FINAL

ENVIRONMENTAL CONDITION OF PROPERTY REPORT

LEWISBURG
U.S. ARMY RESERVE CENTER (PA058)
480 HAFER ROAD
LEWISBURG, PA 17837

Prepared For:

U.S. Army Corps of Engineers – Louisville District
Engineering Division – Environmental Engineering Branch
600 Dr. Martin Luther King, Jr. Place
Louisville, Kentucky 40202-2232

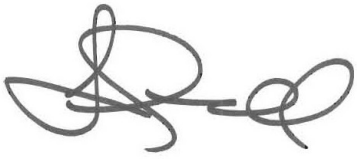
FEBRUARY 2007

ENVIRONMENTAL CONDITION OF PROPERTY REPORT SIGNATURE SHEET

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DOD) requirements for completion of an Environmental Condition of Property (ECP) Report.

BRUCE L. KISH **DATE**
Environmental Protection Specialist
99th Regional Readiness Command

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.



02/07/2007

LENARD GUNNELL, P.G. **DATE**
Project Geologist
U.S. Army Corps of Engineers

Executive Summary

CH2M HILL and Plexus Scientific Corporation (Plexus), under contract to the United States Army Corps of Engineers (USACE), Louisville District, prepared this Environmental Condition of Property (ECP) Report for the Lewisburg U.S. Army Reserve (USAR) Center (Facility ID PA058), hereafter referred to as the "Property" or "USAR Center." The Property is located in Lewisburg, Union County, Pennsylvania and encompasses approximately 10 acres.

This ECP was conducted in general conformance with the Department of Defense's Base Redevelopment and Realignment Manual, DoD 4165.77-M (BRRM), Army Regulation 200-1, and the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*.

This ECP Report details the history of the Property, including the U.S. Army Reserve and any prior tenant uses of the Site and the resulting environmental condition of the Property.

The USAR Center is on approximately 10 acres of land with two permanent structures, a 10,316 square-foot administration building and a 1,400 square-foot organizational maintenance shop (OMS) building. The 542nd Quartermaster Company is the currently occupies the USAR Center.

Based on a review of aerial photographs and United States Geological Survey (USGS) topographical maps dating back to 1893, the Property consisted of undeveloped and open fields used primarily for agricultural purposes, prior to acquisition by the U.S. Government. The western 5-acre parcel of the Property was purchased in 1983 and the buildings constructed in 1987. The eastern 5-acre parcel was later purchased in 1994 for the construction of additional parking; however, the parking lot was never constructed. The eastern 5-acre parcel has only been used for agricultural purposes (leased by a local resident).

Areas of potential environmental concern were reviewed, and CH2M HILL and Plexus found no indications of a release or disposal of hazardous or petroleum products related to the USAR use of this property.

In accordance with Department of Defense (DoD) policy defining the classifications (See Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified as Type 1. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public 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.

Contents

Appendices

Abbreviations and Acronyms

The following is a comprehensive list of abbreviations and acronyms that are used throughout this report.

ACM	asbestos-containing material
AMSA	Area Maintenance and Support Activity
AR	army regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CFR	Code of Federal Regulations
CONEX	Container Express
CORRACTS	corrective actions
DoD	Department of Defense
ECP	environmental condition of property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking
msl	mean sea level
µg/sf	micrograms per square foot
NFA	no further action
NGVD	National Geodetic Vertical Datum

NPL	National Priorities List
NRCS	National Resource Conservation Service
NRHP	National Register of Historic Places
OMS	organizational maintenance shop
OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/L	picoCuries per liter of air
PDEP	Pennsylvania Department of Environmental Protection
PDER	Pennsylvania Department of Environmental Resources
POL	petroleum, oil, and lubricant
POV	privately owned vehicle
PP&L	Pennsylvania Power & Light
PSOTNC	Pennsylvania Science Office of The Nature Conservancy
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RQ	reportable quantity
RRC	Regional Readiness Command
SHPO	State Historic Preservation Office
STATSGO	State Soil Geographic Database
TSD	treatment, storage, or disposal
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
WSR	wild and scenic river

1 Introduction

CH2M HILL, under contract to the United States Army Corps of Engineers (USACE) Louisville District Engineering Division was authorized to conduct an Environmental Condition of Property (ECP) report for the Lewisburg United States Army Reserve (USAR) Center (PA058). The facility is located at 480 Hafer Road, Lewisburg, Union County, Pennsylvania, and is hereafter referred to as the "Property" or "USAR Center." CH2M HILL and Plexus Scientific Corporation prepared this ECP report under contract number W912QR-04-D-0020, Task Order No. 0018, with the Louisville District USACE.

A visual non-intrusive reconnaissance of the Property was conducted on August 7, 2006 in support of the ECP. The reconnaissance purpose was to visually obtain information indicating the likelihood of recognized environmental conditions associated with the Property or adjacent properties.

In preparing this ECP report, CH2M HILL and Plexus Scientific Corporation gathered information from the available records and previous work from others; interviews with individuals purporting to be familiar with the Property; and observations from a site reconnaissance. The accuracy of the information obtained from these sources was not verified by CH2M HILL or Plexus Scientific Corporation. As such, CH2M HILL and Plexus will make no warranty, expressed or implied, relative to the accuracy, completeness, or reliability of the information used to create the records and reports prepared by others.

1.1 Purpose of Environmental Condition of Property

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist Federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under EPA's "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more – specifically, quantities exceeding 1,000 kilograms or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or one kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP Report address asbestos, lead-based paint, radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, the BRRM, CERCLA § 120, and Army Regulation 200-1.

1.2 Scope of Services

This ECP report covers the 10-acre USAR Center located at 480 Hafer Road, Lewisburg, Pennsylvania. The Property is bounded by Hafer Road to the south, JPM Road to the west, and agricultural fields to the east, and an abandoned rail line to the north. All site maps, figures and aerial photographs referenced herein are provided in Appendix A, while Appendix B contains the photographs taken during the August 7, 2006 site reconnaissance. Appendix C contains the Property chain of title information, and lease or permit agreements if applicable. Relevant historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) radius search reports commissioned for this effort.

This ECP report classifies the property into one of seven DoD Environmental ECP categories as defined by the Deputy Under Secretary of Defense Memorandum, *Clarification of "Uncontaminated" Environmental Condition of Property at Base Realignment and Closure (BRAC) Installations*, dated October 21, 1996. The property classification categories are as follows:

- ECP Area Type 1—An area or parcel of real property where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).
- ECP Area Type 2—An area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred.
- ECP Area Type 3—An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.
- ECP Area Type 4—An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and all

remedial actions necessary to protect human health and the environment have been taken.

- ECP Area Type 5—An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and removal or remedial actions, or both, are underway, but all required actions have not yet been taken.
- ECP Area Type 6—An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required response actions have not yet been initiated.
- ECP Area Type 7—An area or parcel of real property that is unevaluated or requires additional evaluation.

2 Site Location and Physical Description

2.1 Site Location

The Lewisburg USAR Center is located in Union County, on the north side of the city of Lewisburg, Pennsylvania, at 480 Hafer Road. Figure 1 in Appendix A shows the site location. The 10-acre tract is situated at the northeast corner of the intersection of Hafer Road and JPM Road, and is surrounded on other property boundaries by agricultural fields.

2.2 Asset Information

Facility Name and Address:	Lewisburg U.S. Army Reserve Center 480 Hafer Road Lewisburg, Pennsylvania
Property Owner:	United States Government
Date of Ownership:	Western 5-acres, 1983; Eastern 5-acres, 1994
Current Occupant:	542nd Quartermaster Company
Zoning:	Commercial Highway/Manufacturing Land Use
County, State:	Union, Pennsylvania
USGS Quadrangle(s):	Lewisburg, Pennsylvania
Section/Township/Range:	not applicable
Latitude/longitude:	40 59′ 23″N; 76 53′17.2″W

Legal Description:

According to the chain of title for Property (Appendix C), the current property legal description is as follows:

Being that parcel or tract of land, known as Military Tract Number 200, all of Lot 5, situated and lying in Kelly Township, City of Lewisburg, Union County, State of Pennsylvania.

Assessor's Parcel No: 006-046-059.5

2.3 Physical Description

The Lewisburg USAR Center is located on a 10-acre tract on the north side of Lewisburg, Pennsylvania. The Property is located on the United States Geological Survey (USGS) 7.5 minute Lewisburg Quadrangle map, at an average elevation of 485 feet National

Geodetic Vertical Datum (NGVD). The topography is generally flat, with a slight decrease in elevation toward the north and east. The northern edge of property slopes steeply to the north towards a heavily wooded area along the northern property boundary.

The USAR Center is located on the western 5-acre parcel of the Property. The eastern 5-acre parcel, which was later purchased for the construction of additional parking, is leased by a local farmer under Outgrant DACA-31-0-02-294 for agricultural and grazing purposes (U.S. Army, 2005). Two drainage ditches run north along the eastern and western property boundary of the eastern parcel.

