed: Not reported
Last Permit Printed: 7/16/2009
Current Permit Printed: 7/6/2010
Material of Construction: Fbr Ref Plastic
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Fbr Ref Plstc Coat
Out of Service Mo/Yr: 001900
QTY Remaining in Tank: 0
Filled/Removed: Not reported
Tank Empty: Not reported

Tank ID: 006
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1992
Date Removed: Not reported
Last Permit Printed: 7/16/2009
Current Permit Printed: 7/6/2010
Material of Construction: Fbr Ref Plastic
Piping: Fbr Ref Plstc
Tank Internal Protection: None
Tank External Protection: Fbr Ref Plstc Coat
Out of Service Mo/Yr: 001900
QTY Remaining in Tank: 0
Filled/Removed: Not reported
Tank Empty: Not reported

K55 **JERRY'S 66 SERVICE** **LUST** **S106781890**
ESE **400 CHEROKEE** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.346 mi.
7109 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
792 ft.

LUST:

Facility ID:	00807
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	6/22/1994
Project Number:	U4-052-01628
Project Name:	Jerry's 66 Service
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

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56 **MCI, QUINDARO** **LUST** **S101836231**
SSW **18TH ST** **N/A**
> 1 **KANSAS CITY, KS 66112**
1.349 mi.
7121 ft.

Relative:
Lower

Actual:
851 ft.

LUST:

Facility ID:	25090
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	8/18/1994
Project Number:	U4-105-01690
Project Name:	Mci, Quindaro
Legal Desc Section:	29
Legal Desc Township:	10S
Legal Desc Range:	25E

K57 **PHILLIPS 66, LEAVENWORTH** **LUST** **S106422326**
ESE **4TH & CHEROKEE** **N/A**
> 1 **LEAVENWORTH, KS**
1.349 mi.
7123 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
792 ft.

LUST:

Facility ID:	00807
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	10/29/1990
Project Number:	U4-052-00739
Project Name:	Phillips 66
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

58
SSW
> 1
1.413 mi.
7460 ft.

COOK OIL
19TH & SPRUCE
LEAVENWORTH, KS 66048

LUST **U000872583**
UST **N/A**

Relative:
Lower

Actual:
855 ft.

LUST:

Facility ID:	25005
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	5/17/1991
Project Number:	U4-052-00945
Project Name:	Cook Oil
Legal Desc Section:	34
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	25005
Facility Phone:	913-651-6179
Facility 911 Address:	19TH & SPRUCE
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.31042/-94.94958
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-651-6179
Contact:	Not reported
Contact Title:	Manager
Owner ID:	04839
Owner:	COOK OIL CO INC
Owner Type:	Private Or Corp.
Owner/Rep Name:	John Peel
Owner/Rep Title:	Not reported
Owner Tel:	785-357-6161
Owner Address:	12TH FLOOR 1ST NATIONAL BANK T
Owner City, State, Zip:	TOPEKA, KS 66603
Owner County:	Not reported
Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Fire,Chronic,Acute**
Petroleum Substance:	Gas (Incl Alcohol)
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1978
Date Removed:	5/15/1991
Last Permit Printed:	Not reported
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Galv Steel
Tank Internal Protection:	None
Tank External Protection:	Painted
Out of Service Mo/Yr:	051991
QTY Remaining in Tank:	0
Filled/Removed:	Removed
Tank Empty:	Not reported

COOK OIL (Continued) **U000872583**

Tank ID: 002
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1978
Date Removed: 5/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 051991
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 003
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Gas (Incl Alcohol)
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1978
Date Removed: 5/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 051991
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 004
Tank Type: U
Tank Status: Permanently Out Of Use
Hazards: Not reported
Petroleum Substance: Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1978
Date Removed: 5/15/1991
Last Permit Printed: Not reported
Current Permit Printed: Not reported
Material of Construction: Steel
Piping: Galv Steel
Tank Internal Protection: None
Tank External Protection: Painted
Out of Service Mo/Yr: 051991
QTY Remaining in Tank: 0
Filled/Removed: Removed

COOK OIL (Continued) **U000872583**

Tank Empty: Not reported

59
WSW
> 1
1.423 mi.
7514 ft.

SOUTHWESTERN BELL TELEPHONE **LUST** **S101835333**
16623 SHAWNEE RD. **N/A**
LEAVENWORTH, KS

Relative:
Higher

Actual:
1041 ft.

LUST:

Facility ID:	08845
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	10/20/1993
Project Number:	U4-052-01527
Project Name:	Sw Bell Telephone
Legal Desc Section:	32
Legal Desc Township:	08S
Legal Desc Range:	22E

60
NE
> 1
1.428 mi.
7541 ft.

KCDA NIKE 80-RADAR AREA **FUDS** **1007211731**
N/A
LEAVENWORTH, KS

Relative:
Lower

Actual:
836 ft.

FUDS:

Federal Facility ID:	KS9799F9815
FUDS #:	B07KS0990
INST ID:	54472
Facility Name:	KCDA NIKE 80-RADAR AREA
City:	LEAVENWORTH
State:	KS
EPA Region:	7
County:	LEAVENWORTH
Congressional District:	02
US Army District:	Kansas City District (NWK)
Fiscal Year:	2009
Telephone:	816-389-3072
NPL Status:	Not reported
RAB:	Not reported
CTC:	14.79785
Current Owner:	PRIVATE

FUDS Description Details:

This site has 23.5 acres. Acquisition for the site was mainly public domain land from Fort Leavenworth beginning 26 March 1956. The Nike 80 Radar site is located on Government Hill near Fort Leavenworth. Based on a map 1999 generated from a KDHE/BER site visit, the site now consists of three buildings, a metal shed, a 30 by 30-ft concrete slab, a parking lot, walkways, a concrete tower, various pipes and piping, and retaining walls. Alias: KCDA Nike 80 Radar. Alias: KCDA Nike 80 Radar

FUDS History Details:

Army constructed Nike battery as a defensive weapons system to protect the greater Kansas City area. Seven semi-permanent buildings were

KCDA NIKE 80-RADAR AREA (Continued) **1007211731**

constructed at the site; fallout shelter, a shop, engine generator structure, 11-man barracks, water building, an nd sentry box. Other features included septic tanks, sewer lines, roads, electrical distribution system, drainage structures, a 5,000 gal. UST and 479 ft. of concrete tower pads. The site was deactivated14 August 1968. The radar area was declared exc cess on 21 March 1973 and transferred to the General Services Administration on 8 October 1974. An INPR was done on 28 June 1996 and a USACE property Report on 1 July 1998. KDHE and USACE performed a joint site visit on 18 Aug. 2003. Two potential US ST vent pipes were identified, however a letter from the property owner to the USACE dated 8 Oct. 2003, did not grant access to complete the tank removal.

FUDS Current Program Details:

FUDS CON/HTRW: Due to holes in the UST, the CENWK Contractor conducted additional excavation to remove-dispose of additional fuel contaminated soils followed by submission of a UST closure report. CENWK completed the PCO closeout of this project on 8 8 April 2009.

FUDS Future Program Details:

FUDS CON/HTRW: No CENWK activities are planned for FY10 and FY11.

L61 **LEAVENWORTH COAL GAS PLANT** **Manufactured Gas Plants** **1008407200**
ESE **319-321 CHOCTAW STREET** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.441 mi.
7609 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
785 ft.

Manufactured Gas Plants:

A manufactured gas plant operated at the site from at least 1882 to 1906. Currently the site is used for tractor trailer parking. The majority of the lot is not surfaced and is covered with dense vegetation. A preliminary assessment of the site was cconducted in late 1988 and early 1989. The results of this investigation indicated coal tar and cyanide wastes may have been deposited on the site sometime during its operating life. In June 1990 and March 1991, KDHE conducted a scanning site investiigation (SSI). The results of this investigation confirmed soils were contaminated with PAHs, Dibernzofuran, and Cyanide compounds. Soil contamination levels were low, except in the vicinity of the disposal or tar well. No threat to groundwater surfaace water or air was found during this SSI.The proposed capping of the area by the city of Leavenworth as part of their River Front Redevelopment will further minimize any residual risk of exposure to the subsurface contamination. A restrictive conveenant will limit any soil disturbing activites in the area. A groundwater monitoring well to be installed after contaminated soil removal, site capping, and site redevelopment activities have been completed will monitor area groundwater for the identtified constituents of concern. No further actions to protect the public health and environment are believed to be necessary.

L62
ESE
> 1
1.469 mi.
7754 ft.

USD 453, SERVICE CENTER — **LUST** — **S101835303**
3RD & CHOCATU — **N/A**
LEAVENWORTH, KS

Site 2 of 2 in cluster L

Relative:
Lower

Actual:
784 ft.

LUST:

Facility ID:	27031
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/13/1991
Project Number:	U4-052-01131
Project Name:	Usd 453, Service Center
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

63
SW
> 1
1.485 mi.
7840 ft.

CASEYS GENERAL STORE — **LUST** — **S101835312**
2004 SPRUCE — **N/A**
LEAVENWORTH, KS

Relative:
Lower

Actual:
869 ft.

LUST:

Facility ID:	00142
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	10/1/1992
Project Number:	U4-052-01309
Project Name:	Caseys Gen Store
Legal Desc Section:	34
Legal Desc Township:	08S
Legal Desc Range:	22E

M64
NNE
> 1
1.500 mi.
7919 ft.

FT LEAVENWORTH, HOGE BARRACKS — **LUST** — **S108194766**
BLDG 695, 214 GRANT AVENUE — **N/A**
FT LEAVENWORTH, KS 66027

Site 1 of 2 in cluster M

Relative:
Lower

Actual:
826 ft.

LUST:

Facility ID:	23462
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	1/10/1997
Project Number:	U4-052-11374
Project Name:	Ft Leavenworth, Hoge Barracks
Legal Desc Section:	23
Legal Desc Township:	08S
Legal Desc Range:	22E

M65 **US ARMY-HOGE BARRACKS** **LUST** **S110311013**
NNE **214 GRANT AVE., HOGE BARRACKS** **N/A**
> 1 **FT LEAVENWORTH, KS 66027**
1.500 mi.
7919 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
826 ft.

LUST:

Facility ID:	29962
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	3/4/2010
Project Number:	U4-052-14237
Project Name:	Ft. Leavenworth, Hoge Barracks
Legal Desc Section:	23
Legal Desc Township:	08S
Legal Desc Range:	22E

N66 **LEAVENWORTH COUNTY COURTHOUSE** **LUST** **S101835275**
SE **300 WALNUT ST.** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.567 mi.
8272 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
809 ft.

LUST:

Facility ID:	29200
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/18/2004
Project Number:	U4-052-13629
Project Name:	Leavenworth Co. Courthouse
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

Facility ID:	29200
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	11/14/2001
Project Number:	U4-052-13189
Project Name:	Leavenworth Co. Courthouse
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

Facility ID:	29200
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	6/6/1990
Project Number:	U4-052-00568
Project Name:	Leavenworth Courthouse
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

N67 **LEAVENWORTH CO, JAIL** **LUST** **S103927134**
SE **503 S 3RD** **N/A**
> 1 **LEAVENWORTH, KS**
1.570 mi.
8291 ft. **Site 2 of 2 in cluster N**

Relative:
Lower

Actual:
808 ft.

LUST:

Facility ID:	29199
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	4/27/1999
Project Number:	U4-052-12556
Project Name:	Leavenworth Co, Jail
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

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68 **GURSKI'S USED CAR LOT** **LUST** **S101835262**
SE **822 S 5TH** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.587 mi.
8380 ft.

Relative:
Lower

Actual:
818 ft.

LUST:

Facility ID:	15096
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	7/21/1989
Project Number:	U4-052-00215
Project Name:	Gurski's Used Cars
Legal Desc Section:	36
Legal Desc Township:	09S
Legal Desc Range:	22E

Facility ID:	15096
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	3/24/1993
Project Number:	U4-052-00215
Project Name:	Gurski's Used Cars
Legal Desc Section:	36
Legal Desc Township:	09S
Legal Desc Range:	22E

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69 **WKRP DEVELOPMENT** **LUST** **S109551324**
SE **817 S. 4TH ST.** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.636 mi.
8636 ft.

Relative:
Lower

Actual:
807 ft.

LUST:

Facility ID:	82720
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	8/14/2008
Project Number:	U4-052-14078
Project Name:	WKRP Development
Legal Desc Section:	36

WKRP DEVELOPMENT (Continued) **S109551324**

Legal Desc Township: 08S
Legal Desc Range: 22E

70
SSE
> 1
1.647 mi.
8698 ft.

CUSHING MEMORIAL HOSPITAL **LUST U000196465**
711 MARSHALL **UST N/A**
LEAVENWORTH, KS 66048

Relative:
Equal

Actual:
870 ft.

LUST:

Facility ID:	06158
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	2/2/1998
Project Number:	U4-052-11875
Project Name:	Cushing Memorial Hospital
Legal Desc Section:	35
Legal Desc Township:	08S
Legal Desc Range:	22E

UST:

Facility ID:	06158
Facility Phone:	913-684-1100
Facility 911 Address:	711 MARSHALL
Facility 911 City, State, Zip:	LEAVENWORTH, KS 66048
Facility District:	NE
Facility Location Method:	GARMIN 3 PLUS
Facility Lat/Long:	39.30736/-94.91833
Facility Feature:	Facility Center
Facility Datum:	WGS84
Phone 24 Hours:	913-684-1100
Contact:	JIM SOTOMAYOR
Contact Title:	CONTACT PERSON
Owner ID:	06158
Owner:	CUSHING MEMORIAL HOSPITAL
Owner Type:	Private Or Corp.
Owner/Rep Name:	Charles L Rogers
Owner/Rep Title:	Admin
Owner Tel:	913-684-1100
Owner Address:	711 MARSHALL
Owner City, State, Zip:	LEAVENWORTH, KS 66048
Owner County:	LEAVENWORTH
Tank ID:	001
Tank Type:	U
Tank Status:	**Permanently Out Of Use**
Hazards:	**Not reported**
Petroleum Substance:	Diesel
NonPetroleum Substance:	Not reported
Estimated Yr In Service:	1980
Date Removed:	2/15/1998
Last Permit Printed:	7/11/1997
Current Permit Printed:	Not reported
Material of Construction:	Steel
Piping:	Other,BLACK PIPE
Tank Internal Protection:	None
Tank External Protection:	Other,BITUMASTIC COATING

CUSHING MEMORIAL HOSPITAL (Continued) **U000196465**

Out of Service Mo/Yr: 021998
QTY Remaining in Tank: 0
Filled/Removed: Removed
Tank Empty: Not reported

Tank ID: 002
Tank Type: U
Tank Status: Current In Use
Hazards: Fire,Chronic,Acute
Petroleum Substance: Dyed Diesel
NonPetroleum Substance: Not reported
Estimated Yr In Service: 1997
Date Removed: Not reported
Last Permit Printed: 6/18/2009
Current Permit Printed: 6/16/2010
Material of Construction: Steel
Piping: Galv Steel,Fbr Ref Plstc,Cat Pro
Tank Internal Protection: None
Tank External Protection: Fbr Ref Plstc Coat
Out of Service Mo/Yr: Not reported
QTY Remaining in Tank: Not reported
Filled/Removed: Not reported
Tank Empty: Not reported

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71 **KDOT, LEAVENWORTH** **LUST** **S108194784**
SW **16486 SPRINGDALE** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.809 mi.
9553 ft.

Relative:
Higher

Actual:
931 ft.

LUST:
Facility ID: 26642
Site Status: Closed
Release Date: Not reported
Initial Report Date: 4/11/1994
Project Number: U4-052-00299
Project Name: Kdot, Leavenworth
Legal Desc Section: 33
Legal Desc Township: 08S
Legal Desc Range: 22E

Facility ID: 26642
Site Status: Closed
Release Date: Not reported
Initial Report Date: 9/29/1989
Project Number: U4-052-00299
Project Name: Kdot, Leavenworth
Legal Desc Section: 33
Legal Desc Township: 08S
Legal Desc Range: 22E

Facility ID: 26642
Site Status: Closed
Release Date: Not reported
Initial Report Date: 1/19/1995
Project Number: U4-052-10104
Project Name: Kdot, Leavenworth

KDOT, LEAVENWORTH (Continued) **S108194784**

Legal Desc Section: 26
Legal Desc Township: 08S
Legal Desc Range: 22E

72
SSE
> 1
1.851 mi.
9773 ft.

4TH ST. 66 STATION **LUST** **S109149488**
1325 4TH ST. **N/A**
LEAVENWORTH, KS 66048

Relative:
Lower

Actual:
843 ft.

LUST:
Facility ID: 08755
Site Status: **Closed**
Release Date: Not reported
Initial Report Date: 11/28/2007
Project Number: U4-052-13977
Project Name: 4th St. 66 Station
Legal Desc Section: 36
Legal Desc Township: 08S
Legal Desc Range: 22E

73
SSE
> 1
1.907 mi.
10071 ft.

STEVE'S APCO **LUST** **S101835285**
1700 10TH (10TH & PENNSYLVANIA) **N/A**
LEAVENWORTH, KS

Relative:
Higher

Actual:
889 ft.