The western portion of the Property contains two permanent structures and two parking lots. Construction of both the 10,316 square-foot administration building and the 1,400 square-foot organizational maintenance shop (OMS) building was completed in 1987. Both structures are on concrete foundations, and consist of concrete block walls covered with a brick veneer. A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area are also contained within the Property. Chain-link security fencing topped with barbed wire encloses the MEP area and OMS building. A storm water retention area is located in the northeastern portion of the Property. Figure 2, in Appendix A shows the site layout.

Approximately one-third of the western 5-acrea portion of the Property is covered by impervious surface features such as asphalt parking areas, driveways, concrete walkways, and building footprints. The remaining land is grassed with a sparse population of deciduous trees and shrubs near the entrance to the Property.

The administration building is a rectangular-shaped single-level structure. The building's interior primarily consists of office space, classrooms, kitchen area, storage, former rifle range, mechanical room, and assembly area. The kitchen contains a grease trap.

The multi-story OMS building provides unobstructed, open space to perform limited maintenance activities on military equipment. The building contains one service bay and is also used for storage purposes. One vehicle was parked in the OMS and no evidence of recent vehicle maintenance was observed.

One slotted trench floor drain and two other 6-inch diameter floor drains were observed in the area of the service bay in the OMS building. At the time of the site reconnaissance, these drains were observed as filled with concrete (Photograph 12, Appendix B).

At the time of the site reconnaissance, seven Container Express (CONEX) type storage containers were observed in the MEP area. These storage containers contained empty 5-gallon water containers, hoses, tent equipment, and associated hand tools. No chemicals or chemical containers were observed in the storage containers. Three empty steel 55-gallon open top drums were also stored in the MEP area. No evidence of chemical-type odors or staining was observed in or around the drums.

Vehicle Wash Area

A vehicle wash area consists of a concrete pad located on the south side of the OMS building (Figure 2 in Appendix A) (Photograph 8, Appendix B). According to site personnel, the vehicle wash area was rarely used. The vehicle wash area contains one floor drain in the

center of the concrete pad. The floor drain flows to an oil/water separator (OWS) located on the south side of the concrete pad. The OWS is connected to the municipal sewer system. A wet well/lift station for the sewer system is located to the south of the MEP area (U.S. Army, 1985).

Can Wash Area

A can wash area is located on the north side of the administrative building (Photograph 6, Appendix B) (see Figure 2 in Appendix A). The can wash area consists of an approximately 4 foot by 6 foot concrete pad that is sloped towards a rectangular-shaped and grated sediment trap drain in the center of the pad. According to site personnel, the can wash drains flows to the municipal sewer system.

2.4 Site Hydrology and Geology

Lewisburg USAR Center and Lewisburg are located within the Valley and Ridge Physiographic Province. The area is characterized by nearly level plains to gently rolling hills. Surface elevations range from 475 feet to 500 feet mean sea level (msl) in the site vicinity.

Both Lewisburg and the Lewisburg USAR Center are found on the USGS 7.5 minute Lewisburg quadrangle map. As shown on this map, ground surface elevations at the center average 485 feet msl.

2.4.1 Surface Water Characteristics

Figure 3 in Appendix A provides a portion of the 1994 Lewisburg, Pennsylvania USGS topographic map which includes the Property. As shown, the Property is situated at an elevation of approximately 485 feet above msl and is relatively flat. A steep decline to the north is located along the northern boundary. In the immediate vicinity of the Property, the land surface is situated on a plateau like plain that gently slopes towards the West Branch of the Susquehanna River located approximately 2,600 feet east of the Property.

The building roofs and parking areas drain primarily to a storm water retention basin located in the northeastern portion of the western 5-acre parcel (Figure 2, Appendix A and Photograph 16, Appendix B) (U.S. Army, 1985). The storm water retention basin outfall swale flows into an unnamed tributary which discharges to the West Branch of the Susquehanna River. The storm water retention basin was dry at the time of the August 2006 site reconnaissance. Overland flow on the eastern side of the Center is directed to a shallow ditch that is directed to the storm water retention basin.

Two drainage ditches run north along the eastern and western property boundary of the eastern parcel. These ditches drain to the north to an unnamed tributary that enters the West Branch of the Susquehanna River to the east of the Property.

No surface water features are located in the immediate vicinity of the Property. The West Branch of the Susquehanna River, located approximately 0.5-mile east of the Property, is the closest major surface water feature. One intermittent stream that runs into the West Branch of the Susquehanna River is located approximately 250 feet north of the Property.

In a letter dated September 28, 1995, from the Pennsylvania Department of Environmental Protection (PDEP), it was determined that the Lewisburg USAR Center was not required to obtain a storm water permit (PDEP, 1995).

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 3902530001C, the Property is not included in the 100-year floodplain elevation (EDR 2006, Appendix E).

2.4.2 Hydrogeological Characteristics

According to information acquired from the Soil Conservation Service's State Soil Geographic Database (STATSGO) for Union County, soils beneath the Property are mapped as Edom complex, on 3 to 8% slopes. These soils are listed as prime farmland soils by the National Resource Conservation Service (NRCS). Edom soils are deep and well drained and are typically located on upland ridges. These soils are formed in material weathered from inter-bedded calcareous shale and thin bedded limestone. The depth to bedrock is more than 40 inches (USACE, 1994).

The area of the Property is underlain by Catoctin greenstone and metavolcanics. These include outer-shelf or shelf-edge, moderately thick miogeosynclinal or deltaic sedimentary to metasedimentary rocks. These rocks are Devonian and Silurian (345 to 440 million years old) (USACE, 1994). Undisturbed bedrock is visible in the ditch located within the eastern right-of-way along JPM Road.

2.5 Site Utilities

Water Service—The City of Lewisburg provides potable water service to the Property.

Sanitary Sewer System—Kelly Township provides sanitary sewer service to the Property. The primary source of wastewater that is directed to the municipal sewer system includes non-process wastewater (bathrooms, sinks, etc.) and vehicle washing runoff.

Gas and Electric—PP&L provides electric service to the Property. No gas service is currently provided to the Property. The Lewisburg USAR Center presently uses fuel oil as a heating source. A 1,000-gallon doubled-walled steel aboveground storage tank (AST) supplies fuel oil to the administration building and a pair of manifolded 275-gallon ASTs supply fuel oil to the OMS building.

2.6 Water Supply Wells and Septic Systems

Based upon a review of available historical site and agency records and interviews with site personnel, neither a water supply well nor a septic system is or was located at the Property. According to conversations with the Kelly Township Municipal Authority, potable water is supplied by the Pennsylvania American Water Company from a reservoir in White Deer, Pennsylvania.

A search of Federal and State water well databases did not identify any water supply sources within 0.25-mile radius of the property. Sixteen water supply sources were identified within 0.25 to 1 mile radius of the Property with the nearest wells located

approximately 0.33-mile northeast of the Property. These wells are located topographically up-gradient.

3 Site History

3.1 History of Ownership

Land titles for the Property, which are included in the chain of title report in Appendix C, were available back to 1937. According to the chain of title provided by NETR-Real Estate Research & Information, the western 5-acres of the Property (Assessor's Parcel No: 006-046-059.5) was purchased by the United States of America on December 27, 1983 from International Paper Realty Corporation. The report did not identify any environmental liens, institutional controls or engineering controls for the USAR Center Property.

The International Paper Company plant was formerly located along U.S. Route 15 to the northwest of the Property (U.S. Army, 1978).

The original buildings on the Property were constructed in 1987. The eastern 5-acre parcel was later purchased in 1994 (Union County, 2006) for the construction of additional parking. The parking lot was never constructed and the eastern 5-acre parcel has only been used for agricultural purposes (leased by local resident).

According to a City Directory provided by EDR and dated August 4, 2006, the address of the USAR Center was not listed in the research source (Polk's City Directory) for the year 2005. Coverage for the area was incomplete, with the exception of three of the residences located along Hafer Road in 2005, which are listed. A copy of the City Directory is included in Appendix E.

3.2 Past Uses and Operations

In 1983, the U.S. Government purchased the western 5 acres of land for construction of the USAR Center (U.S. Army, 2005; Union County, 2006). Construction of the administration building and OMS building was completed in 1987. Historical information sources suggest that the Property was formerly used for agricultural purposes. The Property has always served as a reserve and mobilization center for the USAR since the U.S. Government developed the western parcel in 1987 that was acquired in 1983.

The eastern 5-acre parcel was later purchased in 1994 for the construction of additional parking (Union County, 2006). The parking lot was never constructed and the eastern 5-acre parcel has only been used for agricultural purposes (leased by local resident). No other uses besides agricultural use have been identified for this eastern 5-acre parcel.

The western 5-acre parcel primarily functioned as an administrative, logistical, and educational facility, with limited maintenance of military vehicles occurring in the OMS building. The Property was historically used by reservists for drill activities on various weekends throughout the year. The 542nd Quartermaster Company is the present unit at the USAR Center. At the time of the site reconnaissance, the administration building

contained various items, including desks, office furniture, folding tables, military clothing, hazardous material responder equipment, and miscellaneous office equipment.

A flammable storage cabinet was located in Room 101 on the west side of the administration building. At the time of the site reconnaissance, the cabinet was observed to contain small quantities (1 gallons or less) of lube oil, latex paint, paint thinner, pesticide spray, power steering fluid, window cleaner, and other miscellaneous cleaners.

As part of the 1987 construction, an indoor firing range was constructed. This three position range with a manual target retrieval system was located on the ground floor of the facility. The indoor firing range was cleaned up in October 2002. This cleanup included the removal of the steel bullet traps, and cleaning the floors, ceilings, and range sidewalls. Clearance dust sampling indicated that lead levels were below the project clearance levels (IT Corporation, 2003). At the time of the site reconnaissance, the firing range at the USAR Center was being used for storage.

The OMS building was used to perform limited maintenance activities on military equipment. Activities inside the OMS building were limited to preventative maintenance checks, including checking vehicle fluids such as lube oil, water, and antifreeze, and light maintenance activities. Any equipment requiring heavier maintenance activities was sent to an Area Maintenance Support Activity (AMSA) shop located at one of the other Reserve Centers in Pennsylvania.

At the time of the site reconnaissance, the service bay area of the OMS building contained a wheeled military vehicle with a drip pan beneath the vehicle, a 50-gallon drum for clean absorbents, two metal trash cans and flammable storage container for clean and used rags, hazardous materials responder storage cabinet with various absorbent materials, and an air compressor. A locked caged office and storage area is primarily used for storage space and contained office equipment, hand tools, hoses, brooms, and fire extinguishers.

A petroleum, oil, and lubricant (POL) storage room (containing two flammable storage cabinets) located at the west side of the OMS building was observed to contain small quantities (5 gallons or less) of lube oil, brake fluid, hydraulic fluid, degreaser, paint thinner, dry cleaning solvent, engine cleaner, antifreeze, and insecticide (personal use).

A flammable storage cabinet was located outside on the west side of the OMS. At the time of the site reconnaissance, the cabinet was observed to contain small quantities (5 gallons or less) of lube oil, brake fluid, bleach, hydraulic fluid, and three empty fuel cans.

According to site personnel, a parts cleaner was formerly used in the OMS building on a limited basis. This parts cleaner was owned and maintained by a local contracted company.

One slotted trench floor drain and two other 6-inch diameter floor drains were observed in the area of the service bay in the OMS building. At the time of the site reconnaissance, these drains were observed as filled with concrete.

Vehicle washing would have historically occurred at the vehicle wash area consisting of a concrete pad located on the south side of the OMS building. According to site personnel, the vehicle wash area was rarely used. The vehicle wash area contains one floor drain in the

center of the concrete pad. The floor drain flows to an OWS located on the south side of the concrete pad. The OWS is connected to the municipal sewer system (U.S. Army, 1985).

Historical aerial photographs and topographic maps were the primary source of information on the past use and operations at the Property. Figures 3 - 11 in Appendix A provide USGS topographical maps and aerial views of the Property and surrounding areas in 1893, 1943, 1951, 1953, 1965, 1973, 1984, 1993, and 1994.

The 1893 and 1943 USGS topographical maps (Figures 4 and 5, Appendix A) depict the Property and properties to the north, south, east, and west as undeveloped. Hafer and JPM Roads are illustrated to the south and west, respectively. The 1943 USGS topographical map also depicts a rail line to the north of the Property.

Similar to the 1893 and 1943 USGS topographical maps, the 1951 aerial photograph (Figure 6, Appendix A) show the Property and surrounding properties to the north, west, and east as undeveloped and used for agricultural purposes. Residential housing is shown to the south and southwest of the Property on the south and west sides Hafer and JPM Roads, respectively. The rail line is also visible to the north and a farm is shown approximately 400 feet north/northwest of the Property.

The 1953, 1965, and 1984 USGS topographical maps and 1973 aerial photograph (Figures 7 - 10, Appendix A) show the Property and surrounding properties relatively unchanged from the 1951 aerial photograph. In the 1984 USGS topographical map, additional residences are depicted along the south side of Hafer Road.

The USAR Center with administration and OMS buildings are shown on 1993 aerial photograph and 1994 USGS topographical map (Figures 11 and 3, respectively, Appendix A). A road providing access to the OMS area and north side of the administration building is also depicted on the 1994 USGS topographical map. The 1993 aerial photograph shows what appear to be military vehicles or CONEX structures in the MEP area. An apartment complex is also shown on the west side of JPM Road.

Aerial photographs provided by NRCS dated 1957, 1972, 1988, 1992, 2004, and 2005 were also reviewed at the NRCS service center in Middleburg, Pennsylvania. Due to the poor quality and clarity of these photographs, no additional information (that was not already obtained from the previously discussed historical topographic maps and aerial photographs) concerning the Property and surrounding area were discernible. Copies of these aerial photographs are not included in the report.

3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Property was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. Chemicals formerly used and stored at the Property were associated with vehicle and facility maintenance activities, and janitorial services. Janitorial chemicals and building

maintenance-related products were stored in the designated storage area within the janitorial closet located in the administration building. Vehicle maintenance products and small amounts of POL products were also stored within designated areas (POL Storage Room) within the OMS building. Other potentially hazardous materials (such as the dry cleaning solvent observed during the August 2006 site visit) and POL products would have been stored in the outdoor hazardous material storage cabinet located west of the OMS building within the fenced area.

Certain types of chemical products used and stored at the Property would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct support level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Property for 1 year or more in excess of corresponding reportable quantities.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Property was compiled through review of available site records, search of Federal and State environmental databases, and interviews with Army Reserve personnel. According to Army Reserve personnel and site records, onsite disposal of hazardous materials or wastes has not occurred at the Property. No stained soil or stressed vegetation was observed during the August 7, 2006 site reconnaissance. Additionally, the MEP area and POV parking area did not show any signs of staining and no noxious or foul odors were noted during the site reconnaissance.

3.4 Past Presence of Bulk Petroleum Storage Tanks

Based upon a review of available site records, a search of Federal and State environmental databases, and interviews with Army Reserve personnel, three underground storage tanks (USTs) were formerly located on the Property.

One 4,000-gallon UST used to store fuel oil was removed from the Property on October 19, 1994. The tank and associated lines failed tightness testing in September 1993. The former 4,000-gallon UST was located near the northeast corner of the administration building (see Photograph 5, Appendix B) and used to heat the administration building. A visual inspection, organic vapor field screening, and confirmatory laboratory analysis of soil samples was performed. None of the soil samples collected from the excavation detected petroleum hydrocarbons above laboratory detection limits (TTI Environmental, 1995). This tank received a no further action (NFA) on June 23, 1995 from the Pennsylvania Department of Environmental Resources (PDER) (PDER, 1995). The former fuel oil UST was replaced with a 1,000-gallon double-walled AST that is still being used by the Center.

No evidence of a fuel oil UST for the OMS building was identified. Fuel oil is provided to OMS building by a pair of manifolded, 275-gallon ASTs.

On October 13, 1998, one 550-gallon UST was removed from the south side of the OMS building. This UST was identified as a used oil UST; however, according to the closure report, this UST was part of an OWS that was rarely used. During the removal, the tank and piping were identified as steel and observed to be in good condition. The pipe located inside

the building was noted to have been plugged by others. Laboratory analysis of soil samples collected from the excavation indicated that all results were below the regulatory action levels (U.S. Army, 1998a). No additional information was available indicating the use of the UST and what the UST was connected to.

The 550-gallon steel UST was later replaced in 1998 with a 600-gallon fiberglass UST that was removed from the Property on March 21, 2002. The 600-gallon UST, which contained a leak detection system, was registered for the storage of used oil; however, the closure report notes that the tank was used as an OWS and collected water from the floor drains. During the removal, the tank and piping were identified as fiberglass and observed to be in good condition. Based on visual inspection and confirmatory laboratory analysis of soil samples collected from the excavation, a release from the tank did not occur (U.S. Army, 2002a). The former 550 and 600-gallon USTs were located between the OMS Building and vehicle wash area (Photograph 9, Appendix B).

Based on the utility plans and site drawings for the facility (U.S. Army, 1985), site observations, location of the former 550/600-gallon USTs and OWS, and the presence of piping that ran inside the building, it is unlikely that either of these USTs were connected to the present OWS system that is connected to the vehicle wash area.

A 2000 OWS survey prepared by Horne Engineering Services indicated that the 600-gallon UST was installed because it was assumed that the previous 550-gallon UST was used to collect oil from the OWS. This was not the case; the UST was used to collect used oil from the OMS building. The UST apparently could also receive discharges from the three floor drains in the maintenance shop (Horne Engineering Services, 2001). The floor drains in the OMS building were observed as plugged and filled with concrete during the August 2006 site inspection.

Based on the utility plans and site drawings prepared by the U.S. Army (1985) indicating the presence of a "550 Gallon Waste Oil Tank" it is possible that the 550-gallon UST was simply used for the storage of used oil. It also could have been modified to also receive discharge water from the OMS building floor drains. Regardless of the actual use of these USTs, based on available information, operation of both the tanks did not result in a release to the environment.

3.5 Review of Previous Environmental Reports

A review of site records produced several reports pertaining to the Property. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 1994 Finding of No Significant Impact and Environmental Assessment

In 1994, USACE prepared a Finding of No Significant Impact and Environmental Assessment report for a proposed parking expansion to be constructed on the eastern 5-acre parcel that was later purchased by the U.S. Government in 1994. The results of the Environmental Assessment indicated that there would be no significant impacts to environmental or cultural resources resulting from the construction of the parking lot (USACE, 1994).