LUST:
Facility ID: 16092
Site Status: **Monitor**
Release Date: Not reported
Initial Report Date: 11/13/1990
Project Number: U4-052-00755
Project Name: Steve's Apco
Legal Desc Section: 02
Legal Desc Township: 09S
Legal Desc Range: 22E

O74
SE
> 1
1.961 mi.
10353 ft.

SINCLAIR RETAIL **LUST** **U001111775**
1300 S 4TH ST **N/A**
LEAVENWORTH, KS 66048

Site 1 of 2 in cluster O

Relative:
Lower

Actual:
816 ft.

LUST:
Facility ID: 08794
Site Status: **Closed**
Release Date: Not reported
Initial Report Date: 2/24/1997
Project Number: U4-052-11406
Project Name: Sinclair Retail
Legal Desc Section: 36
Legal Desc Township: 08S
Legal Desc Range: 22E

O75 **?** **LUST** **S106423277**
SE **1326 S 4TH** **N/A**
> 1 **LEAVENWORTH, KS 66048**
1.978 mi.
10446 ft. **Site 2 of 2 in cluster O**

Relative:
Lower

Actual:
815 ft.

LUST:

Facility ID:	82155
Site Status:	**Closed**
Release Date:	Not reported
Initial Report Date:	4/7/1989
Project Number:	U4-052-00217
Project Name:	Charlie Browns
Legal Desc Section:	36
Legal Desc Township:	08S
Legal Desc Range:	22E

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PLATTE CITY	1001214839	PLATTE COUNTY ROAD & BRIDGE	15955 HWY 273	64079	FINDS,RCRA-CESQG
LEAVENWORTH	1003876286	MISSOURI RIVER BRUSH & RUBBLE DSPL	1ST & THORNTON	66048	CERCLIS-NFRAP
PLATTE CITY	1003876730	PLATTE CITY ASBESTOS DUMP	HWY HH	64079	CERCLIS-NFRAP
LEAVENWORTH	1004704213	SPARKYS AUTOMOTIVE	3 MS ON HWY 7	66048	FINDS,RCRA-NLR
LEAVENWORTH	1004704732	MIDWEST MARINE INC	HWY 7 & 73 S AT GILMAN RD	66048	FINDS,RCRA-CESQG
LEAVENWORTH	1004704887	LEAVENWORTH CO HEALTH DEPT	COUNTY SHOP CO RT 29 & 5	66048	FINDS,RCRA-NLR
LEAVENWORTH	1005488636	LEAVENWORTH CO. S.D. #3 GLENWOOD E	GLENWOOD ESTATES -NW 1/4,	66048	FINDS
LEAVENWORTH	1005565233	LEAVENWORTH CO SD #2 TIMBERLAK	148TH AND METROPOLITAN	66048	FINDS
LEAVENWORTH	1006260085	LEAVENWORTH COUNTY RURAL WATER DIS	30458 17SND ST	66048	FINDS
LEAVENWORTH	1006831892	LEAVENWORTH CITY LANDFILL	8 MILES NORTH & 0.5 MILES EAST	66048	FINDS
PLATTE CITY	1007106296	DAVIS COLLISION REPAIR	2 MI S & N FROM HWY 92	64079	RCRA-NLR
PLATTE CITY	1007203079	WOOD OIL CO	27015 W HWY 92	64079	RCRA-NLR
OZAWKIE	1007211117	FORBES (EX) ATLAS FAC S-1	HWY 4	66070	CERCLIS
LEAVENWORTH	1007464594	LEAVENWORTH CITY LANDFILL	.5 MILES EAST OF HWY 7 AND E G		FINDS
PLATTE CITY	1009399406	DNR BLUFF RD DRUM	15955B HWY 273	64079	RCRA-SQG
LEAVENWORTH	89112201	73 HIGHWAY OUTSIDE OF LEAVENWORTH,	73 HIGHWAY OUTSIDE OF LEAVENWO		ERNS
PLATTE CITY	A100343400	WOODS MINI MART #18	25615 HWY 92	64079	AST
PLATTE CITY	A100343406	WOODS MINI MART #24	27015 HWY 92	64079	AST
PLATTE CITY	U001160629	PLATTE CITY MO WAREHOUSE	RT 1 HWY 92 E	64079	LUST,UST
PLATTE CITY	U001829665	WOOD OIL CO #24	27015 HWY 92	64079	UST

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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
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 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
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: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 10/13/2010
Next Scheduled EDR Contact: 01/24/2011
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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: 01/29/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Quarterly

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 EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/11/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 12/01/2010
Next Scheduled EDR Contact: 03/14/2011
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: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/28/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
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: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
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: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

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: 07/09/2010
Date Data Arrived at EDR: 07/09/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 39

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/07/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Identified Sites List

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: 11/15/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 35

Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in Kansas

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: 10/27/2010
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 55

Source: Department of Health and Environment
Telephone: 785-296-1590
Last EDR Contact: 10/25/2010
Next Scheduled EDR Contact: 02/07/2011
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Data

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: 08/20/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 08/30/2010
Number of Days to Update: 7

Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks

Leaking aboveground storage tank site locations.

Date of Government Version: 08/20/2010
Date Data Arrived at EDR: 08/23/2010
Date Made Active in Reports: 08/30/2010
Number of Days to Update: 7

Source: Department of Health & Environment
Telephone: 785-296-1685
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

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: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/03/2010
Next Scheduled EDR Contact: 02/14/2011
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: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
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: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

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: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST: Underground Storage Tank Data
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: 10/28/2010
Date Data Arrived at EDR: 10/29/2010
Date Made Active in Reports: 01/06/2011
Number of Days to Update: 69

Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Data
Registered Aboveground Storage Tanks.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 10/29/2010
Date Made Active in Reports: 01/07/2011
Number of Days to Update: 70

Source: Department of Health and Environment
Telephone: 785-296-1685
Last EDR Contact: 01/10/2011
Next Scheduled EDR Contact: 04/25/2011
Data Release Frequency: Quarterly

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: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

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: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/02/2010
Next Scheduled EDR Contact: 02/14/2011
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: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

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: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/14/2011
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: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

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: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Quarterly

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: 08/03/2010
Date Data Arrived at EDR: 08/04/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

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: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/29/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Controls Information

Sites that have institutional control information entered into the Identified Sites List database.

Date of Government Version: 11/15/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 35

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
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: 04/02/2008
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 1
Telephone: 617-918-1102
Last EDR Contact: 01/05/2010
Next Scheduled EDR Contact: 04/18/2011
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: Identified Sites List

Sites included in the Identified Sites List that are identified as Voluntary Cleanup sites.

Date of Government Version: 11/15/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 35

Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Identified Sites List
Sites included in the Identified Sites List that are identified as Brownfields sites.

Date of Government Version: 11/15/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 35
Source: Department of Health & Environment
Telephone: 785-296-8049
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/30/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

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: 12/22/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

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: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/08/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Quarterly

AOCONCERN: Area of Concern

The City of Wichita has taken the lead for the investigation and remediation efforts with the Kansas Department of Health & Environment, Bureau of Remediation. The primary contaminates of concern are chlorinated solvents and their degradation products.

Date of Government Version: N/A
Date Data Arrived at EDR: 04/25/2002
Date Made Active in Reports: 06/28/2002
Number of Days to Update: 64

Source: Department of Environmental Health
Telephone: 315-268-8351
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CDL: Clandestine Laboratory Data

Clandestine meth lab location

Date of Government Version: 09/29/2009
Date Data Arrived at EDR: 10/02/2009
Date Made Active in Reports: 10/20/2009
Number of Days to Update: 18

Source: Department of Health and Environment
Telephone: 785-368-7301
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

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: 05/06/2010
Date Data Arrived at EDR: 05/11/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/05/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

SPILLS: Kansas Spills Database

All spills reported under the regulatory authority of the Department of Health & Environment and the Kansas Corporation Commission.

Date of Government Version: 11/08/2010
Date Data Arrived at EDR: 11/18/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 33

Source: Department of Health and Environment
Telephone: 785-296-1660
Last EDR Contact: 10/18/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 913-551-7003
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

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: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

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: 07/01/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 113

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2011
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Varies

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: 06/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Annually

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: 12/14/2009
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 5

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Varies

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: 08/04/2010
Date Data Arrived at EDR: 09/09/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/09/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Semi-Annually

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: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/17/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Every 4 Years

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
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

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: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2010
Next Scheduled EDR Contact: 02/14/2011
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: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 12/23/2010
Next Scheduled EDR Contact: 04/11/2011
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: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Annually

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: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

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: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/14/2010
Next Scheduled EDR Contact: 01/24/2011
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: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (913) 551-7003
Last EDR Contact: 12/10/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Quarterly

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

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: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database Listing

A listing of underground injection wells.

Date of Government Version: 11/30/2010
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 19

Source: Department of Health & Environment
Telephone: 785-296-1367
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaning Facilities

A listing of registered drycleaners.

Date of Government Version: 12/06/2010
Date Data Arrived at EDR: 12/07/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 14

Source: Department of Health & Environment
Telephone: 785-291-3250
Last EDR Contact: 12/06/2010
Next Scheduled EDR Contact: 03/21/2011
Data Release Frequency: Varies

AIRS: Title V Source Information

A listing of title V sources, including emissions information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/01/2010
Date Made Active in Reports: 12/21/2010
Number of Days to Update: 20

Source: Department of Health & Environment
Telephone: 785-296-6427
Last EDR Contact: 11/22/2010
Next Scheduled EDR Contact: 04/18/2011
Data Release Frequency: Annually

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 07/22/2010
Number of Days to Update: 3

Source: Department of Health & Environment
Telephone: 785-296-1688
Last EDR Contact: 12/29/2010
Next Scheduled EDR Contact: 04/11/2011
Data Release Frequency: Annually

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Semi-Annually

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: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 12/13/2010
Next Scheduled EDR Contact: 02/07/2011
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: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/21/2010
Next Scheduled EDR Contact: 03/28/2011
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: N/A

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/28/2010
Next Scheduled EDR Contact: 01/31/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion waste landfills.

Date of Government Version: 01/20/2009
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/08/2009
Number of Days to Update: 12

Source: Department of Health & Environment
Telephone: 785-296-1600
Last EDR Contact: 10/25/2010
Next Scheduled EDR Contact: 02/07/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/10/2010
Next Scheduled EDR Contact: 02/14/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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

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: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16
Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 12/01/2010
Next Scheduled EDR Contact: 03/07/2011
Data Release Frequency: Annually

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: 10/28/2010
Date Data Arrived at EDR: 11/09/2010
Date Made Active in Reports: 12/17/2010
Number of Days to Update: 38
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/09/2010
Next Scheduled EDR Contact: 02/21/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2010
Next Scheduled EDR Contact: 03/14/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/16/2010
Next Scheduled EDR Contact: 04/04/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: 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.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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 2002 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BOP LEAVENWORTH PROPOSED SITES
1300 METROPOLITAN AVE.
LEAVENWORTH, KS 66048

TARGET PROPERTY COORDINATES

Latitude (North):	39.32780 - 39° 19' 40.1''
Longitude (West):	94.9348 - 94° 56' 5.3''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	333227.4
UTM Y (Meters):	4354730.0
Elevation:	870 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	39094-C8 LEAVENWORTH, KS
Most Recent Revision:	1984

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).

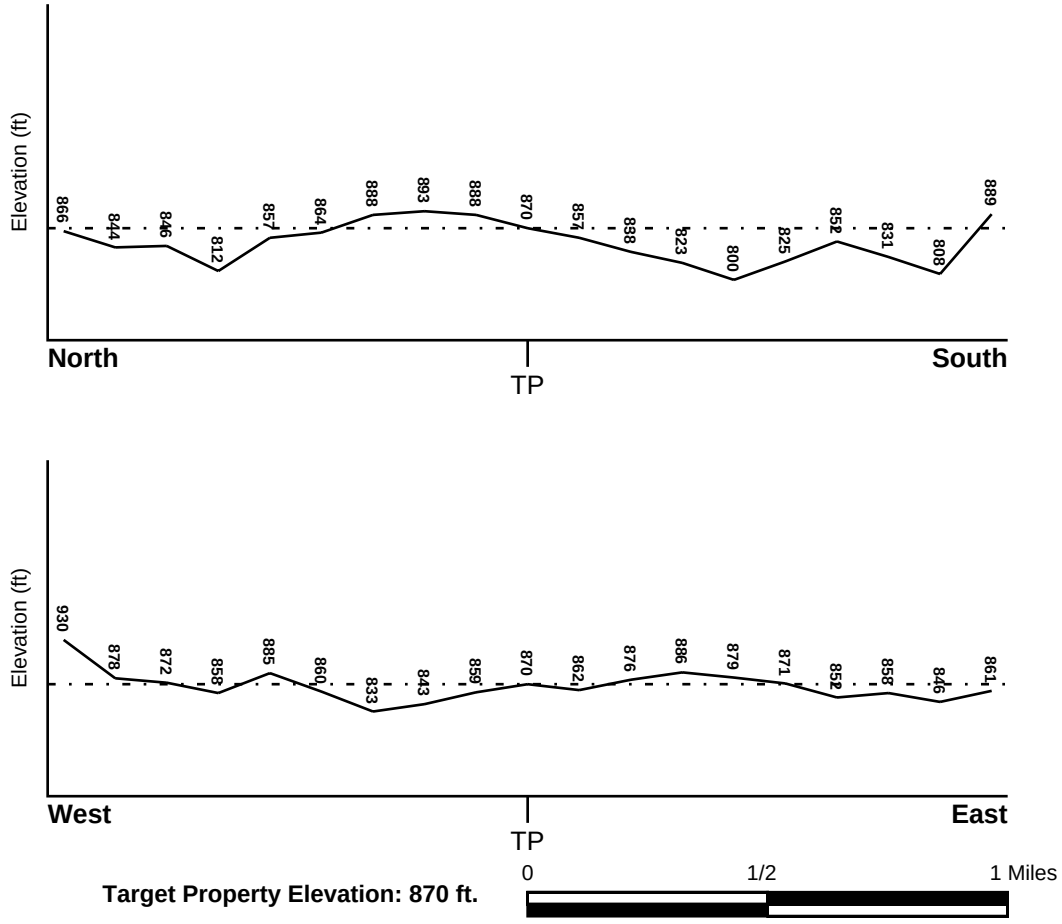
TOPOGRAPHIC INFORMATION

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 SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

Target Property County	FEMA Flood Electronic Data
LEAVENWORTH, KS	Not Available

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 Data Coverage
LEAVENWORTH	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

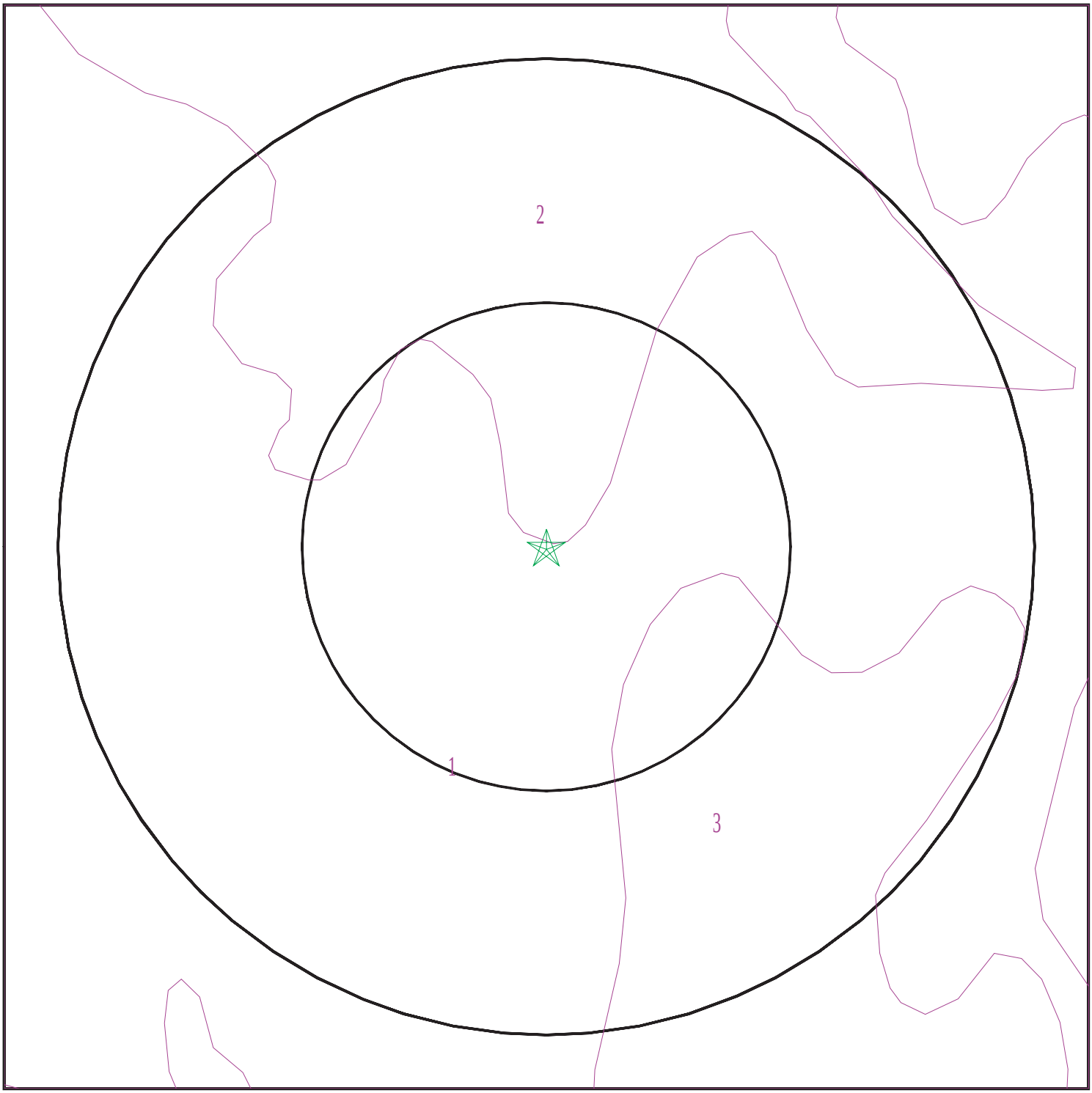
Era:	Paleozoic
System:	Pennsylvanian
Series:	Missourian Series
Code:	PP3 *(decoded above as Era, System & Series)*

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 - 2964951.3s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	BOP Leavenworth Proposed Sites	CLIENT:	The Louis Berger Group
ADDRESS:	1300 Metropolitan Ave. Leavenworth KS 66048	CONTACT:	Doug Ganey
		INQUIRY #:	2964951.3s
LAT/LONG:	39.3278 / 94.9348	DATE:	January 12, 2011 2:55 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: Sharpsburg

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 97 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	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: 14.11 Min: 4.233	Max: 6.5 Min: 6.1
2	7 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 less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 6.5 Min: 6.1
3	11 inches	38 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: 14.11 Min: 4.233	Max: 6.5 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	38 inches	59 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: 14.11 Min: 4.233	Max: 6.5 Min: 6.1

Soil Map ID: 2

Soil Component Name: Sharpsburg

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 97 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	11 inches	14 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: 14.11 Min: 4.233	Max: 7.3 Min: 5.1
2	14 inches	42 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: 14.11 Min: 4.233	Max: 7.3 Min: 5.1

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		
3	42 inches	59 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: 14.11 Min: 4.233	Max: 7.3 Min: 5.1
4	7 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 less than 50%), Lean Clay	Max: 14.11 Min: 4.233	Max: 7.3 Min: 5.1
5	0 inches	7 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: 14.11 Min: 4.233	Max: 7.3 Min: 5.1

Soil Map ID: 3

Soil Component Name: Ladoga

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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		
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 50% or more), Fat Clay.	Max: 4.233 Min: 1.411	Max: 6 Min: 5.1
2	40 inches	48 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: 4.233 Min: 1.411	Max: 6 Min: 5.1
3	48 inches	59 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: 4.233 Min: 1.411	Max: 6 Min: 5.1
4	7 inches	40 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: 4.233 Min: 1.411	Max: 6 Min: 5.1

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	KS6000000191517	0 - 1/8 Mile WSW
A2	KS6000000191518	0 - 1/8 Mile WSW
A3	KS6000000191515	0 - 1/8 Mile WSW
A4	KS6000000191516	0 - 1/8 Mile WSW
A5	KS6000000191521	0 - 1/8 Mile WSW
A6	KS6000000191522	0 - 1/8 Mile WSW
A7	KS6000000191519	0 - 1/8 Mile WSW
A8	KS6000000191520	0 - 1/8 Mile WSW
9	KS6000000191581	1/8 - 1/4 Mile NE
B10	KS6000000191524	1/8 - 1/4 Mile East
B11	KS6000000191525	1/8 - 1/4 Mile East
B12	KS6000000191526	1/8 - 1/4 Mile East
C13	KS6000000191632	1/8 - 1/4 Mile NNE
C14	KS6000000191633	1/8 - 1/4 Mile NNE
C15	KS6000000191630	1/8 - 1/4 Mile NNE
C16	KS6000000191631	1/8 - 1/4 Mile NNE
C17	KS6000000191636	1/8 - 1/4 Mile NNE
C18	KS6000000191637	1/8 - 1/4 Mile NNE
C19	KS6000000191634	1/8 - 1/4 Mile NNE
C20	KS6000000191635	1/8 - 1/4 Mile NNE
21	KS6000000191498	1/4 - 1/2 Mile ESE
D22	KS6000000191640	1/4 - 1/2 Mile NE
D23	KS6000000191641	1/4 - 1/2 Mile NE
E24	KS6000000191527	1/4 - 1/2 Mile East
E25	KS6000000191528	1/4 - 1/2 Mile East
E26	KS6000000191529	1/4 - 1/2 Mile East
F27	KS6000000191772	1/4 - 1/2 Mile NNE
F28	KS6000000191773	1/4 - 1/2 Mile NNE
G29	KS6000000191748	1/4 - 1/2 Mile NNW
G30	KS6000000191749	1/4 - 1/2 Mile NNW
G31	KS6000000191746	1/4 - 1/2 Mile NNW
G32	KS6000000191747	1/4 - 1/2 Mile NNW
G33	KS6000000191752	1/4 - 1/2 Mile NNW
G34	KS6000000191753	1/4 - 1/2 Mile NNW
G35	KS6000000191750	1/4 - 1/2 Mile NNW
G36	KS6000000191751	1/4 - 1/2 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

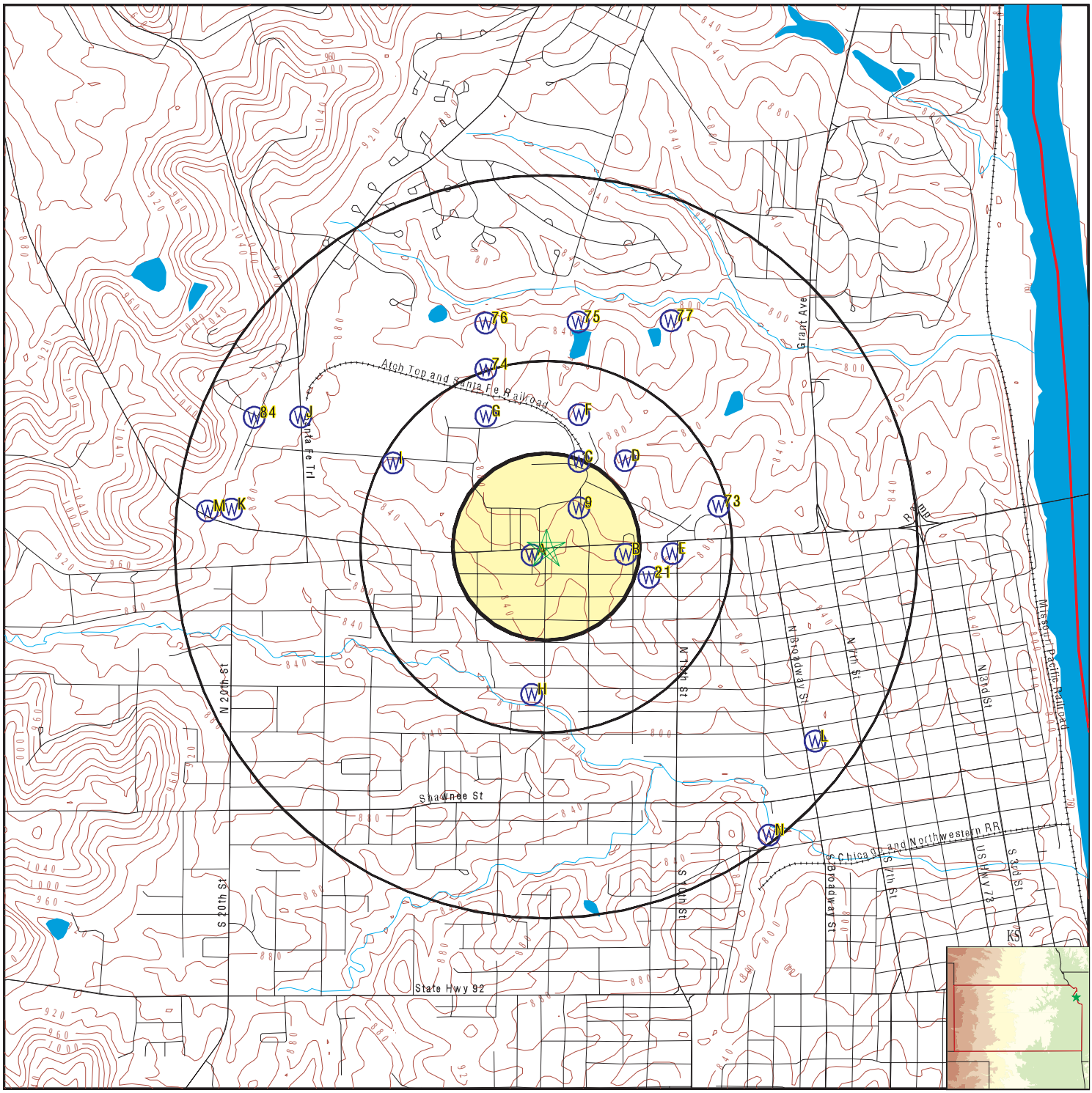
MAP ID	WELL ID	LOCATION FROM TP
G37	KS6000000191745	1/4 - 1/2 Mile NNW
G38	KS6000000191739	1/4 - 1/2 Mile NNW
G39	KS6000000191740	1/4 - 1/2 Mile NNW
G40	KS6000000191737	1/4 - 1/2 Mile NNW
G41	KS6000000191738	1/4 - 1/2 Mile NNW
G42	KS6000000191743	1/4 - 1/2 Mile NNW
G43	KS6000000191744	1/4 - 1/2 Mile NNW
G44	KS6000000191741	1/4 - 1/2 Mile NNW
G45	KS6000000191742	1/4 - 1/2 Mile NNW
G46	KS6000000191754	1/4 - 1/2 Mile NNW
G47	KS6000000191766	1/4 - 1/2 Mile NNW
G48	KS6000000191767	1/4 - 1/2 Mile NNW
G49	KS6000000191764	1/4 - 1/2 Mile NNW
G50	KS6000000191765	1/4 - 1/2 Mile NNW
G51	KS6000000191770	1/4 - 1/2 Mile NNW
G52	KS6000000191771	1/4 - 1/2 Mile NNW
G53	KS6000000191768	1/4 - 1/2 Mile NNW
G54	KS6000000191769	1/4 - 1/2 Mile NNW
G55	KS6000000191763	1/4 - 1/2 Mile NNW
G56	KS6000000191757	1/4 - 1/2 Mile NNW
G57	KS6000000191758	1/4 - 1/2 Mile NNW
G58	KS6000000191755	1/4 - 1/2 Mile NNW
G59	KS6000000191756	1/4 - 1/2 Mile NNW
G60	KS6000000191761	1/4 - 1/2 Mile NNW
G61	KS6000000191762	1/4 - 1/2 Mile NNW
G62	KS6000000191759	1/4 - 1/2 Mile NNW
G63	KS6000000191760	1/4 - 1/2 Mile NNW
H64	KS6000000191373	1/4 - 1/2 Mile South
H65	KS6000000191372	1/4 - 1/2 Mile South
H66	KS6000000191371	1/4 - 1/2 Mile South
H67	KS6000000191374	1/4 - 1/2 Mile South
H68	KS6000000191377	1/4 - 1/2 Mile South
H69	KS6000000191376	1/4 - 1/2 Mile South
H70	KS6000000191375	1/4 - 1/2 Mile South
I71	KS6000000191628	1/4 - 1/2 Mile WNW
I72	KS6000000191629	1/4 - 1/2 Mile WNW
73	KS6000000191583	1/4 - 1/2 Mile ENE
74	KS6000000191832	1/2 - 1 Mile NNW
75	KS6000000191923	1/2 - 1 Mile North
76	KS6000000191921	1/2 - 1 Mile NNW
77	KS6000000191924	1/2 - 1 Mile NNE
J78	KS6000000191733	1/2 - 1 Mile WNW
J79	KS6000000191734	1/2 - 1 Mile WNW
J80	KS6000000191735	1/2 - 1 Mile WNW
K81	KS6000000191569	1/2 - 1 Mile West
K82	KS6000000191582	1/2 - 1 Mile West
K83	KS6000000191592	1/2 - 1 Mile West
84	KS6000000191732	1/2 - 1 Mile WNW
K85	KS6000000191565	1/2 - 1 Mile West
L86	KS6000000191301	1/2 - 1 Mile SE
L87	KS6000000191300	1/2 - 1 Mile SE
L88	KS6000000191299	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L89	KS6000000191302	1/2 - 1 Mile SE
L90	KS6000000191305	1/2 - 1 Mile SE
L91	KS6000000191304	1/2 - 1 Mile SE
L92	KS6000000191303	1/2 - 1 Mile SE
M93	KS6000000191574	1/2 - 1 Mile West
M94	KS6000000191575	1/2 - 1 Mile West
M95	KS6000000191572	1/2 - 1 Mile West
M96	KS6000000191573	1/2 - 1 Mile West
M97	KS6000000191578	1/2 - 1 Mile West
M98	KS6000000191579	1/2 - 1 Mile West
M99	KS6000000191576	1/2 - 1 Mile West
M100	KS6000000191577	1/2 - 1 Mile West
N101	KS6000000191206	1/2 - 1 Mile SE
N102	KS6000000191205	1/2 - 1 Mile SE
N103	KS6000000191207	1/2 - 1 Mile SE
N104	KS6000000191209	1/2 - 1 Mile SE
N105	KS6000000191208	1/2 - 1 Mile SE
N106	KS6000000191172	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 2964951.3s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME:	BOP Leavenworth Proposed Sites	CLIENT:	The Louis Berger Group
ADDRESS:	1300 Metropolitan Ave. Leavenworth KS 66048	CONTACT:	Doug Ganey
		INQUIRY #:	2964951.3s
LAT/LONG:	39.3278 / 94.9348	DATE:	January 12, 2011 2:55 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

A1
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191517**

Well id:	366462	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A2
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191518**

Well id:	366463	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A3
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191515**

Well id:	366460	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A4
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191516**

Well id:	366461	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A5
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191521**

Well id:	366466	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1109 S 11th St - from 1100 Metropolitan Ave: S, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A6
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191522**

Well id:	366467	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	SW corner of 1109 11st St, Leavenworth		
Well depth:	20	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A7
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191519**

Well id:	366464	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

A8
WSW
0 - 1/8 Mile
Lower

KS WELLS **KS6000000191520**

Well id:	366465	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SW NW
Longitude:	-94.93527	Latitude:	39.32748
Long lat t:	From PLSS	Owner:	Coleman, Suzie
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jan-1998		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

9
NE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191581**

Well id:	35242	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SE NW NW
Longitude:	-94.93292	Latitude:	39.32932
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	28.5	Elev:	892.3

Static dep:	17.14	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

B10
East
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191524**

Well id:	321969	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE NW
Longitude:	-94.93057	Latitude:	39.32751
Long lat t:	From PLSS	Owner:	EZ Shop
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Jul-2001		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1100 Metropolitan, alley		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

B11
East
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191525**

Well id:	321970	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE NW
Longitude:	-94.93057	Latitude:	39.32751
Long lat t:	From PLSS	Owner:	EZ Shop, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Jul-2001		
Status:	PLUGGED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1100 Metropolitan, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

B12
East
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191526**

Well id:	321971	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE NW
Longitude:	-94.93057	Latitude:	39.32751
Long lat t:	From PLSS	Owner:	EZ Shop, Inc.
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Jul-2001		
Status:	PLUGGED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1100 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Funkee Drlg. Ser., Inc.		

C13
NNE **KS WELLS** **KS6000000191632**
1/8 - 1/4 Mile
Higher

Well id:	35231	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 6
Dwr number:	Not Reported		
Directions:	11101 Metroplolitan, Leavenworth		
Well depth:	25.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C14
NNE **KS WELLS** **KS6000000191633**
1/8 - 1/4 Mile
Higher

Well id:	35232	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 5
Dwr number:	Not Reported		
Directions:	11101 Metroplolitan, Leavenworth		
Well depth:	21	Elev:	Not Reported
Static dep:	20	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C15
NNE **KS WELLS** **KS6000000191630**
1/8 - 1/4 Mile
Higher

Well id:	35229	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 8
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	19.5	Elev:	Not Reported

Static dep:	7.8	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C16
NNE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191631**

Well id:	35230	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 7
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	24.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C17
NNE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191636**

Well id:	35235	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 1
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	21	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C18
NNE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191637**

Well id:	35236	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 2
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	22	Elev:	Not Reported

Static dep:	11.03	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C19
NNE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191634**

Well id:	35233	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 4
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	24	Elev:	Not Reported
Static dep:	13.34	Est yield:	Not Reported
Driller:	Terracon, Inc.		