3.5.2 1994 Environmental Compliance Assessment Report

The 416th Engineer Command's Indiantown Gap Facility Engineer Teams performed an environmental compliance assessment Report on January 25, 1994 for the Lewisburg USAR Center. This assessment included an external environmental compliance assessment for the facility. Results of the assessment indicated the presence of no significant environmental issues (U.S. Army, 1994a).

3.5.3 1995 Cultural Resources Report

A Cultural Resources Management Plan was prepared by the KFS Historic Preservation Group in 1995. The purpose of the survey was to identify and evaluate historic architectural resources and archeological site potential for all properties controlled or leased by the 99th Army Reserve Command in the State of Pennsylvania. The Pennsylvania State Historic Preservation Office (SHPO) previously determined the Lewisburg USAR Center contained no archeological potential and did not warrant an archaeological survey (KFS Historic Preservation Group, 1995).

3.5.4 1995 Significant Biological Resources

A report entitled *An Inventory of Significant Biological Resources At U.S. Army Reserve Centers in Central and Eastern Pennsylvania* was prepared for the 99th RRC in 1995 in an effort to inventory and manage natural resources found at 99th RRC facilities in Pennsylvania. The report noted that this USAR Center did not contain any species of concern due to the absence of suitable habitats (PSOTNC, 1995).

3.5.5 1995 UST Removal (4,000-Gallon)

One fuel oil UST was previously located at the USAR Center (Tank 1) and removed by TTI Environmental on October 19, 1994. The fiberglass 4,000-gallon UST was used to store fuel oil used to heat the administrative building. The former 4,000-gallon UST was located near the northeast corner of the administration building (see Photograph 5, Appendix B). A visual inspection, organic vapor field screening, and confirmatory laboratory analysis of soil samples was performed. None of the soil samples collected from the excavation detected petroleum hydrocarbons above laboratory detection limits (TTI Environmental, 1995).

3.5.6 1998 UST Removal (550-Gallon)

On October 13, 1998, one 550-gallon UST was removed from the south side of the OMS building. This UST was identified as a used oil UST; however, according to the closure report, this UST was part of an OWS that was rarely used. During the removal, the tank and piping were identified as steel and observed to be in good condition. The pipe located inside the building was noted to have been plugged by others. Visual inspection and confirmatory laboratory analysis of soil samples collected from the excavation indicated that a release from the tank did not occur (U.S. Army, 1998a).

3.5.7 1998 Total Facility Assessment Report

The 416th Engineer Command's Indiantown Gap Facility Engineer Teams performed a Total Facility Assessment Report in February 1998 for the Lewisburg USAR Center. This

assessment included an external environmental compliance assessment for the facility. The assessment identified 13 findings that were largely related to improper storage and documentation of hazardous materials (U.S. Army, 1998b).

3.5.8 2001 Oil Water Separator (OWS) Survey Report

Horne Engineering Services prepared an OWS survey report for numerous USAR sites within the state of Pennsylvania, including the Lewisburg USAR Center. As part of the reporting process, Horne Engineering Services was responsible for documenting and locating each OWS located at USAR facilities throughout Pennsylvania. The report states that an OWS is located on the Property on the south side of the OMS building.

The OWS is a Standard API gravity separator that has a wastewater capacity of 3,300 gallons. At the time of the survey, approximately 1,500 gallons of wastewater was present in the OWS and no oil sheen was visible. The OWS discharges to the sanitary sewer via an on-site wet well/lift station. It was recommended that the OWS be closed if the vehicle wash area was closed.

The survey also indicated that the 600-gallon UST was installed because it was assumed that the previous 550-gallon UST was used to collect oil from the OWS. This was not the case; the UST was used to collect used oil from the OMS building. The UST apparently could also receive discharges from the three floor drains in the maintenance shop (Horne Engineering Services, 2001).

3.5.9 2002 UST Removal (600-Gallon)

On March 21, 2002, one 600-gallon UST was removed from the south side of the OMS building. The tank was registered for the storage of used oil; however, the closure report notes that the tank was used as an OWS and collected water from the floor drains. During the removal, the tank and piping were identified as fiberglass and observed to be in good condition. Visual inspection and confirmatory laboratory analysis of soil samples collected from the excavation indicated that a release from the tank did not occur (U.S. Army, 2002a).

3.5.10 2002 Engineering and Environmental Facility Assessment Report

The Oakdale Facility Engineer Team performed a facility assessment on April 30, 2002 for the Lewisburg USAR Center. This assessment included an external environmental compliance assessment for the facility. The assessment identified three findings that were related to improper storage and documentation of hazardous materials (U.S. Army, 2002b).

3.5.11 2003 Indoor Firing Range Cleanup

IT Corporation was retained by the 99th RRC to perform a cleanup of the indoor firing range that was constructed on the Property during the 1987 construction. This indoor firing range was cleaned up in October 2002. The cleanup consisted of removal of the steel bullet traps, and cleaning the floors, ceilings, and range sidewalls. Cleaning was performed by first vacuuming all surfaces using a HEPA vacuum. The walls were washed with a commercial detergent and lead encapsulating paint (lead-free) was applied. Floor cleaning activities consisted of the application of a variety of chemical cleaning solutions followed by rinsing with hot water. All vacuumed materials and decontamination water was containerized for

proper disposal. A visual inspection was then performed followed by collection of clearance dust samples. The clearance dust sampling consisted of collecting single-surface dust wipe samples for lead analysis. All wipe sample results indicate that lead levels are below the 200 micrograms per square foot (µg/sf) clearance standard established for the project. It was noted that although the range has been cleaned to below the project clearance levels, small amounts of lead dust may be present in the range. A range cleaning clearance certification was issued by IT Corporation (IT Corporation, 2003).

4 Adjacent Properties

Adjacent property land uses are significant to the ECP process, as these current or past uses may have an environmental impact on the USAR Center. Adjacent properties were included in the EDR report review for this reason. Typically adjacent properties within ¼ mile of the USAR Center property boundaries are reviewed and visually surveyed. For the purposes of this ECP, the adjacent property reconnaissance was performed from the USAR Center property boundaries and from public access points. Historical aerial photographs and topographic maps are also reviewed for conditions or activities that may have had an environmental impact on the Property.

4.1 Land Uses

Land use south of the USAR Center is city right- of- way for Hafer Road, a two-lane undivided and paved city road. Six single-family residences are directly south of the USAR Center on the south side of the road.

Land use west of the USAR Center is city right- of- way for JPM Road, a two-lane undivided and paved city road. A multi-family residential development is located directly west of the USAR Center on the west side of the road.

An abandoned rail line is present to the north and agricultural fields to the east.

Table 1 summarizes the current adjacent properties and zoning.

TABLE 1
List of Properties Adjacent to Lewisburg USAR Center, Lewisburg, Pennsylvania

Name/Type of Property	Address	Distance and Direction from Property	Zoning	Remarks
Six Single-Family Residences	Hafer Road Lewisburg, PA 17837	Approximately 50 feet south (across Hafer Road)	Residential-Urban	
Kelley Court Apartments	JPM Road Lewisburg, PA 17837	Approximately 50 feet west (across JPM Road)	Residential-Suburban	
Abandoned Rail Line	Lewisburg, PA 17837	Adjacent to north	Commercial Highway/Manufacturing	Formerly owned by Reading Railroad and Federal Penitentiary (USACE, 1994)
Agricultural	Lewisburg, PA 17837	Adjacent to east	Commercial Highway/Manufacturing	Divided from Property by ditch

4.2 Findings

The EDR database search results were reviewed for any evidence that adjacent properties may have past or present environmental issues that would impact the USAR Center. None of the adjacent properties were listed in the results.

A search of Federal and State water well databases did not identify any water supply sources within a 0.25-mile radius of the property. Sixteen water supply sources were identified within a ¼ to 1 mile radius of the Property with the nearest wells located approximately 0.33-mile northeast of the Property. These wells are located topographically up-gradient.

Land use at adjacent properties does not appear to have changed significantly over the years, based on a review of available aerial photographs. The Property was open fields used for agricultural purposes in 1893. Development in the area began prior to 1943 based on the 1943 aerial photograph. Original development consisted primarily of residential land use. The 1951, 1953, 1965, 1973, and 1984 and 1994 topographic maps and aerial photographs indicated little change in the adjacent property land use. The 1993 aerial photograph shows the presence of a multi-family apartment complex on the west side of JPM Road.

5 Review of Regulatory Information

An essential component of an ECP is the review of records and databases containing information on the Property and adjacent properties. The review includes reasonably obtainable federal, state, and local government records, and is intended to identify a release or likely release of any hazardous substance or any petroleum product, which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product to the Property.

The majority of the regulatory information for this ECP was obtained from EDR on August 7, 2006. EDR provides a regulatory database summary that consolidates standard federal, state, local, and tribal environmental record sources based on ASTM recommended minimum search distances from the Property.

All findings reported in Sections 5.1, 5.2, and 5.3 below are from the EDR report unless otherwise noted. A copy of the complete EDR report is included in Appendix E.

5.1 Federal Environmental Records

5.1.1 Federal National Priorities List (NPL) Sites within 1 Mile

United States Environmental Protection Agency (USEPA) maintains a record of the nations' worst uncontrolled or abandoned hazardous waste sites, known as the NPL. Sites on the NPL undergo long-term remedial action under CERCLA. The Lewisburg USAR Center is not an NPL site, nor are there any such sites located within 1 mile of the Property.

5.1.2 Federal Comprehensive Environmental Response, Compensation and Liability Act Information Systems (CERCLIS) Sites within 0.5 Mile

The CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by state, municipalities, private companies and private persons, pursuant to Section 103 of the Act. CERCLIS contains sites that are either proposed to be or are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL.

The Lewisburg USAR Center is not a CERCLIS site and there are no CERCLIS sites located within 0.5 mile of the center.

5.1.3 RCRA Corrective Action (CORRACTS) Sites within 1 Mile

RCRA CORRACTS sites represent facilities that have generated or managed hazardous wastes and require corrective action. The Lewisburg USAR Center is not a CORRACTS site, nor are there any such sites identified within 1 mile of the USAR Center.

5.1.4 RCRA Treatment, Storage, and/or Disposal Sites within 0.5 Mile

RCRA defines and regulates sites that generate, transport, treat, store, and/or dispose (TSD) of hazardous wastes. The RCRA Information System (RCRIS) includes selective information on these sites.

The USAR Center is not a RCRIS-TSD site and there are no such sites located with 0.5-mile of the USAR Center.

5.1.5 Federal RCRA Small and Large Quantity Generators List within 0.25 Mile

Conditionally exempt small quantity generators are defined as facilities generating less than 100 kg of hazardous waste and less than 1 kg of acutely hazardous waste per month. RCRA small quantity generators are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste and less than 1 kg of acute hazardous waste per month. A facility generating more than 1,000 kg of hazardous waste or over 1 kg of acutely hazardous waste per month is defined as a large quantity generator.

The Lewisburg USAR Center is listed as a RCRA-registered conditionally exempt small quantity generator. No RCRA violations are associated with the USAR Center.

No other large or small quantity generators are located within 0.25-mile of the Center.

5.1.6 Federal Emergency Response Notification System (ERNS) List

The Emergency Response Notification System (ERNS) List maintains information on reported releases of oil and hazardous substances. The Lewisburg USAR Center is not on this notification list.

5.2 State and Local Environmental Records

Most of the information presented in this subsection was obtained from the EDR report. Additional information was also obtained from online database searches of the Pennsylvania Department of Environmental Protection's (PDEP's) website. Occasionally state and local agency personnel were interviewed via telephone to answer questions about any database issues.

5.2.1 State Lists of Hazardous Waste Sites within 1 Mile

The USAR Center is not on the state list of hazardous waste sites.

No adjacent properties within 1 mile of the Center were listed as having a hazardous waste site.

5.2.2 State-Registered Landfills or Solid Waste Disposal Sites within 0.5 Mile

The USAR Center does not have a solid waste landfill, incinerator, or transfer station within the Property boundaries.

No adjacent properties within ½-mile of the Center have a solid waste landfill, incinerator, or transfer station.

5.2.3 State-Registered LUST Sites within 0.5 Mile

The USAR Center is not listed in the State LUST database and no sites were listed within 0.5-mile of the Center.

5.2.4 State-Registered UST Sites within 0.5 Mile

Review of the EDR report and the state of PDEP's UST database, the Lewisburg USAR Center is listed on the State Archive UST database. According to the database, the Lewisburg USAR Center maintains a used oil (all forms) UST that is listed as "currently in use". No additional information concerning the UST is present in the database.

Based upon information gathered during this investigation, three USTs were formerly located on the Property. All of the USTs have been removed from the Property and all sampling results have been below regulatory action levels, requiring remediation. Additional information concerning former USTs is present in Section 3.4 and Section 6.1.

5.2.5 State Spills Incidents

The Lewisburg USAR Center is not listed on the PDEP state petroleum spill list.

5.2.6 Records of Contaminated Public Wells within 0.5 Mile

A search of Federal and State water well databases did not identify any water supply sources within a 0.25-mile radius of the property. Sixteen water supply sources were identified within a 0.25 to 1 mile radius of the Property with the nearest wells located approximately 0.33-mile northeast of the Property. These wells are located topographically up-gradient.

5.2.7 Voluntary Remediation Program Sites within 0.5 Mile

The USAR Center is not listed in Pennsylvania's Brownfield's Program (the successor to the Voluntary Cleanup Program). No sites located within 0.5-mile of the Center are listed as being in the Brownfield's Program either.

5.2.8 State Registered Bulk Fertilizer and Pesticide Storage Facilities within 0.25 Mile

According to the EDR database and a search of the PDEP's website, Pennsylvania does not maintain a state database with registered bulk fertilizer and pesticide storage facilities.

5.3 Unmapped Sites

Some sites within the databases EDR searches have the same zip code as the USAR Center, but no street address. These sites, known as unmapped or orphan sites, can not be mapped from the EDR results alone. Additional efforts described herein were made to locate these sites and assess their environmental importance to the USAR Center.

Using the mapping utility provided at maps.google.com, the locations of the orphan sites were identified and mapped. However, none of the sites were located within corresponding ASTM search radius distance of the Property.

5.4 Summary of Properties Evaluated to Determine Risk to the Property

To summarize Subsections 5.1 through 5.3, no properties near or adjacent to the USAR Center were evaluated as potential risk properties to the Property since no adjacent properties were identified that could have potential environmental impacts as a result of information obtained during area reconnaissance, interviews, and regulatory database searches.

6 Site Investigation and Review of Hazards

Findings documented in the following subsections are based on the August 7, 2006 site reconnaissance, a review of available site records, and information obtained from U.S. Army Reserve personnel.

6.1 USTs/ASTs

The Lewisburg USAR Center presently uses fuel oil as a heating source. A 1,000-gallon doubled-walled steel AST supplies fuel oil to the administration building and a pair of manifolded, 275-gallon ASTs, supply fuel oil to the OMS building. The 1,000-gallon AST is located outside of the northeast corner of the administration building (Photograph 4, Appendix B). This tank is situated on the earthen ground and is not provided with secondary containment. The manifolded 275-gallon ASTs are located on the west side of the OMS building (Photograph 10, Appendix B). These tanks are situated on a concrete pad and are not provided with secondary containment. No evidence of leakage was observed in the vicinity of either of these AST areas during the August 2006 site reconnaissance.

Based upon a review of available site records, a search of Federal and State environmental databases, and interviews with Army Reserve personnel, three USTs were formerly located on the Property.

One 4,000-gallon UST used to store fuel oil UST to heat the administration building was removed from the Property on October 19, 1994. The tank and associated lines failed tightness testing in September 1993. A visual inspection, organic vapor field screening, and confirmatory laboratory analysis of soil samples was performed. None of the soil samples collected from the excavation detected petroleum hydrocarbons above laboratory detection limits (TTI Environmental, 1995). This tank received a no further action on June 23, 1995 from the Pennsylvania Department of Environmental Resources (PDER, 1995). The former fuel oil UST was replaced with the 1,000-gallon double-walled AST.

On October 13, 1998, one 550-gallon UST was removed from the south side of the OMS building. This UST was identified as a used oil UST; however, according to the closure report, this UST was part of an OWS that was rarely used. During the removal, the tank and piping were identified as steel and observed to be in good condition. The pipe located inside the building was noted to have been plugged by others. Based on visual inspection and confirmatory laboratory analysis of soil samples collected from the excavation, a release from the tank did not occur (U.S. Army, 1998).

This 550-gallon steel UST was later replaced in 1998 with a 600-gallon fiberglass UST that was removed from the Property on March 21, 2002. The 600-gallon UST, which contained a leak detection system, was registered for the storage of used oil; however, the closure report notes that the tank was used as an OWS and collected water from the floor drains. During the removal, the tank and piping were identified as fiberglass and observed to be in good

condition. Based on visual inspection and confirmatory laboratory analysis of soil samples collected from the excavation, a release from the tank did not occur (U.S. Army, 2002a).

A 2000 OWS survey prepared by Horne Engineering Services indicated that the 600-gallon UST was installed because it was assumed that the previous 550-gallon UST was used to collect oil from the OWS. This was not the case; the UST was used to collect used oil from the OMS building. The UST apparently could also receive discharges from the three floor drains in the maintenance shop (Horne Engineering Services, 2001). The floor drains in the OMS building were observed as plugged and filled with concrete during the August 2006 site inspection.

Based on the utility plans and site drawings prepared by the U.S. Army (1985) indicating the presence of a "550 Gallon Waste Oil Tank" it is possible that the 550-gallon UST was simply used for the storage of used oil. It also could have been modified to also receive discharge water from the OMS building floor drains. Regardless of the actual use of these USTs, based on available information, neither tank caused a release to the environment.