C20
NNE
1/8 - 1/4 Mile
Higher

KS WELLS **KS6000000191635**

Well id:	35234	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE NW NW
Longitude:	-94.93292	Latitude:	39.33113
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Oct-1989		
Status:	CONSTRUCTED	Other id:	OW 3
Dwr number:	Not Reported		
Directions:	11101 Metropolitan, Leavenworth		
Well depth:	21	Elev:	Not Reported
Static dep:	20.6	Est yield:	Not Reported
Driller:	Terracon, Inc.		

21
ESE
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191498**

Well id:	35237	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SE NW
Longitude:	-94.9294	Latitude:	39.32661
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-1991		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1101 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	West Hazmat Drilling Corp.		

D22
NE
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191640**

Well id:	118863	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW NE NW
Longitude:	-94.93059	Latitude:	39.33116
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Sep-1997		
Status:	CONSTRUCTED	Other id:	MW 37
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.1	Elev:	Not Reported
Static dep:	13.9	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

D23
NE
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191641**

Well id:	118865	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW NE NW
Longitude:	-94.93059	Latitude:	39.33116
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Sep-1997		
Status:	PLUGGED	Other id:	MW 37
Dwr number:	Not Reported		
Directions:	1300 Metropolitan, Leavenworth		
Well depth:	18.83	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

E24
East
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191527**

Well id:	35238	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE SE NW
Longitude:	-94.92822	Latitude:	39.32753
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-1991		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1101 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	West Hazmat Drilling Corp.		

E25
East
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191528**

Well id:	35239	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE SE NW
Longitude:	-94.92822	Latitude:	39.32753
Long lat t:	From PLSS	Owner:	Amoco Oil Comapny
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-1991		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1101 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	West Hazmat Drilling Corp.		

E26
East
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191529**

Well id:	35240	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NE SE NW
Longitude:	-94.92822	Latitude:	39.32753
Long lat t:	From PLSS	Owner:	Amoco Oil Company
Well use:	Monitoring well/observation/piezometer		
Comple dat:	20-Feb-1991		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	1101 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	West Hazmat Drilling Corp.		

F27
NNE
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191772**

Well id:	35211	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	23	Spot:	SE SW SW
Longitude:	-94.93292	Latitude:	39.33295
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	25-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 2A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	26	Elev:	883.2

Static dep:	19.4	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

F28
NNE **KS WELLS** **KS6000000191773**
1/4 - 1/2 Mile
Higher

Well id:	35212	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	23	Spot:	SE SW SW
Longitude:	-94.93292	Latitude:	39.33295
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	25	Elev:	883.5
Static dep:	19.8	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G29
NNW **KS WELLS** **KS6000000191748**
1/4 - 1/2 Mile
Higher

Well id:	35182	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 15
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	17.2	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G30
NNW **KS WELLS** **KS6000000191749**
1/4 - 1/2 Mile
Higher

Well id:	35183	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 14
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G31
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191746**

Well id:	35180	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 18
Dwr number:	Not Reported		
Directions:	1300 Metroplolitan Ave, Leavenworth		
Well depth:	23	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G32
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191747**

Well id:	35181	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	05-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 12
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G33
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191752**

Well id:	35186	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 13
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	23.5	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G34
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191753**

Well id:	35187	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 19
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	19	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G35
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191750**

Well id:	35184	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 16
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G36
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191751**

Well id:	35185	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 23
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G37
NNW **KS WELLS** **KS6000000191745**
1/4 - 1/2 Mile
Higher

Well id:	35179	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 11
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	23.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G38
NNW **KS WELLS** **KS6000000191739**
1/4 - 1/2 Mile
Higher

Well id:	35173	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 26
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	41	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G39
NNW **KS WELLS** **KS6000000191740**
1/4 - 1/2 Mile
Higher

Well id:	35174	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 27
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	30	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G40
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191737**

Well id:	35171	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 13A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	14.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G41
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191738**

Well id:	35172	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 21
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	16	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G42
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191743**

Well id:	35177	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 6A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	25	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G43
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191744**

Well id:	35178	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 18A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	12.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G44
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191741**

Well id:	35175	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 28
Dwr number:	Not Reported		
Directions:	1300 Metropolitan, Leavenworth		
Well depth:	16	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G45
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191742**

Well id:	35176	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 29
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	32	Elev:	Not Reported

Static dep:	19	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G46
NNW **KS WELLS** **KS6000000191754**
1/4 - 1/2 Mile
Higher

Well id:	35188	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 22
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	23.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G47
NNW **KS WELLS** **KS6000000191766**
1/4 - 1/2 Mile
Higher

Well id:	35203	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 31A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	13.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G48
NNW **KS WELLS** **KS6000000191767**
1/4 - 1/2 Mile
Higher

Well id:	35204	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 30
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	40	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G49
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191764**

Well id:	35201	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 34
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	15	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G50
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191765**

Well id:	35202	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 36
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	16	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G51
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191770**

Well id:	35207	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 20
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	15	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G52
NNW **KS WELLS** **KS6000000191771**
1/4 - 1/2 Mile
Higher

Well id:	35208	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 31
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	37	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G53
NNW **KS WELLS** **KS6000000191768**
1/4 - 1/2 Mile
Higher

Well id:	35205	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 32
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	17	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G54
NNW **KS WELLS** **KS6000000191769**
1/4 - 1/2 Mile
Higher

Well id:	35206	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 35
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G55
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191763**

Well id:	35200	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 38
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	37	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G56
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191757**

Well id:	35191	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 25
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	38.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G57
NNW
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191758**

Well id:	35194	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 10
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18	Elev:	876.3

Static dep:	6.67	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G58
NNW **KS WELLS** **KS6000000191755**
1/4 - 1/2 Mile
Higher

Well id:	35189	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	09-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 17
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G59
NNW **KS WELLS** **KS6000000191756**
1/4 - 1/2 Mile
Higher

Well id:	35190	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	10-Dec-1991		
Status:	CONSTRUCTED	Other id:	MW 24
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G60
NNW **KS WELLS** **KS6000000191761**
1/4 - 1/2 Mile
Higher

Well id:	35198	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 33
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	15	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G61
NNW **KS WELLS** **KS6000000191762**
1/4 - 1/2 Mile
Higher

Well id:	35199	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 12A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	8.5	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G62
NNW **KS WELLS** **KS6000000191759**
1/4 - 1/2 Mile
Higher

Well id:	35196	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	12-Mar-1992		
Status:	CONSTRUCTED	Other id:	MW 38A
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	20	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

G63
NNW **KS WELLS** **KS6000000191760**
1/4 - 1/2 Mile
Higher

Well id:	35197	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SE
Longitude:	-94.93758	Latitude:	39.3329
Long lat t:	From PLSS	Owner:	US Bureau of Prisions
Well use:	Monitoring well/observation/piezometer		
Comple dat:	11-Mar-1995		
Status:	CONSTRUCTED	Other id:	MW 37
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18	Elev:	Not Reported

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

H64
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191373**

Well id:	338934	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	20.5	Elev:	807.3
Static dep:	8.55	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H65
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191372**

Well id:	338933	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	19	Elev:	804.8
Static dep:	10.33	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H66
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191371**

Well id:	338932	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	21.5	Elev:	805.3

Static dep:	9.25	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H67
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191374**

Well id:	338938	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	19	Elev:	804.6
Static dep:	8.4	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H68
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191377**

Well id:	338941	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	15	Elev:	802.3
Static dep:	12.21	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H69
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191376**

Well id:	338940	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	12	Elev:	794.8

Static dep:	6.52	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

H70
South
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191375**

Well id:	338939	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW SW
Longitude:	-94.93529	Latitude:	39.32204
Long lat t:	From PLSS	Owner:	Capital Electric Line Builders
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Mar-2003		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	1320 W Ottawa, Leavenworth		
Well depth:	13	Elev:	797.2
Static dep:	8.28	Est yield:	Not Reported
Driller:	Geotechnical Services, Inc.		

I71
WNW
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191628**

Well id:	118866	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	NE NW NE
Longitude:	-94.94225	Latitude:	39.33107
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-Sep-1997		
Status:	PLUGGED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1300 Metropolitan, Leavenworth		
Well depth:	27	Elev:	Not Reported
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

I72
WNW
1/4 - 1/2 Mile
Lower

KS WELLS **KS6000000191629**

Well id:	366469	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	NE NW NE
Longitude:	-94.94225	Latitude:	39.33107
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	08-Sep-1997		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1300 Metropolitan, Leavenworth		
Well depth:	43.66	Elev:	Not Reported

Static dep:	20.17	Est yield:	Not Reported
Driller:	JB Environmental Drilling		

73
ENE
1/4 - 1/2 Mile
Higher

KS WELLS **KS6000000191583**

Well id:	35241	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	SW NW NE
Longitude:	-94.9259	Latitude:	39.32938
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	25-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	43	Elev:	888.6
Static dep:	21.1	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

74
NNW
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191832**

Well id:	35195	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	NE SE SE
Longitude:	-94.93759	Latitude:	39.33472
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 9
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	15	Elev:	859.6
Static dep:	6.3	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

75
North
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191923**

Well id:	35209	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	23	Spot:	SE NW SW
Longitude:	-94.93295	Latitude:	39.33657
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	23.5	Elev:	858.4

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

76
NNW **KS WELLS** **KS6000000191921**
1/2 - 1 Mile
Lower

Well id:	35192	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE NE SE
Longitude:	-94.9376	Latitude:	39.33653
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 8
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	18.5	Elev:	844.7
Static dep:	14.01	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

77
NNE **KS WELLS** **KS6000000191924**
1/2 - 1 Mile
Lower

Well id:	35210	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	23	Spot:	SE NE SW
Longitude:	-94.92829	Latitude:	39.33662
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	21-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	23	Elev:	829.4
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

J78
WNW **KS WELLS** **KS6000000191733**
1/2 - 1 Mile
Higher

Well id:	335979	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SW
Longitude:	-94.94689	Latitude:	39.33286
Long lat t:	From PLSS	Owner:	Fort Leavenworth
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-Nov-2002		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	29	Elev:	903

Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Alliance Environmental, Inc.		

J79
WNW
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191734**

Well id:	335980	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SW
Longitude:	-94.94689	Latitude:	39.33286
Long lat t:	From PLSS	Owner:	Fort Leavenworth
Well use:	Monitoring well/observation/piezometer		
Comple dat:	23-Nov-2002		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	37	Elev:	778
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Alliance Environmental, Inc.		

J80
WNW
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191735**

Well id:	335985	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SE SE SW
Longitude:	-94.94689	Latitude:	39.33286
Long lat t:	From PLSS	Owner:	Fort Leavenworth
Well use:	Monitoring well/observation/piezometer		
Comple dat:	18-Nov-2002		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	39.8	Elev:	923
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Alliance Environmental, Inc.		

K81
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191569**

Well id:	424393	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SW NE NE
Longitude:	-94.950181	Latitude:	39.329108
Long lat t:	GPS	Owner:	Federal Correction Institute
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Apr-2009		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	41.2	Elev:	885.8

Static dep:	7.94	Est yield:	Not Reported
Driller:	JB Environmental Service and Supply		

K82
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191582**

Well id:	424394	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SW NE NE
Longitude:	-94.95015	Latitude:	39.329325
Long lat t:	GPS	Owner:	Federal Correction Institute
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Apr-2009		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	39.34	Elev:	889
Static dep:	3.42	Est yield:	Not Reported
Driller:	JB Environmental Service and Supply		

K83
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191592**

Well id:	424392	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SW NE NE
Longitude:	-94.950142	Latitude:	39.329556
Long lat t:	GPS	Owner:	Federal Correction Institute
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Apr-2009		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	39.72	Elev:	886
Static dep:	3.07	Est yield:	Not Reported
Driller:	JB Environmental Service and Supply		

84
WNW
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191732**

Well id:	35193	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	22	Spot:	SW SE SW
Longitude:	-94.94922	Latitude:	39.33285
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	25-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	42.5	Elev:	904.9

Static dep:	16.9	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

K85
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191565**

Well id:	424391	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SW NE NE
Longitude:	-94.95095	Latitude:	39.329081
Long lat t:	GPS	Owner:	Federal Correction Institute
Well use:	Monitoring well/observation/piezometer		
Comple dat:	28-Apr-2009		
Status:	PLUGGED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	47.96	Elev:	895.4
Static dep:	9.74	Est yield:	Not Reported
Driller:	JB Environmental Service and Supply		

L86
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191301**

Well id:	395532	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom’s Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	24-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	17.71	Elev:	Not Reported
Static dep:	10.36	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L87
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191300**

Well id:	395531	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom’s Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	24-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	16.86	Elev:	Not Reported

Static dep:	13.63	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L88
SE **KS WELLS** **KS6000000191299**
1/2 - 1 Mile
Lower

Well id:	395530	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom’s Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	24-Oct-2006		
Status:	CONSTRUCTED	Other id:	Not Reported
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	17.18	Elev:	Not Reported
Static dep:	11.17	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L89
SE **KS WELLS** **KS6000000191302**
1/2 - 1 Mile
Lower

Well id:	395533	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom’s Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	25-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	24.69	Elev:	Not Reported
Static dep:	11.17	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L90
SE **KS WELLS** **KS6000000191305**
1/2 - 1 Mile
Lower

Well id:	395536	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom’s Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	24-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	22.49	Elev:	Not Reported

Static dep:	10.7	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L91
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191304**

Well id:	395535	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom's Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	25-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 6
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	24.7	Elev:	Not Reported
Static dep:	10.79	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

L92
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191303**

Well id:	395534	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	26	Spot:	NW SE SE
Longitude:	-94.921057	Latitude:	39.320217
Long lat t:	From PLSS	Owner:	Tom's Service
Well use:	Monitoring well/observation/piezometer		
Comple dat:	24-Oct-2006		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	Not Reported		
Well depth:	17.19	Elev:	Not Reported
Static dep:	10.55	Est yield:	Not Reported
Driller:	Jay C. Woofter Pump & Well, Inc.		

M93
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191574**

Well id:	96647	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	01-Nov-1994		
Status:	CONSTRUCTED	Other id:	MW 54
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	38	Elev:	895

Static dep:	11	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M94
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191575**

Well id:	96650	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	02-Nov-1994		
Status:	CONSTRUCTED	Other id:	MW 53
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	39	Elev:	895
Static dep:	15	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M95
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191572**

Well id:	35243	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Federal Bureau of Prisons
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Mar-1991		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	1300 Metropolitan Ave, Leavenworth		
Well depth:	29	Elev:	901.1
Static dep:	21.4	Est yield:	Not Reported
Driller:	Geo Systems Engineering, Inc.		

M96
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191573**

Well id:	96645	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Oct-1994		
Status:	CONSTRUCTED	Other id:	MW 55
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	38	Elev:	Not Reported

Static dep:	12	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M97
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191578**

Well id:	96661	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	07-Nov-1994		
Status:	CONSTRUCTED	Other id:	MW 50
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	45.2	Elev:	895
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M98
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191579**

Well id:	96864	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	04-Nov-1994		
Status:	CONSTRUCTED	Other id:	MW 51
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	50	Elev:	898
Static dep:	23	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M99
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191576**

Well id:	96655	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	03-Nov-1994		
Status:	CONSTRUCTED	Other id:	MW 52
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	39	Elev:	885

Static dep:	12	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

M100
West
1/2 - 1 Mile
Higher

KS WELLS **KS6000000191577**

Well id:	96658	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	27	Spot:	SE NW NW
Longitude:	-94.95157	Latitude:	39.3292
Long lat t:	From PLSS	Owner:	US Penitentiary
Well use:	Monitoring well/observation/piezometer		
Comple dat:	26-Oct-1994		
Status:	CONSTRUCTED	Other id:	MW 56
Dwr number:	Not Reported		
Directions:	from Leavenworth: 1 mi NW		
Well depth:	38	Elev:	Not Reported
Static dep:	14	Est yield:	Not Reported
Driller:	F. E. Young Drilling Co., Inc.		

N101
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191206**

Well id:	366488	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92342	Latitude:	39.31657
Long lat t:	From PLSS	Owner:	Kansas Dept. of Health and Env
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jul-1998		
Status:	CONSTRUCTED	Other id:	MW 4
Dwr number:	Not Reported		
Directions:	201 S Broadway		
Well depth:	14	Elev:	Not Reported
Static dep:	7.46	Est yield:	Not Reported
Driller:	Associated Environmental, Inc.		

N102
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191205**

Well id:	366486	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92342	Latitude:	39.31657
Long lat t:	From PLSS	Owner:	KDHE
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jul-1998		
Status:	CONSTRUCTED	Other id:	MW 3
Dwr number:	Not Reported		
Directions:	201 S Broadway		
Well depth:	14	Elev:	Not Reported

Static dep:	8.81	Est yield:	Not Reported
Driller:	Associated Environmental, Inc.		