6.2 Inventory of Chemicals/Hazardous Substances

Records pertaining to hazardous substances including hazardous materials, chemical bulk storage, petroleum products, hazardous waste, and petroleum waste were reviewed in addition to interviews and the site reconnaissance to develop the inventory for this Property. Available records indicate that hazardous materials and/or POLs have been stored at this facility. Vehicle maintenance products and quantities up to 5-gallons of POL products were stored within designated areas within the OMS shop building in support of limited maintenance activities on military equipment.

At the time of the site reconnaissance, a POL storage room (containing two flammable storage cabinets) in the OMS building contained small quantities (5 gallons or less) of lube oil, brake fluid, hydraulic fluid, degreaser, paint thinner, dry cleaning solvent, engine cleaner, antifreeze, and insecticide (personal use). A flammable storage cabinet located outside on the west side of the OMS contained small quantities (5 gallons or less) of lube oil, brake fluid, bleach, hydraulic fluid, and three empty fuel cans. A flammable storage cabinet was located in the administration building and contained small quantities (1 gallons or less) of lube oil, latex paint, paint thinner, pesticide spray, power steering fluid, window cleaner, and other miscellaneous cleaners.

Current tenants use a licensed commercial company for application of lawn herbicides on the Property. In addition, other than the assumed routine household use of pesticides and herbicides, no evidence of pesticide/herbicide use (empty containers, dead or stressed vegetation) was observed during the site reconnaissance.

6.3 Waste Disposal Sites

Available records and interviews did not indicate the practice of onsite waste disposal other than through managed storage and offsite disposal, or through the sewer system (refer to Section 2.5 and Section 3.3.2). No waste disposal sites were observed during the site

reconnaissance, nor were any signs of past onsite waste disposal (such as stressed vegetation or suspicious depressions in the landscape) observed.

6.4 Pits, Sumps, Drywells, and Catch Basins

An OWS is located on the Property on the south side of the OMS building. The OWS receives wash water from the adjacent vehicle wash area that contains one floor drain in the center of the concrete pad. The OWS discharges to the sanitary sewer via an on-site wet well/lift station. An OWS survey report prepared in 2001 by Horne Engineering Services recommended that the OWS be closed if the vehicle wash area was closed (Horne Engineering Services, 2001). Observations during the August 2006 site reconnaissance did not indicate that either the vehicle wash area or OWS were closed. According to site personnel, the vehicle wash area is rarely used.

6.5 Asbestos-containing Material (ACM)

No asbestos containing material (ACM) surveys have been conducted for the Property. For the purpose of this ECP, buildings constructed prior to 1989 are considered to have a potential to have ACMs present, since the use of asbestos-containing building materials was generally discontinued after this year. All buildings on the Property were constructed before 1989 and, therefore, have the potential to have ACM present.

6.6 Polychlorinated Biphenyls (PCB)-containing Equipment

One pad-mounted transformer is located approximately 40 feet north of the exterior north wall of the administration building (see Photograph 13 in Appendix B). The unit is owned by Pennsylvania Power & Light (PP&L). No labels indicating the presence or absence of Polychlorinated Biphenyls (PCBs) were present on the transformer. During the August 2006 site reconnaissance, the unit appeared to be in good condition and no evidence of leakage was observed.

Based on a January 27, 1994 letter from PP&L, the pad-mounted transformer has an in-service date of November 1987. The oil content of this transformer is non-PCB (PP&L, 1994).

Based on review of a Hazardous Waste Management Consultation provided by the 79th Army Reserve Command dated April 2-5, 1995, the pad-mounted transformer located on the site is utility owned. The memorandum also notes that there may be a second transformer on the property that is owned by the Center (U.S. Army, 1995). Based on the site reconnaissance and conversations with site personnel, there is no evidence of a second transformer on the Property.

6.7 Lead-based Paint (LBP)

At the time of this report, a lead based paint (LBP) survey has not been performed for the Property. All buildings on the Property were constructed after 1981 and unlikely to have

been treated with LBP. At the time of the site reconnaissance, the painted surfaces at this facility were in good condition.

6.8 Radon

Based on site-specific radon sampling results, a radon reduction mitigation system was installed in the administrative building by Penn-Rad in 1992 (Photograph 3, Appendix B). Post-mitigation testing performed at Lewisburg USAR Center indicated that the radon levels were below 4 picoCuries per liter of air (pCi/L) (U.S. Army, 1994b).

6.9 Munitions and Explosives of Concern (MEC)

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there are no indications that MEC is or was present at the Property.

The indoor firing range was cleaned up in October 2002. The cleanup consisted of removal of the steel bullet traps, and cleaning the floors, ceilings, and range sidewalls. Cleaning was performed by first vacuuming all surfaces using a HEPA vacuum. The walls were washed with a commercial detergent and lead encapsulating paint (lead-free) was applied. Floor cleaning activities consisted of the application of a variety of chemical cleaning solutions followed by rinsing with hot water. All vacuumed materials and decontamination water was containerized for proper disposal. A visual inspection was then performed followed by the collection of clearance dust samples. The clearance dust sampling consisted of collecting single-surface dust wipe samples for lead analysis. All wipe sample results indicate that lead levels are below the 200 µg/sf clearance standard established for the project. It was noted that although the range has been cleaned to below the project clearance levels, small amounts of lead dust may be present in the range. A range cleaning clearance certification was issued by IT Corporation (IT Corporation, 2003).

At the time of the site reconnaissance, the firing range at the USAR Center was being used for storage.

6.10 Radioactive Materials

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there is no indication that radioactive materials were stored or used at the USAR Center.

7 Review of Special Resources

7.1 Land Use

The City of Lewisburg's Planning and Zoning Department has designated this Property and surrounding properties for Commercial/Manufacturing land use. The site is located in a mixed-used area that combines commercial and residential land uses.

7.2 Coastal Zone Management

The Pennsylvania Department of Environmental Conservation, Division of Water is the lead agency for the Pennsylvania Coastal Management Program. This Property is not included in the coastal zone management plan, nor is it in a coastal zone.

7.3 Wetlands

In 1994, USACE prepared a Finding of No Significant Impact and Environmental Assessment report for a proposed parking expansion to be constructed on the eastern 5-acre parcel. The results of the Environmental Assessment indicated that there are no wetlands on the Property or adjacent properties (USACE, 1994).

According to the 1988 United States Fish and Wildlife Service (USFWS) National Wetlands maps, the Pennsylvania State Wetlands, and visual observations, no wetlands were observed on the Property, or on adjacent properties. The nearest wetland is located approximately ½-mile east of the Property (EDR 2006, Appendix E).

According to information acquired from the STATSGO for Union County, specific types of soil at the Property are from the Edom complex. The Edom soils are deep and well drained and are typically located on upland ridges. The soils beneath the Property do not meet the requirements of a hydric soil (i.e., wetland indicator soils).

7.4 100-year Flood Plain

A review of the FEMA digital Flood Hazard Area map indicates that the Property lies outside the 100-year floodplain (EDR 2006, Appendix E).

7.5 Natural Resources

A report entitled *An Inventory of Significant Biological Resources at U.S. Army Reserve Centers in Central and Eastern Pennsylvania* was prepared for the 99th RRC (Pennsylvania Science Office, 1995) in an effort to inventory and manage natural resources found at 99th RRC facilities in Pennsylvania. The report noted that this USAR Center did not contain any species of concern due to the absence of suitable habitats.

In 1994, USACE prepared a Finding of No Significant Impact and Environmental Assessment report for a proposed parking expansion to be constructed on the eastern 5-acre parcel. The results of the Environmental Assessment indicated that with the exception of occasional transient species, no State or Federally listed threatened or endangered species, or critical habitat area, are located on or near the Property (USACE, 1994).

7.6 Cultural Resources

A Cultural Resources Management Plan was prepared by the KFS Historic Preservation Group in 1995. The purpose of the survey was to identify and evaluate historic architectural resources and archeological site potential for all properties controlled or leased by the 99th Army Reserve Command in the State of Pennsylvania. The Pennsylvania SHPO previously determined the Lewisburg USAR Center contained no archeological potential and did not warrant an archaeological survey (KFS Historic Preservation Group, 1995).

In 1994, USACE prepared a Finding of No Significant Impact and Environmental Assessment report for a proposed parking expansion to be constructed on the eastern 5-acre parcel. The results of the Environmental Assessment indicated that the eastern 5-acre parcel and adjacent properties contain no resources which are eligible for or listed on the National Register of Historic Places (NRHP) (USACE, 1994).

7.7 Other Special Resources

The National Park Service has determined that there are no Wild and Scenic Rivers (WSRs) at or near the Property (USACE, 1994).

Two designated WSRs, Allegheny River and Clarion River, occur within the western part of Pennsylvania. These rivers are located greater than 100 miles west of the Lewisburg area. Based on the location of the WSRs and historical activities conducted at the USAR Center, no activities conducted at the site would adversely impact any of the designated WSRs.

8 Conclusions

The following information was obtained after conducting an environmental record search including records for adjacent properties, reviewing available historical information, conducting interviews with knowledgeable parties connected with the Property or with state and local agencies, and conducting a reconnaissance of the Property and adjacent properties.

8.1 Review of Findings

Hazardous Substances. Hazardous substances pursuant to CERCLA 101(14) (42 USC 9601 (14)) were used and stored at the Property in amounts necessary to support unit-level vehicle and building maintenance activities. Available information indicates, however, that the quantities stored would not have resulted in a significant release to the environment. There is no evidence (no available reports or persons interviewed) that the hazardous substances used or stored were released or disposed of at the Property.

USTs/ASTs. The Lewisburg USAR Center presently uses a 1,000-gallon doubled-walled steel AST to supply fuel oil to the administration building and a pair of manifolded 275-gallon ASTs to supply fuel oil to the OMS building. No evidence of leakage was observed in the vicinity of either of these AST areas during the August 2006 site reconnaissance.

Based upon a review of available site records, a search of Federal and State environmental databases, and interviews with Army Reserve personnel, three USTs were formerly located on the Property. One 4,000-gallon UST previously used to store fuel oil to heat the administration building was removed from the Property on October 19, 1994. Based on the closure report, none of the soil samples collected from the excavation detected petroleum hydrocarbons above laboratory detection limits (TTI Environmental, 1995). This tank received a no further action on June 23, 1995 from the PDER (PDER, 1995).

One 550-gallon UST was removed from the south side of the OMS building on October 13, 1998. This tank was replaced with a 600-gallon fiberglass UST that was removed from the Property on March 21, 2002. Based on the sometimes conflicting available information, it is likely these tanks were used for one of two purposes (or possibly both): 1) for the storage of used oil generated from vehicle maintenance activities in the OMS building, and/or 2) storage of discharge water from the drains inside the OMS building. Based on visual inspection and confirmatory laboratory analysis of soil samples collected during the removal of both of these USTs, a release from the tanks did not occur (U.S. Army, 1998; U.S. Army, 2002a; Horne Engineering Services, 2001).

No USTs are presently located on the Property.

Non-UST/AST Petroleum Storage. Petroleum storage other than in ASTs and designated storage areas was not observed on the Property. POL products stored on the property include motor oil, lube oils, grease, and gasoline. All products were stored in individual containers, less than 5-gallons each.

PCBs. One pad-mounted transformer is located approximately 40 feet north of the exterior north wall of the administration building. The unit, owned by PP&L, has an in-service date of November 1987 and the oil content of this transformer is non-PCB (PP&L, 1994). During the August 2006 site reconnaissance, the unit appeared to be in good condition and no evidence of leakage was observed.

A 1995 Hazardous Waste Management Consultation provided by the 79th Army Reserve Command indicates that there may be a second transformer on the property that is owned by the Center (U.S. Army, 1995). Based on the site reconnaissance and conversations with site personnel, there is no evidence of a second transformer on the Property.

ACM. No ACM surveys have been conducted for the Property. For the purpose of this ECP, buildings constructed prior to 1989 are considered to have a potential to have ACMs present, since the use of asbestos-containing building materials was generally discontinued after this year. All buildings on the Property were constructed before 1989 and, therefore, have the potential to have ACM present.

LBP. Although no LBP surveys have been performed for the Property, all buildings were constructed after 1981 and, therefore, have a low potential to have LBP present.

Radiological Materials. Based on available records review, interviews and a site reconnaissance, there is no evidence of any radiological materials storage or releases at the Property.

Radon. Based on site-specific radon sampling results, a radon reduction mitigation system was installed in the administrative building in 1992. Post-mitigation testing performed in 1995 indicated that the radon levels were below 4 pCi/L (U.S. Army, 1994b).

Munitions and Explosives. Available records do not indicate any MEC are currently or were formerly located at this Property. No evidence of MEC was observed during the site reconnaissance.

An indoor firing range was constructed on the Property during the 1987 construction. This indoor firing range was cleaned up in October 2002 to below the project clearance levels (IT Corporation, 2003).

Surrounding Properties. Potential environmental sites of concern, located within the ASTM D6008 recommended minimum search distances (included in Section 5) from the Property, were evaluated through database review and site reconnaissance. None of the adjacent properties evaluated exhibited environmental conditions that had or have the potential to adversely affect environmental conditions at the Property.

Wetlands and Flood Plain. According to the 1988 USFWS National Wetlands maps, the Pennsylvania State Wetlands, and visual observations, no wetlands were observed or appear to be associated with any of the facilities at this site, or with any adjacent properties.

The Property is not located within a 100-year flood plain or within a coastal zone.

Threatened and Endangered Species. A survey in 1995 and an environmental assessment performed in 1993 noted that this USAR Center did not contain any species of concern due to the absence of suitable habitats.

Archaeological and Historical Resources. A Cultural Resources Management Plan was prepared for the 79th Army Reserve Command by 99th RRC in 1995. The Pennsylvania SHPO previously determined the Lewisburg USAR Center contained no archeological potential and did not warrant an archaeological survey (KFS Historic Preservation Group, 1995).

8.2 Environmental Condition of Property

Findings of this ECP report were based on readily available environmental information, interviews with site and state and local personnel, review of previous environmental studies and federal and state database and file information related to the storage, release, treatment or disposal of hazardous substances or petroleum products. Results were also based on visual observations of the Property and adjacent properties.

In accordance with the Deputy Under Secretary of Defense Memorandum, *Clarification of "Uncontaminated" Environmental Condition of Property at Base Realignment and Closure (BRAC) Installations*, dated October 21, 1996, the Property has been classified into one of seven property types. Based on the results of this ECP study, the property has been assigned an overall DoD Environmental Condition Type 1.

9 References

Persons Contacted

- Mr. Jason Clutter, U.S. Army Reserve, GS Environmental Protection Specialist, (570) 417-9556, August 7, 2006.
- Mr. Ron Curley, Lewisburg USAR Center, Facility Manager, (570) 524-0907, August 7, 2006
- Mr. Ed Wolf, U.S. Army Reserve, Facility Operations Specialist, (814) 386-5864

Resources Consulted

- Aerial Photographs provided by National Resource Conservation Service (NRCS) dated 1957, 1972, 1988, 1992, 2004, and 2005.
- Aerial Photographs provided by Banks Information Solutions, Inc. dated 1951, 1973, and 1993.
- National Wild and Scenic Rivers, http://www.nps.gov/rivers/wildriverslist.html#pa
- USEPA Map of Radon Zones, http://www.epa.gov/radon/zonemap.html
- Pennsylvania Coastal Zone Management, http://www.dep.state.pa.us/river/czmp.htm
- U.S. Fish and Wildlife mapping tool, http://wetlandsfws.er.usgs.gov/wtlnds/launch.html
- FEMA Flood Hazard Insurance Map, http://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView
- Federal Regulatory Databases (See EDR Report for a complete list)
  - National Priorities List (NPL), April 19, 2006
  - Proposed NPL Sites, April 19, 2006
  - Delisted NPL Sites, April 19, 200
  - NPL Recovery Sites, October 15, 1991
  - CERCLIS, February 1, 2006
  - CERCLIS-NFRAP, February 1, 2006
  - CORRACTS, March 15, 2006
  - RCRA, March 9, 2006
  - ERNS, December 31, 2005
  - HMIRS, December 31, 2005
  - U.S. Engineering Controls Sites List, March 21, 2006
  - U.S. Institutional Controls, March 21, 2006
  - DoD, December 31, 2004
  - FUDS, December 5, 2005

  - U.S. Brownsfields, April 26, 2006
  - CONSENT (Superfund Consent Decrees), December 14, 2004
  - Records of Decision (ROD), April 13, 2006
  - Uranium Mill tailings Sites, November 4, 2005
  - Open Dump Inventory, June 30, 1985
  - Toxic Chemical Release Inventory System (TRIS), December 31, 2003
  - Toxic Substances Control Act (TSCA), December 31, 2002
  - Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/ TSCA, March 29, 2006
  - FIFRA/TSCA Tracking System, March 31, 2006
  - Section 7 Tracking Systems, December 31, 2004
  - Integrated Compliance Information system, February 13, 2006
  - PCB Activity Database System, December 27, 2005
  - Material Licensing Tracking system, April 12, 2006
  - Mines Master Index File, February 9, 2006
  - Facility Index System/Facility Registry system (FINDS), April 27, 2006
  - RCRA Administrative Action Tracking System, April 17, 1995
  - Biennial Reporting System, December 31, 2003

- State and Local Regulatory Databases (See EDR Report for complete list)

  - Hazardous Sites Cleanup Act Site List, February 1, 2006
  - HSCA Remedial Sites Listing, May 5, 2004
  - Solid Waste Facilities/ Landfills, March 15, 2006
  - Abandoned Landfills, January 4, 2005
  - Historical Landfills Inactive, December 20, 1994
  - Historical Landfills Inventory, June 2, 1999
  - LUST, March 9, 2006
  - Unregulated Leaking Tanks, June 2, 2002
  - UST, June 1, 2006
  - Archived UST, June 1, 2006
  - Leaking AST, March 9, 2006
  - AST, June 1, 2006
  - Archived AST, June 1, 2006
  - Manifest, June 12, 2006
  - Act 2-Deed, June 20, 2006
  - Engineering Controls, March 8, 2006
  - Institutional Controls, March 8, 2006
  - VCP, June 20, 2006
  - Drycleaners, May 1, 2006
  - Pennsylvania Brownfields, June 20, 2006
  - Permit and Emissions Inventory Database, December 31, 2004

Agencies Contacted

- City of Lewisburg, Pennsylvania
- Pennsylvania Department of Environmental Protection

- Union County Municipal Authority, Lewisburg, Pennsylvania
- Pennsylvania American Water Company, Hershey, Pennsylvania

Works Cited

Horne Engineering Services, 2001. Oil/Water Separator Survey Report for 99th RSC Customer Support Team #1. January 24.