N103
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191207**

Well id:	366489	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92342	Latitude:	39.31657
Long lat t:	From PLSS	Owner:	Kansas Dept. of Health and Env
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jul-1998		
Status:	CONSTRUCTED	Other id:	MW 1
Dwr number:	Not Reported		
Directions:	201 S Broadway		
Well depth:	14	Elev:	Not Reported
Static dep:	7.54	Est yield:	Not Reported
Driller:	Associated Environmental, Inc.		

N104
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191209**

Well id:	366492	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92342	Latitude:	39.31657
Long lat t:	From PLSS	Owner:	Klemp, Louis
Well use:	Monitoring well/observation/piezometer		
Comple dat:	06-Apr-1998		
Status:	CONSTRUCTED	Other id:	MW 5
Dwr number:	Not Reported		
Directions:	800 Cherokee		
Well depth:	6.75	Elev:	Not Reported
Static dep:	5.92	Est yield:	Not Reported
Driller:	Defenbaugh Industries, Inc. (T.E.S.T.)		

N105
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191208**

Well id:	366490	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92342	Latitude:	39.31657
Long lat t:	From PLSS	Owner:	KDHE
Well use:	Monitoring well/observation/piezometer		
Comple dat:	27-Jul-1998		
Status:	CONSTRUCTED	Other id:	MW 2
Dwr number:	Not Reported		
Directions:	201 S Broadway		
Well depth:	15	Elev:	Not Reported

Static dep:	7.27	Est yield:	Not Reported
Driller:	Associated Environmental, Inc.		

N106
SE
1/2 - 1 Mile
Lower

KS WELLS **KS6000000191172**

Well id:	416034	County:	Leavenw
Township:	8	Twn dir:	S
Range:	22	Range dir:	E
Section:	35	Spot:	NE NW NE
Longitude:	-94.92311	Latitude:	39.31644
Long lat t:	GPS	Owner:	Storage Box Inc./ Klemp, Louis
Well use:	Monitoring well/observation/piezometer		
Comple dat:	19-May-2008		
Status:	CONSTRUCTED	Other id:	MW 7
Dwr number:	Not Reported		
Directions:	800 Cherokee, Leavenworth		
Well depth:	7.5	Elev:	800.0
Static dep:	Not Reported	Est yield:	Not Reported
Driller:	Larsen and Associates, Inc.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: KS Radon

Radon Test Results

Zipcode	Avg Radon	Max Radon	Num Tests
66048	4.4	62.0	362

Federal EPA Radon Zone for LEAVENWORTH County: 1

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 Zip Code: 66048

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.875 pCi/L	75%	25%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.307 pCi/L	86%	14%	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.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 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 2002 and 2005 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
Source: Department of Agriculture, Natural Resources Conservation Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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

Kansas Water Well Completion Records Database
Source: Kansas Geological Survey
Telephone: 913-864-3965

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Location Database Listing
Source: Kansas Geological Survey
Telephone: 785-864-3965

RADON

State Database: KS Radon
Source: Department of Health & Environment
Telephone: 785-296-1500
Kansas Indoor Radon Measurements

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B
USER QUESTIONNAIRE

USER QUESTIONNAIRE for PHASE I ENVIRONMENTAL SITE ASSESSMENT
ASTM STANDARD PRACTICE E1527-05

Note: In order to qualify for one of the *Landowner Liability Protections* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 the *User* (as defined in E1527-05) should provide the information requested below, to the extent available, to ensure the completion of "all appropriate inquiry" with respect to the subject Property. The *environmental professional* preparing the Phase I Environmental Site Assessment ("ESA") report needs this information to complete the report. Please see the attached "Common Elements Guide."

Property Identification: U.S.Penitentiary, Leavenworth, Kansas proposed prison sites

User: U.S. Federal Bureau of Prisons

Reason for ESA: Part of Environmental Assessment under NEPA of Proposed development sites

Questionnaire Respondent: B. Howell, Safety Manager

Signature: Will D Howell Jr. Date: 2/8/2011

1. **Environmental cleanup liens that are filed or recorded against the Property (40 CFR 312.25).**

Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, tribal, state or local law?

None known. Portions of the USP Leavenworth lie within state - listed hazardous waste disposal sites.

2. ***Activity and land use limitations* that are in place on the Property or that have been filed or recorded in a registry (40 CFR 312.26).**

Are you aware of any *activity and use limitations*, such as engineering controls, land use restrictions or *institutional controls* that are in place at the Property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

None known. The Kansas Department of Health and Environment restricts development in waste disposal areas; including those identified at the USP Leavenworth.

3. **Specialized knowledge or experience of the person seeking to qualify for the *Landowner Liability Protections* (40 CFR 312.28).**

As the *User* of this ESA, do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

The proposed development sites are adjacent to the USP Leavenworth. Documenation of chemical use and waste disposal at the USP Leavenworth has been provided for this environmental site assessment.

4. **Relationship of the purchase price to the fair market value of the Property if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this Property reasonably reflect the fair market value of the Property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Property?

Not applicable. Property will remain under ownership of U.S. Government.

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30).**

Are you aware of commonly known or reasonably ascertainable information about the Property that would help the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum to the environment? For example, as user,

(a.) Do you know the past uses of the Property?

Property has been under ownership of U.S. Government and used for USP for more than 100 years. Information on use of hazardous substances and petroleum has been provided for this environmental site assessment.

(b.) Do you know of specific chemicals that are present or once were present at the Property?

See materials provided for the environmental site assessment.

(c.) Do you know of spills or other chemical releases that have taken place at the Property?

See materials provided for the environmental site assessment.

(d.) Do you know of any environmental cleanups that have taken place at the Property?

See materials provided for the environmental site assessment.

6. **The degree of obviousness of the presence or likely presence of contamination at the Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**

As the User of this ESA, based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination at the Property?

Presence of contamination is known, described in documents made available for this environmental site assessment and in files of Kansas Department of Health and Environment.

APPENDIX C
HISTORICAL RESEARCH DOCUMENTATION

BOP Leavenworth Proposed Sites
1300 Metropolitan Ave.
Leavenworth, KS 66048

Inquiry Number: 2964951.5
January 13, 2011

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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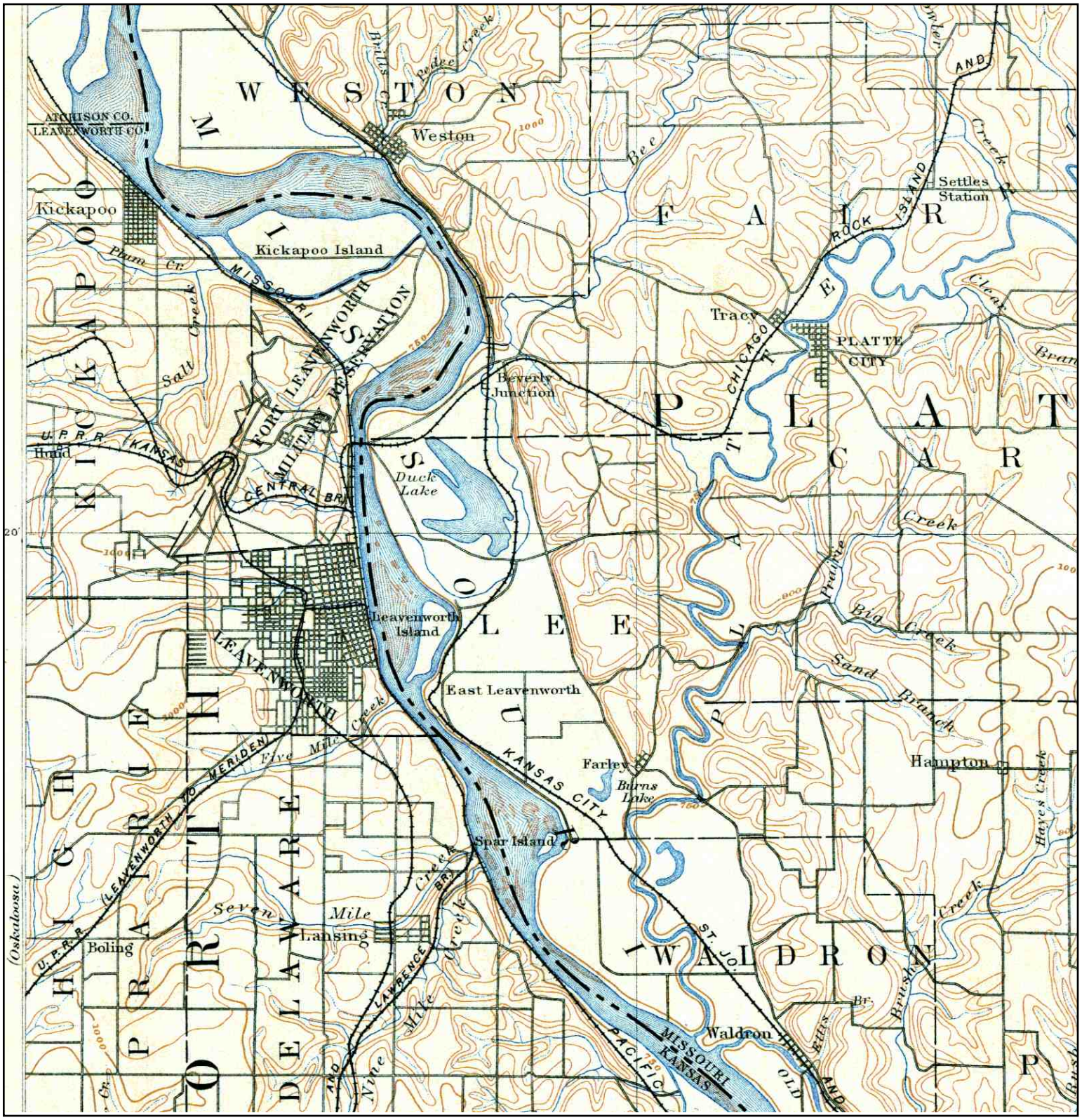
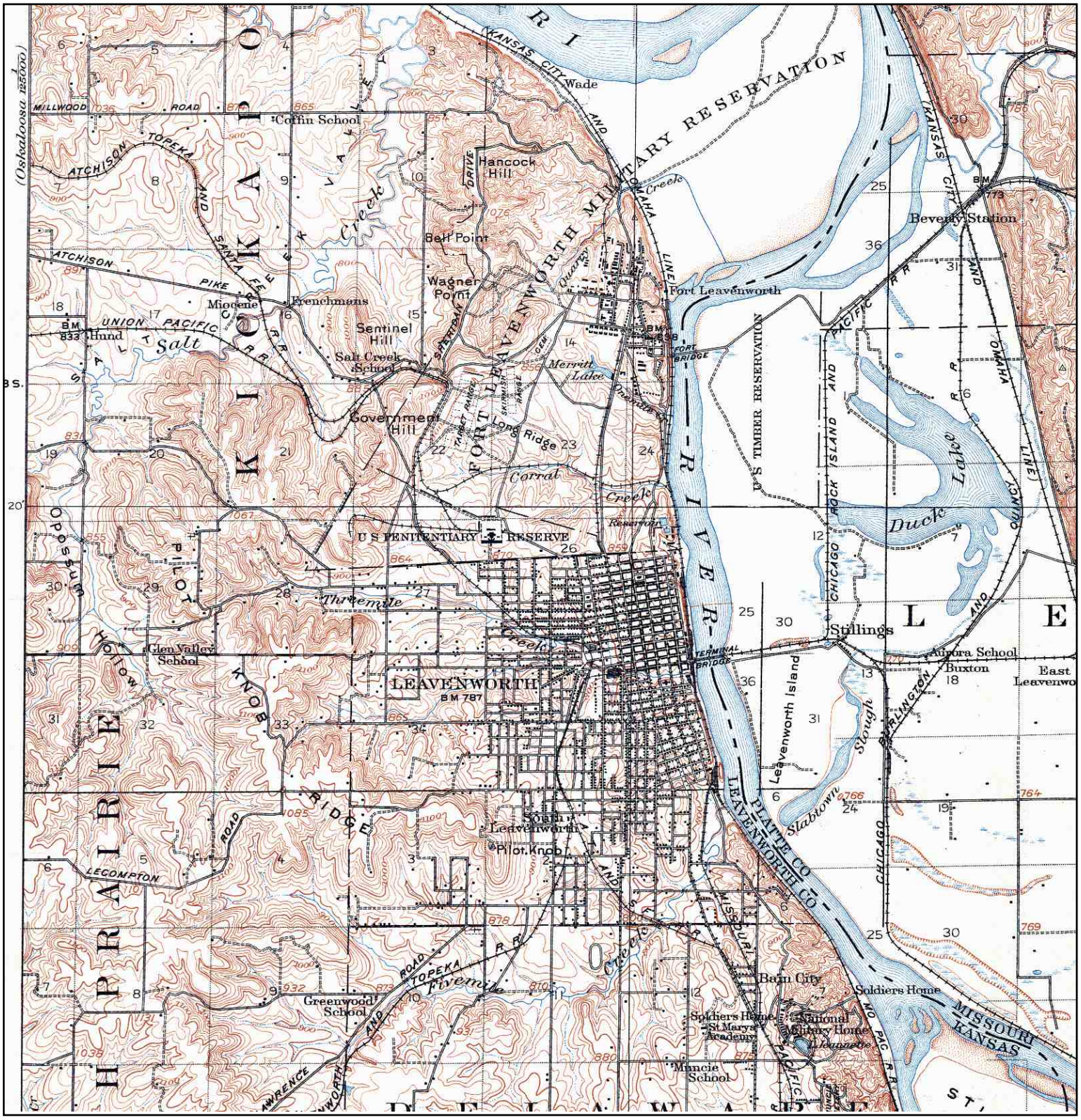
Historical Topographic Map



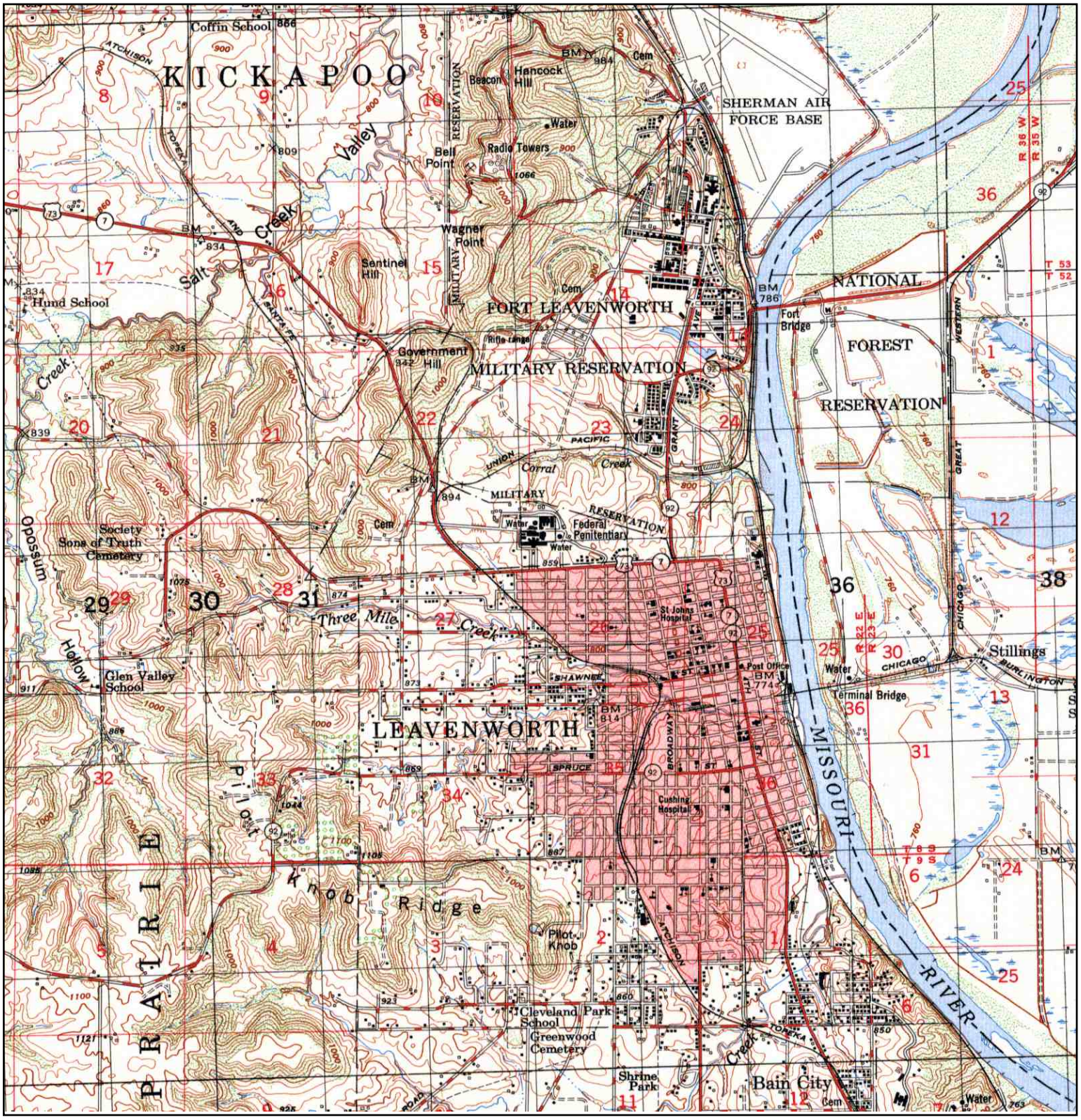
N	TARGET QUAD NAME: KANSAS CITY MAP YEAR: 1894 SERIES: 30 SCALE: 1:125000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348		CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011	

Historical Topographic Map



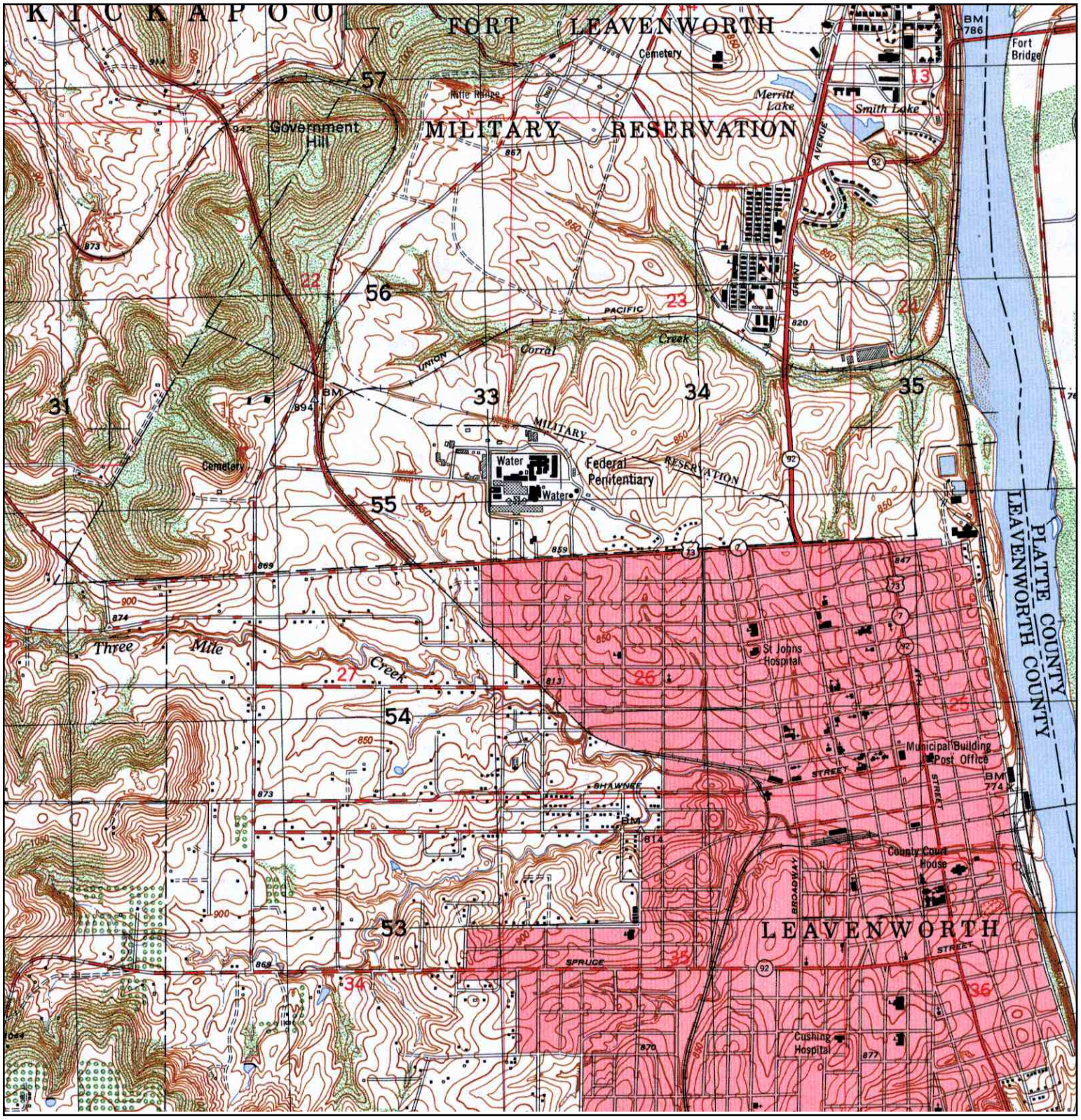
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1910 SERIES: 15 SCALE: 1:62500	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



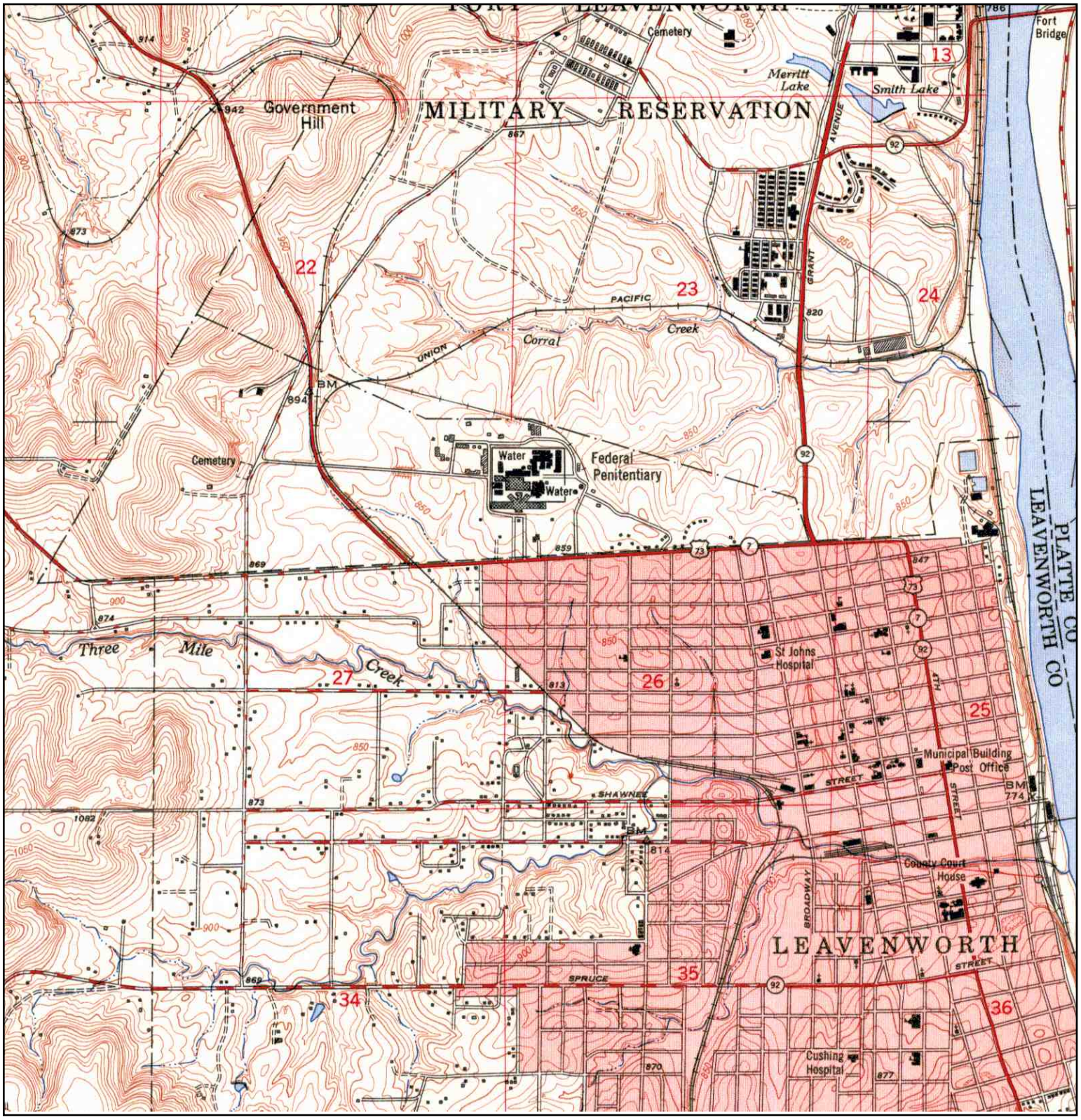
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1948 SERIES: 15 SCALE: 1:50000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348		CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011	

Historical Topographic Map



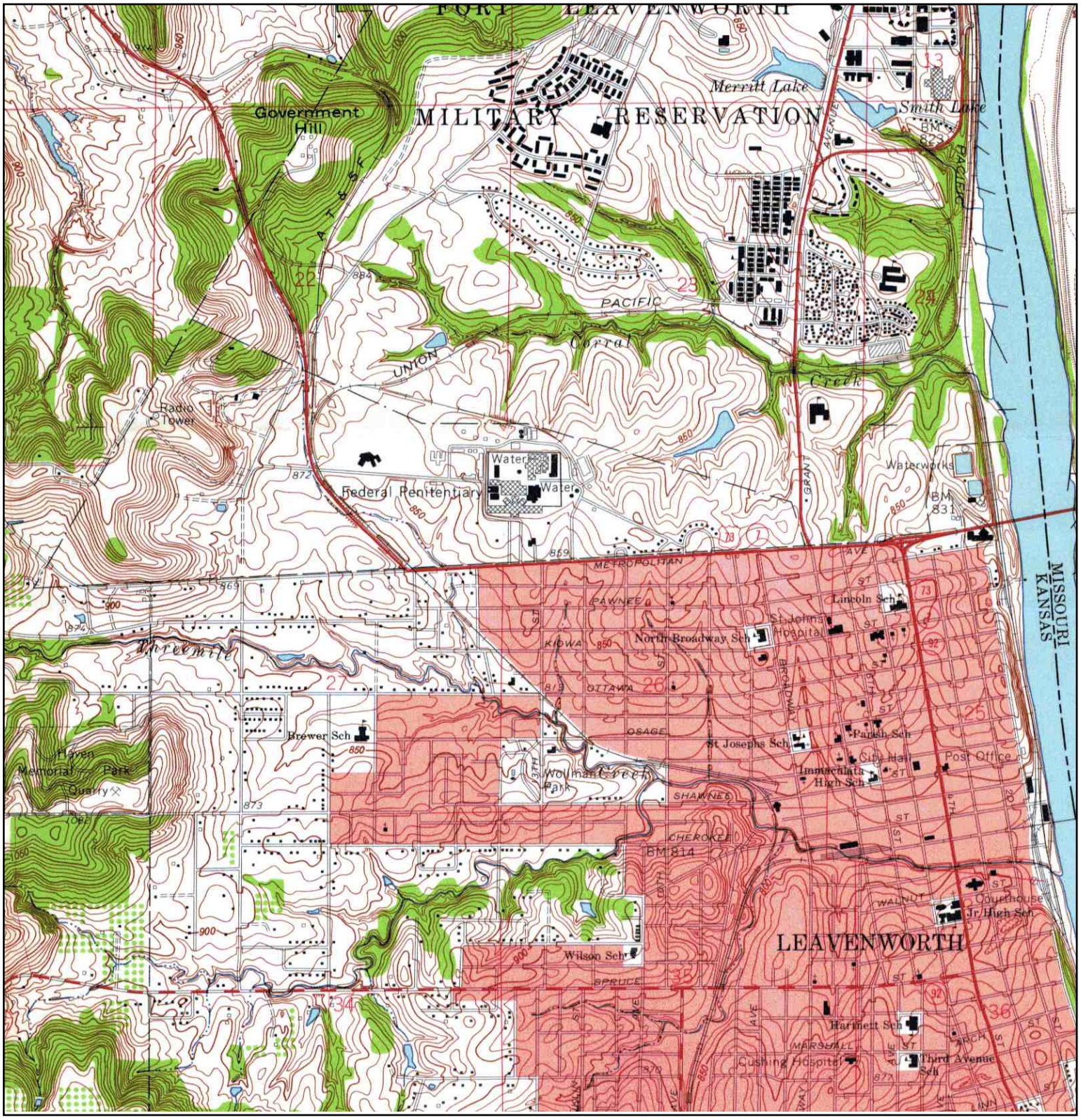
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1949 SERIES: 7.5 SCALE: 1:25000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



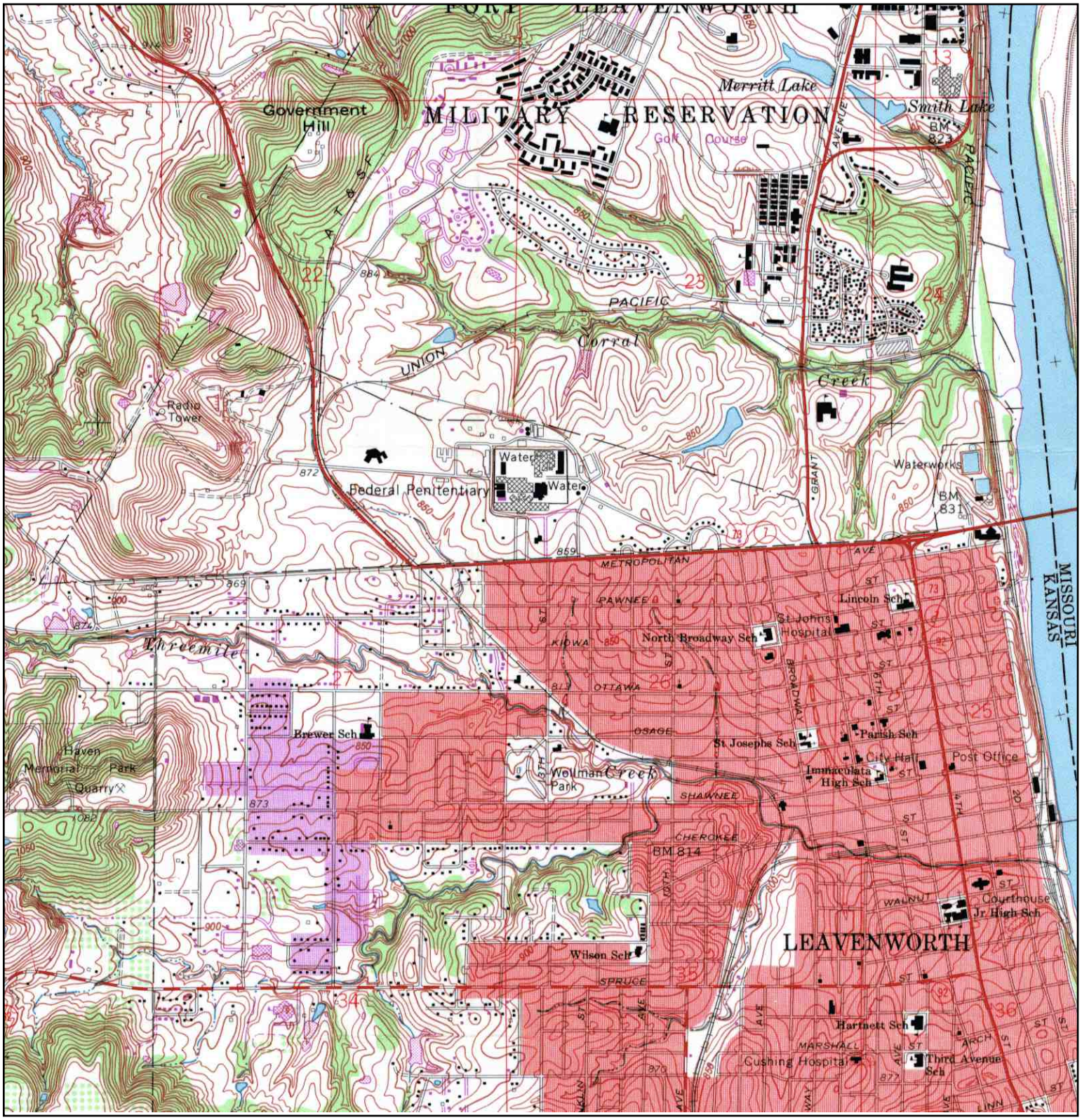
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1951 SERIES: 7.5 SCALE: 1:24000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



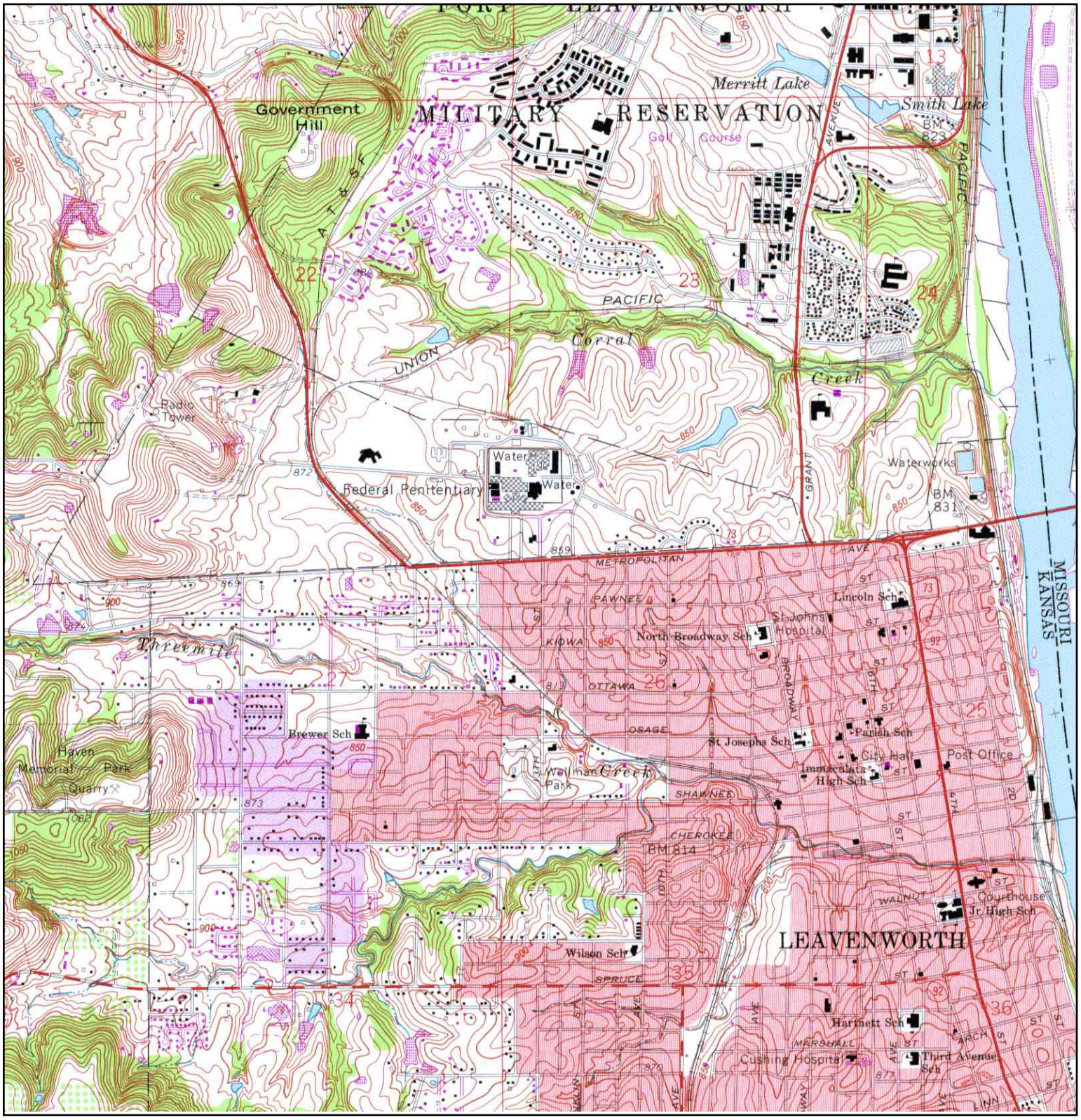
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



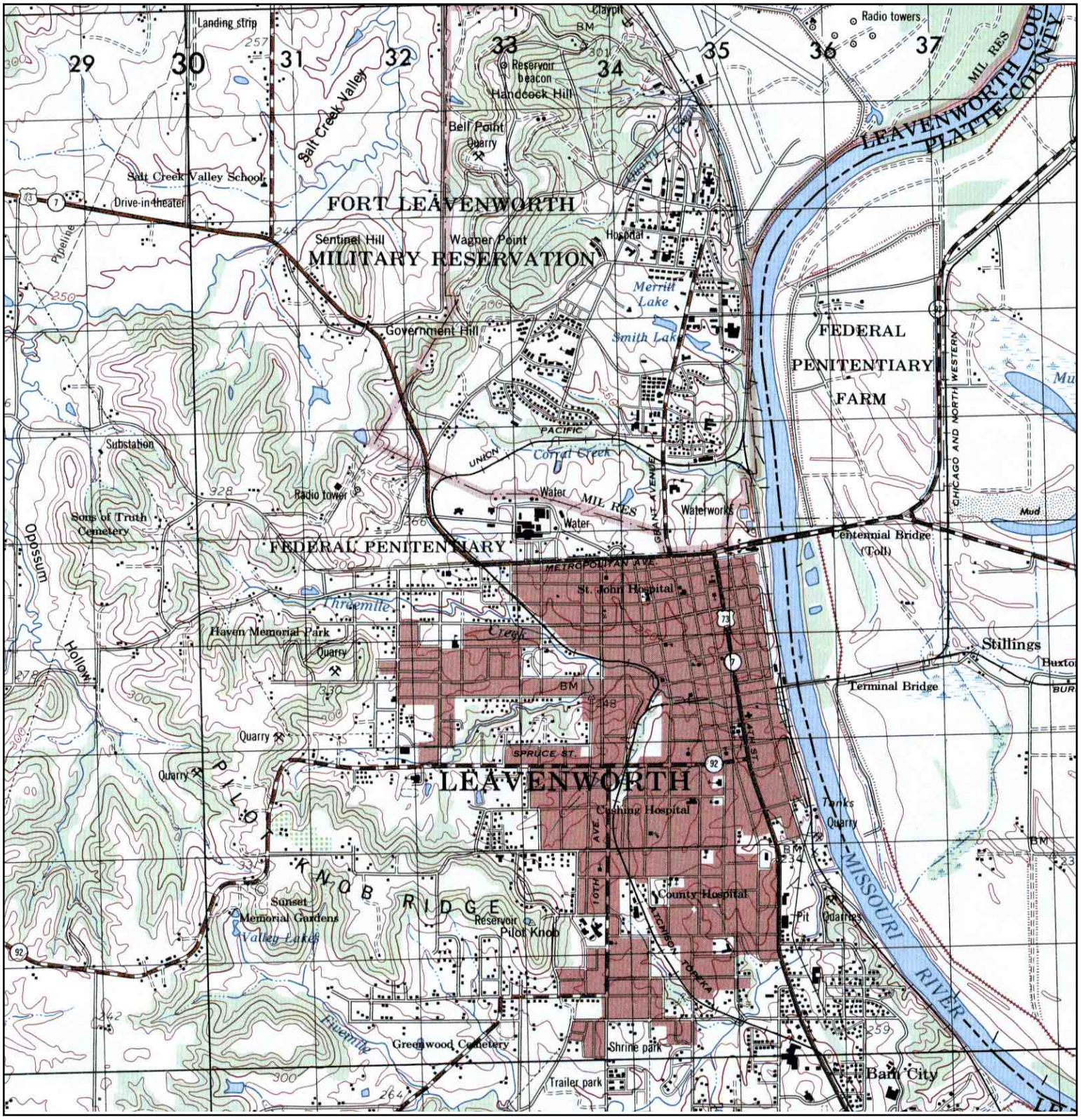
N	TARGET QUAD		SITE NAME:	BOP Leavenworth Proposed Sites	CLIENT:	The Louis Berger Group
	NAME:	LEAVENWORTH			CONTACT:	Doug Ganey
	MAP YEAR:	1970	ADDRESS:	1300 Metropolitan Ave.	INQUIRY#:	2964951.5
	PHOTOREVISED:	1961		Leavenworth, KS 66048	RESEARCH DATE:	01/13/2011
	SERIES:	7.5	LAT/LONG:	39.3278 / -94.9348		
	SCALE:	1:24000				

Historical Topographic Map



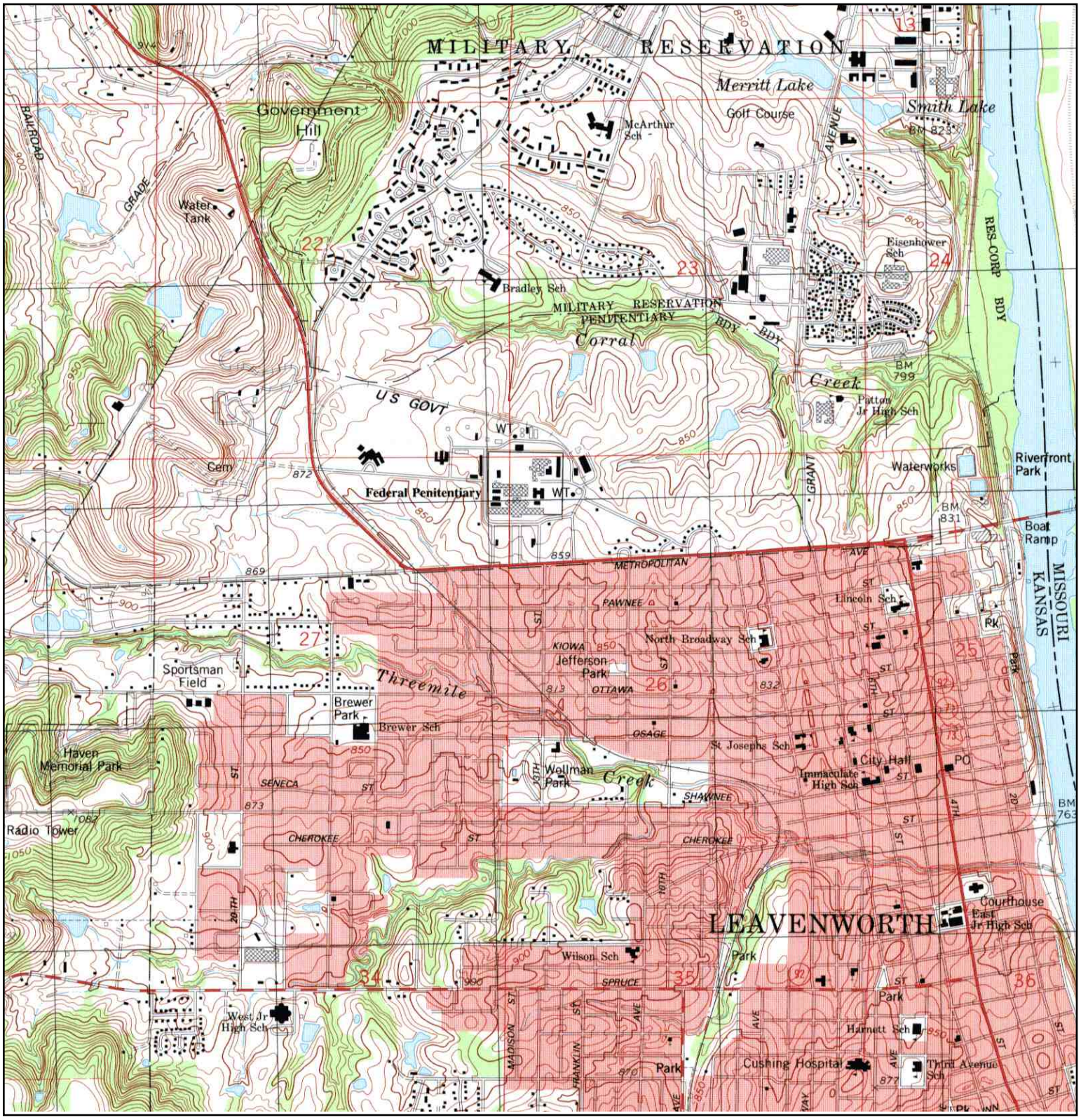
N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1975 PHOTOREVISED:1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1976 SERIES: 15 SCALE: 1:50000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

Historical Topographic Map



N	TARGET QUAD NAME: LEAVENWORTH MAP YEAR: 1984 SERIES: 7.5 SCALE: 1:24000	SITE NAME: BOP Leavenworth Proposed Sites ADDRESS: 1300 Metropolitan Ave. Leavenworth, KS 66048 LAT/LONG: 39.3278 / -94.9348	CLIENT: The Louis Berger Group CONTACT: Doug Ganey INQUIRY#: 2964951.5 RESEARCH DATE: 01/13/2011

USP Leavenworth
1300 Metropolitan
Leavenworth, KS 66048

Inquiry Number: 2555425.2
August 03, 2009

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Date EDR Searched Historical Sources:

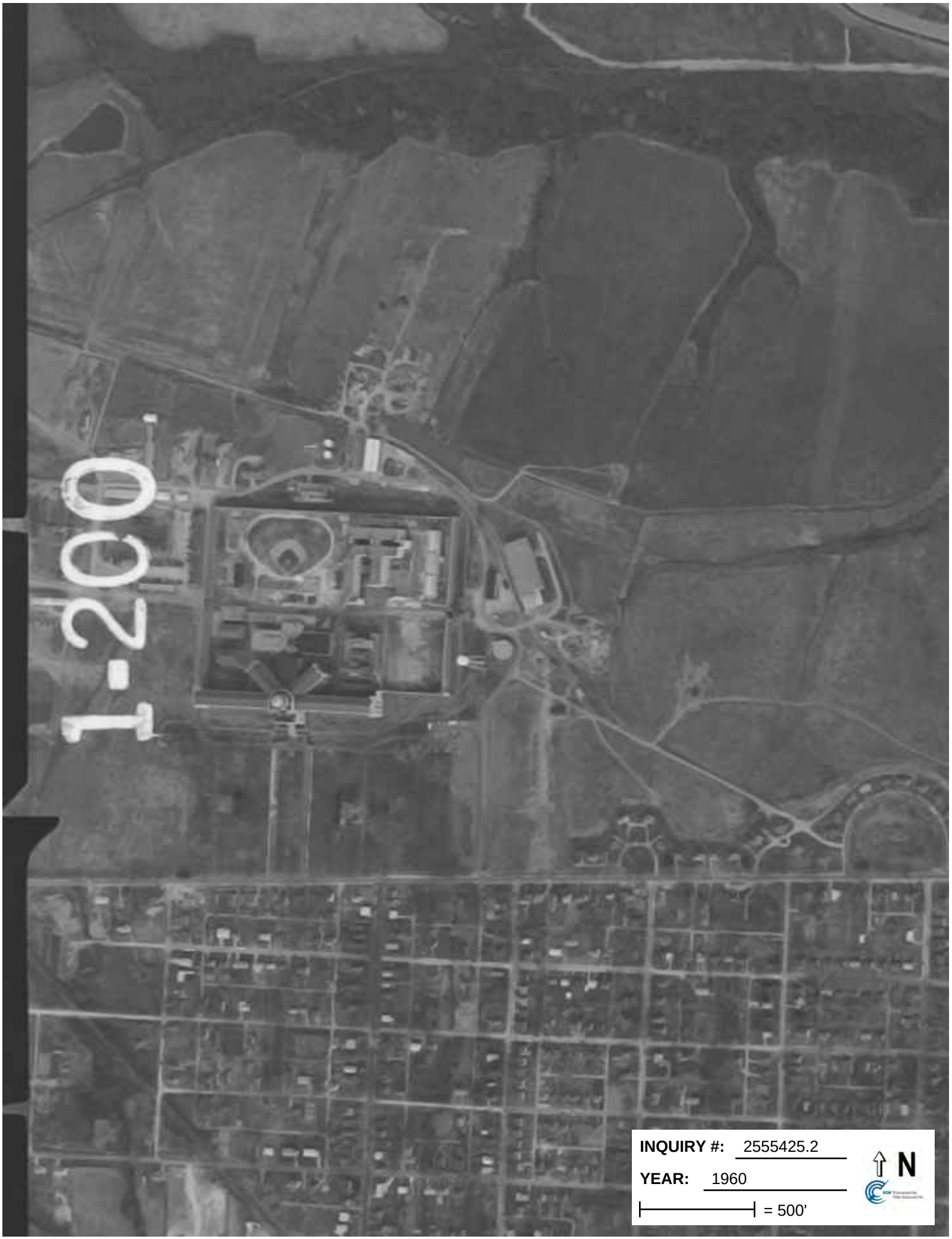
Aerial Photography August 03, 2009

Target Property:

1300 Metropolitan

Leavenworth, KS 66048

Year	Scale	Details	Source
1960	Aerial Photograph. Scale: 1"=500'	Panel #: 2439094-C8/Flight Date: November 24, 1960	EDR
1962	Aerial Photograph. Scale: 1"=1000'	Panel #: 2439094-C8/Flight Date: August 16, 1962	EDR
1972	Aerial Photograph. Scale: 1"=750'	Panel #: 2439094-C8/Flight Date: September 10, 1972	EDR
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2439094-C8/Flight Date: May 15, 1975	EDR
1983	Aerial Photograph. Scale: 1"=1000'	Panel #: 2439094-C8/Flight Date: May 23, 1983	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 2439094-C8/Flight Date: September 07, 1985	EDR
1990	Aerial Photograph. Scale: 1"=750'	Panel #: 2439094-C8/Flight Date: March 01, 1990	EDR
1997	Aerial Photograph. Scale: 1"=750'	Panel #: 2439094-C8/Flight Date: March 26, 1997	EDR
2005	Aerial Photograph. 1" = 604'	Flight Year: 2005	EDR
2006	Aerial Photograph. 1" = 604'	Flight Year: 2006	EDR



INQUIRY #: 2555425.2

YEAR: 1960

= 500'

N

INQUIRY #: 2555425.2
YEAR: 1962
= 1000'
N

INQUIRY #: 2555425.2
YEAR: 1972
= 750'
N

INQUIRY #: 2555425.2

YEAR: 1975

= 750'

N

INQUIRY #: 2555425.2
YEAR: 1983
= 1000'
N

INQUIRY #: 2555425.2
YEAR: 1985
= 1000'
N

INQUIRY #: 2555425.2
YEAR: 1990
= 750'
N

INQUIRY #: 2555425.2
YEAR: 1997
= 750'
N

INQUIRY #: 2555425.2

YEAR: 2005

= 604'

N

INQUIRY #: 2555425.2
YEAR: 2006
= 604'
N

BOP Leavenworth Proposed Sites
1300 Metropolitan Ave.
Leavenworth, KS 66048

Inquiry Number: 2964951.4
January 12, 2011

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800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

1/12/11

Site Name:
BOP Leavenworth Proposed
1300 Metropolitan Ave.
Leavenworth, KS 66048

Client Name:
The Louis Berger Group
1050 20th Street
Sacramento, CA 95811

EDR Inquiry # 2964951.4

Contact: Doug Ganey

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Certified Sanborn Results:

Site Name: BOP Leavenworth Proposed Sites
Address: 1300 Metropolitan Ave.
City, State, Zip: Leavenworth, KS 66048
Cross Street:
P.O. # CJI-1949
Project: BOP - Leavenworth, KS
Certification # A90F-42ED-851A

Sanborn® Library search results
Certification # A90F-42ED-851A

UNMAPPED PROPERTY

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- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX D
SITE PHOTOGRAPHS

Photo 1. View west along Metropolitan Ave. from USP entrance. All photos from January 18-19, 2011.

Photo 2. View east along Metropolitan Ave. from near USP entrance.

Photo 3. BOP housing on the East Site from Metropolitan Ave.

Photo 4. View northwest across the East Site.

Photo 5. "Pond 1" on East Site (upper left) with adjacent impoundment (center).

Photo 6. Forested area surrounding Corral Creek at northern end of the East Site.

Photo 7. Corral Creek, with Army Fort Leavenworth housing visible on north bank.

Photo 8. "Pond 2" on East Site, main USP facility visible at upper left.

Photo 9. Construction debris in drainage gully on East Site.

Photo 10. View east from the West Site across Buffalo Pasture to main USP.

Photo 11. Buffalo Pasture, West Site.

Photo 12. Sewage lift station for FPC, West Site.

Photo 13. Federal Prison Camp, West Site.

Photo 15. Loading dock area, outside kitchen of FPC.

Photo 14 FPC Visitors Center, West Site.

Photo 16. Recreational yard area, FPC.

APPENDIX E
QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONALS

DOUGLAS GANEY, R.E.A., C.P.G.

Principal Environmental Scientist

EDUCATION:
M.E.S.M. Environmental Science & Management, University of California, Santa Barbara, 2001
M.S. Geosciences, University of Massachusetts at Amherst, 1998
B.A. Geology, Boston University, 1989
Coursework in Microbiology, Sacramento City College, 2010

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS:
State of California Registered Environmental Assessor #07067
Certified Professional Geologist, American Institute of Professional Geologists (AIPG) #10868
OSHA 40-Hour Hazardous Waste Operations and Emergency Response, 8-hour supervisor training, 10-hour construction safety certification

PROFESSIONAL TRAINING:
Climate Change Adaptation Planning, UC Davis Extension 2010.
CEQA and Climate Change – An In-Depth Update, UC Davis Extension 2009.
Successful CEQA Compliance: An Intensive Two-Day Seminar, UC Santa Barbara 2001

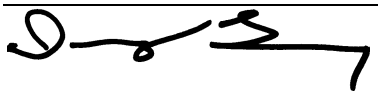
PROFESSIONAL AFFILIATIONS:
Committee Member, AIPG Committees on Climate Change and Energy (Environmental Team Lead)
Geological Society of America
The Oceanography Society
American Geophysical Union
New York Academy of Sciences
Gulf of the Farallones National Marine Sanctuary, Volunteer

PUBLICATIONS, HONORS, PRESENTATIONS:

- AIPG Presidential Certificate of Merit, 2009.
- submittal on hydrology and geochemistry of temporary ponds, *Wetlands* journal, *in revision*.
- abstract, *Society for Ecological Restoration, California Chapter, Annual Meeting Program*, 2000.
- abstract, *Geological Society of America, Northeast Section Annual Meeting Program*, 1994

PROFESSIONAL EXPERIENCE SUMMARY:

Doug Ganey is currently a Principal Environmental Scientist with the Louis Berger Group, Inc., responsible for managing projects in environmental science, planning, and management, as well as daily operations of the Sacramento, California office. He has a broad technical background in earth and environmental sciences, including hydrogeology; wetlands restoration, hydrology and geochemistry; coastal and marine geology; and microbial ecology. Mr. Ganey has broad experience in environmental planning and management including the NEPA and CEQA environmental planning processes. Over 19 years he has managed numerous environmental science, assessment, and remediation projects in 28 states. His project experience includes geotechnical investigations, general environmental & lead/asbestos abatement services; solid waste, eco-restoration and water quality, and emergency response. He also teaches college science courses in earth, ocean, and environmental sciences, most recently as an Adjunct Assistant Professor at American River College in Sacramento.



THOMAS W. PAYNE, P.E.
Principal Environmental Engineer

EDUCATION:
M.S. Civil and Environmental Engineering, Tufts University, 1996
B.S. Civil and Environmental Engineering, Tufts University, 1995

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS:
Professional Engineer (P.E.), Rhode Island and Hawaii

PROFESSIONAL TRAINING:
OSHA 40-Hour Health & Safety Training for Hazardous Waste Site Activities (29 CFR 1910.120)
OSHA 10-Hour Hazardous Awareness Training for Construction (29 CFR 1926)

PROFESSIONAL AFFILIATIONS:
American Society of Civil Engineers
Society of American Military Engineers
Water Environment Federation
New England Water Environment Association
American Water Works Association

PROFESSIONAL EXPERIENCE SUMMARY:

Mr. Payne is a Principal Environmental Engineer with The Louis Berger Group, Inc with 15 years experience in the development and supervision of environmental projects for various government and private sector clients. His responsibilities have included the participation in the preparation of Environmental Impact Statements (EISs), Environmental Assessments (EAs), Phase I and Phase II Environmental Site Assessments (ESAs), and environmental permitting for projects in accordance with various federal laws including the NEPA, the Clean Water Act, NPDES, and applicable state environmental laws within multiple states across the U.S. Relevant project experience includes:

- **Engineering and Environmental Assessments, Hawaii Department of Human Services.** Project Manager for preparation of Environmental Site Assessments for construction of three new facilities for the Hawaii Department of Human Services (DHS) to support the Ke Kama Pono "Children of Promise" Program on the islands of Oahu, Maui and Hawaii. One of the sites is located in Kalaeloa which is located on Barbers Point in the area of the former Naval Air Base and is presently owned by the Department of Hawaiian Home Lands (DHHL). The utilities within this area are still owned and operated by NAVFAC – Hawaii. Responsibilities included coordination with DHHL and NAVFAC – Hawaii while gathering information related to site infrastructure and site environmental conditions. Other responsibilities include the preparation of portions of the report regarding the environmental impacts associated with utility infrastructure capacities and environmental conditions such as hazardous materials.

- **Phase 1 Environmental Site Assessment, Coventry, Rhode Island.** Project Leader responsible for conducting Phase I Environmental Site Assessment pursuant to the American Society Testing and Materials (ASTM) standard E-1527-00 for an asphalt plant located approximately in Coventry, Rhode Island. The purpose of this investigation was to identify the presence or likely presence, release or threat of release of any hazardous substances or petroleum products affecting the land area. The investigation satisfied due diligence provisions of the "innocent landowner defense" in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendment and Reauthorization Act (SARA). *Client: Private Client.*

- **Environmental Assessments, U.S. Department of Justice Federal Bureau of Prisons - Nationwide.** Project Engineer responsible for determining availability and capability of existing utilities to meet the needs of the proposed development at multiple sites across throughout the eastern U.S. Reviewed water supply systems; wastewater collection, treatment, and disposal systems; stormwater discharges; natural gas distribution systems; telecommunications; and power supply circuits of local utility providers. Also determined if capacity of local utility providers could meet the requirements of proposed development. Provided alternatives with construction cost estimates and recommendations where adequate service did not exist. Determined environmental impacts associated with site development and recommended mitigation alternatives. Sites evaluated were located in: Martin and McCreary Counties, Kentucky; Cambria and Wayne Counties, Pennsylvania; Preston, Ohio, and Tyler Counties, West Virginia. *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Environmental Compliance Audit, Springfield, Missouri.** Project Engineer participating on an audit team performing environmental audit of the United States Medical Center for Federal Prisoners in Springfield, Missouri for the Federal Bureau of Prisons. Responsibilities include evaluation of the environmental programs, compliance with Executive Orders and other environmental laws and regulations at the Federal, State, and Local levels which are applicable to FBOP facilities and activities. In addition to environmental compliance, the audit included evaluation of personnel training procedures, identification of corrective actions, and internal audit procedure methods. *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Phase 1 Environmental Site Assessments - Massachusetts.** Project Engineer responsible for conducting Phase I Environmental Site Assessments pursuant to the American Society Testing and Materials (ASTM) standard E-1527-00 at multiple locations throughout Massachusetts. Many of the subject properties were under consideration for acquisition to support expansion of State facilities, while others already belonging to the Commonwealth, were expected to be re-activated. These properties ranged from future courthouse sites and abandoned hospitals to parking lots and garages. The investigation satisfied due diligence provisions of the "innocent landowner defense" in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendment and Reauthorization Act (SARA). *Client: Division of Capital Asset Management, Boston, MA.*

- **Investigation of Suspect Waste Disposal Sites, Lee County, Virginia.** Project Engineer responsible for performing detailed field investigation of a suspected disposal site reportedly located in Lee County, Virginia. Conducted interviews of local residents, business owners, and officials to substantiate the reports of the disposal sites. Developed and conducted geotechnical investigation to verify the presence of the waste disposal sites, determined the nature of the waste, and determined the limits of the wastes. Researched Local, State, and Federal regulatory remediation requirements to determine the appropriate action. Analyzed data from comprehensive waste screen analysis and developed remediation alternatives with cost estimates. Other responsibilities included field safety officer and liaison between client and property owner. *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Pre-demolition Inspection and Environmental Assessment, Rochester, Minnesota.** Project Engineer. Conducted on-site inspection of two properties to determine the general condition and identify environmental concerns associated with demolition of existing buildings. Performed qualitative assessment of building materials for the presence of asbestos. Identified other hazardous materials such as PCBs in electrical equipment and lead-based paint. Identified the presence of aboveground and underground storage tanks. Reviewed local health department records and other pertinent documentation to assess the environmental conditions in the area of the properties. Reviewed the regulations of the local health department and pollution control agency pertaining to demolition and hazardous materials. Prepared a demolition cost estimate which included asbestos abatement, off-site disposal of debris, and site restoration. *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Building Demolition, Phase II Environmental Investigation and Debris Removal, Bennettsville, South Carolina.** Project Manager/Engineer responsible for providing contract administration services for the demolition of several abandoned structures on a property under development. Provided oversight of debris removal activities and sampling of sites suspected of having underground storage tanks or known to been used for illegal dumping activities. Developed and executed a sample collection plan and assessed the results of the laboratory analysis. Also provided oversight during the abandonment of 18 drinking water and irrigation wells and the closure of 17 on-site wastewater disposal systems in accordance with the rules and regulations of the South Carolina Department of Health and Environmental Control. Other responsibilities included coordination with regulatory agencies and on-site contractors, development and implementation of the site Health and Safety Plan for activities related to site cleanup and investigation. *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Phase I Environmental Site Assessment, Airport Center East Property.** Project Engineer on team responsible for preparation of a Phase I Environmental Site Assessment for a property located at 2082 Post Road (Assessor's Plat 323, Lot 266) in Warwick, Rhode Island that was formerly used as a motel and dormitory space. The Rhode Island Airport Corporation is considering demolition of existing structures for redevelopment of the property. Performed Phase I ESA in accordance with the scope and limitations of ASTM International (ASTM) 's Standard E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the "due diligence" regulations of the Comprehensive Environmental Response, Compensation and Liability Act and Section 9601 (35)(b) of the Superfund Amendment and Reauthorization Act. *Client: Rhode Island Airport Corporation.*

- **Phase 1 Environmental Site Assessment, Salem and Lowell, Massachusetts.** Project Leader responsible for conducting Phase I Environmental Site Assessment pursuant to the American Society Testing and Materials (ASTM) standard E-1527-00 potential sites of County Trial Courthouses. The purpose of these investigations was to identify the presence or likely presence, release or threat of release of any hazardous substances or petroleum products affecting each of the land area. The investigations satisfied due diligence provisions of the "innocent landowner defense" in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendment and Reauthorization Act (SARA). *Client: Commonwealth of Massachusetts Division of Capital Asset Management and Maintenance.*

- **Phase 1 Environmental Site Assessment, Massena, New York.** Project Leader responsible for conducting Phase I Environmental Site Assessment pursuant to the American Society Testing and Materials (ASTM) standard E-1527-00 for the proposed site of a border patrol station in upstate New York. The purpose of this investigation was to identify the presence or likely presence, release or threat of release of any hazardous substances or petroleum products affecting the project area. The investigation satisfied due diligence provisions of the "innocent landowner defense" in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendment and Reauthorization Act (SARA). *Client: Department of Justice, Immigration and Naturalization Service, Washington, D.C*

- **Phase 1 Environmental Site Assessments, Bennettsville, South Carolina.** Project Leader responsible for conducting Phase I Environmental Site Assessments pursuant to the American Society Testing and Materials (ASTM) standard E-1527-00 for seventeen properties located approximately three miles northwest of Bennettsville, South Carolina. The purpose of these investigations was to identify the presence or likely presence, release or threat of release of any hazardous substances or petroleum products affecting the land area. Gathered preliminary information regarding the level of compliance with current environmental standards, laws, regulations, and permits. Established a baseline of environmental conditions for historic and comparative purposes. Identified whether any hazardous substances have been stored, released, or disposed of on the property. The investigation satisfied due diligence provisions of the "innocent landowner defense" in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendment and Reauthorization Act (SARA). *Client: U.S. Department of Justice, Federal Bureau of Prisons, Washington, D.C.*

- **Phase I Environmental Site Assessment; Round Hill Beach Tidal Marsh Restoration Feasibility Study - South Dartmouth, Massachusetts.** Project Engineer for hazardous materials investigation of a town-owned 12-acre undeveloped parcel adjacent to Round Hill Beach, as a component of a study to evaluate the feasibility of restoring the former salt marsh at the location. In the 1920s, the property had undergone alterations to create an airfield. The Phase I inspections identified several incidental waste materials at the property that warranted removal, but none that constituted Recognized Environmental Conditions to the extent that Phase II investigation would be required. *Client: National Oceanic and Atmospheric Admin.*

CRISTY BOYD
The Louis Berger Group, Inc.
Principal Environmental Scientist

Education:	BA, Environmental Science, Florida Atlantic University, 1993
	Graduate Studies, Geology, Florida Atlantic University, 1994
Certifications:	U.S. Army Corps of Engineers Wetland Delineation Certification Training
	Certified Environmental Inspector Environmental Assessment Association
	Florida Association of Soil Scientists
Affiliations:	Society of Ecological Restoration
	Environmental Assessment Association
	Exotic Pest Plant Council
	Florida Native Plant Society
Years of Experience:	17
Years with Berger:	10

PROFESSIONAL EXPERIENCE SUMMARY:

Ms. Boyd is a principal environmental scientist with seventeen years experience in the development and supervision of environmental projects for various government and private sector clients. Responsibilities have included the preparation of Environmental Impact Statements (EISs), Environmental Assessments (EAs), and environmental permit applications for projects in accordance with federal laws including the National Environmental Policy Act (NEPA), the Clean Water Act, the Endangered Species Act and applicable state environmental laws within West Virginia, Hawaii, California, Texas, Oklahoma, Arizona, Florida, New Jersey, New York, Alabama, Idaho, North Carolina, South Carolina, Virginia and Pennsylvania. Primary responsibilities have included coordination with client and agency representatives, engineers, planners, landscape architects etc.; and preparing permit applications, mitigation plans, and monitoring permit compliance. Additionally, Ms. Boyd has managed numerous pre-purchase site feasibility studies, habitat/biological assessments, bio-community mapping, wetland delineations and listed species surveys.

For the past ten years, Ms. Boyd has simultaneously managed dozens of environmental studies for the U.S. Department of Justice in support of new detention and correctional facility developments throughout the U.S. In this role, Ms. Boyd is responsible for writing task order assignments, organizing and leading teams of scientists throughout all phases of facility development including site selection, preparation of EISs and EAs, Phase 1 and 2 Environmental Site Assessments, Stormwater Management Plans, endangered species surveys and state and federal permit applications. During facility construction, Ms. Boyd conducts environmental compliance inspections, mitigation monitoring activities and environmental training programs to educate construction personnel regarding environmentally sensitive resources.