IT Corporation, 2003. Range Cleanup-PA058, 99th RSC Lewisburg U.S. Army Reserve center, Lewisburg, Pennsylvania. August.

KFS Historic Preservation Group, 1995. Cultural Resource Management Plan, 79th Army Reserve Command. July.

PDEP (Pennsylvania Department of Environmental Protection), 1995. Exemption of Lewisburg USARC from Requirements to Develop a Preparedness, Prevention, and Contingency (PPC) Plan to Control Stormwater Discharges Associated with Industrial Activities. September 28.

PDER (Pennsylvania Department of Environmental Resources), 1995. Storage Tanks, Adequate Closure Report, U.S. Army Reserve Center – Facility #60-70406, Lewisburg, Union County. June 23.

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Union County, 2006. Union County GIS Data, downloaded September 1, 2006. Available at: http://www.unionco.org/unionviewer/.

U.S. Army, 1978. United States Army Reserve Center, Lewisburg, Pennsylvania, Engineering Feasibility Study. November.

U.S. Army, 1985. Utility Plan and Site Details: 60 Man USAR Center with organization Maintenance Shop, Lewisburg, Pennsylvania. Drawing # F-171-40-03. June 7.

U.S. Army, 1994a. Environmental Compliance Assessment performed by the 416th Engineer Command's Indiantown Gap Facility Engineer Teams for the Lewisburg USARC. January 25.

U.S. Army, 1994b. Memorandum: Radon Testing Results. February 28.

U.S. Army, 1995. Hazardous Waste Management Consultation provided by the 79th Army Reserve Command. April 2-6.

U.S. Army, 1998a. Closure Report for U.S. Army Reserve Center, Lewisburg, PA, 550 Gallon UST. November.

U.S. Army, 1998b. Total Facility Assessment Report, Lewisburg USAR Center, Lewisburg, Pennsylvania. February.

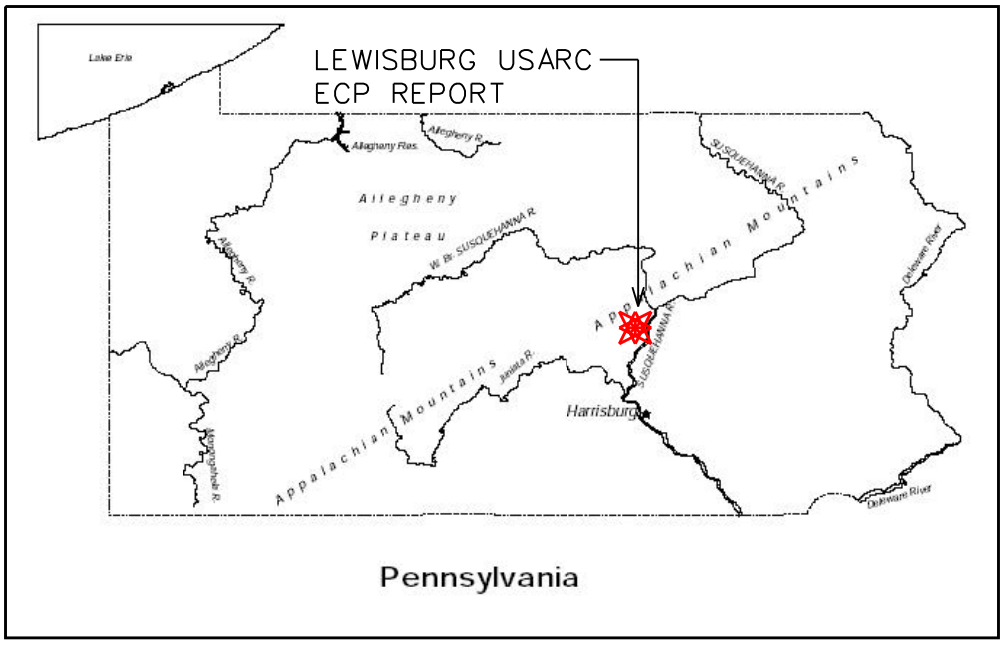
U.S. Army, 2002a. Closure Report for U.S. Army Reserve Center, Lewisburg, PA, 600 Gallon UST. November.

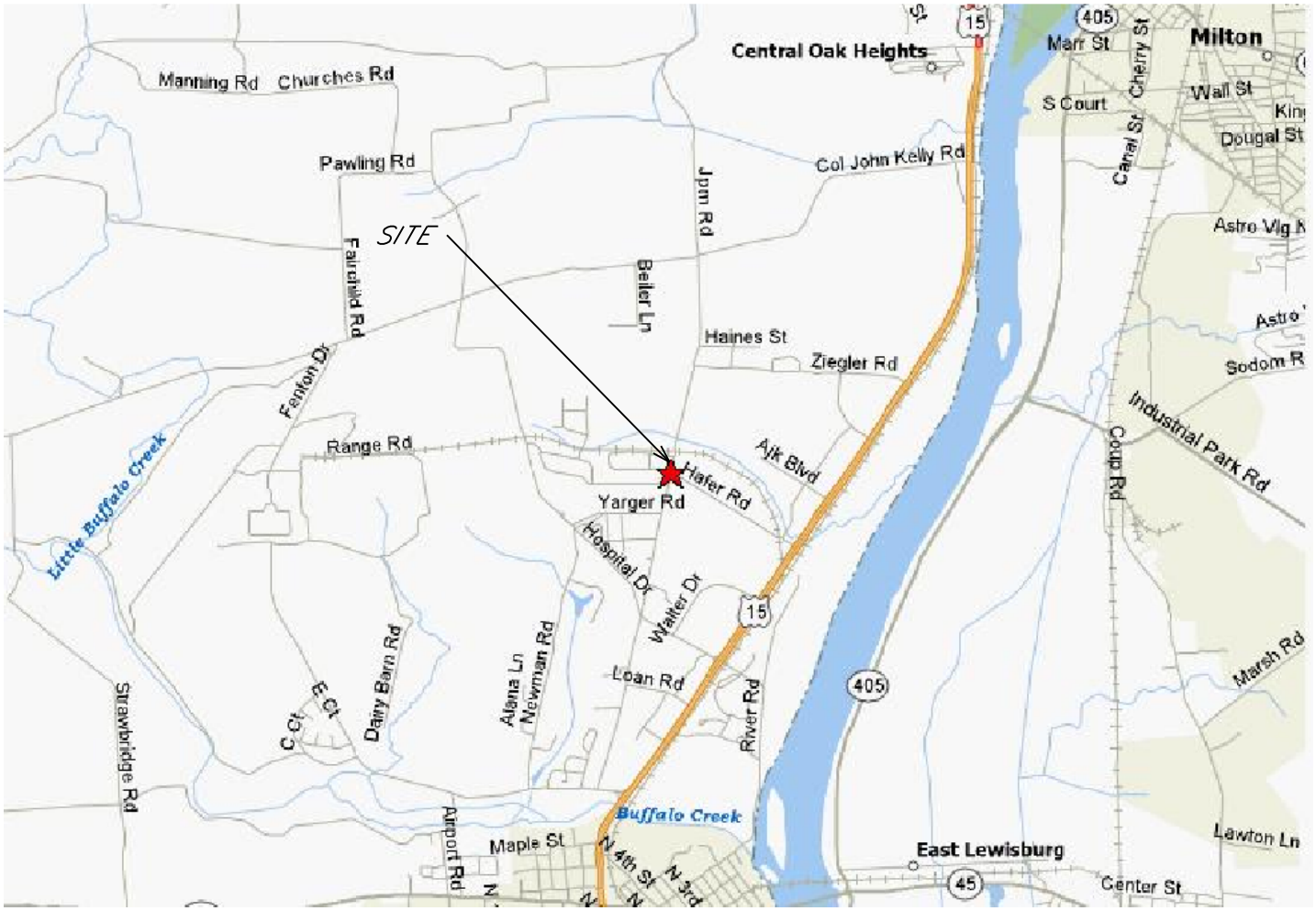
U.S. Army, 2002b. Engineering and Environmental Facility Assessment for Lewisburg USAR Center and OMS, Lewisburg, Pennsylvania. April 30.

U.S. Army, 2005. Real Property Action Plan, Lewisburg and Bloomsburg USAR Centers. October 7.

USACE (U.S. Army Corps of Engineers), 1994. Finding of No Significant Impact and Environmental Assessment, U.S. Army Reserve Center parking Expansion, Lewisburg, Pennsylvania. July.

Appendix A
Figures





GRAPHIC SCALE

0 800 1600 2400 3200FT

SCALE: 1'' = 3200'

FIGURE 1
GENERAL SITE LAYOUT MAP
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS Scientific

CH2MHILL

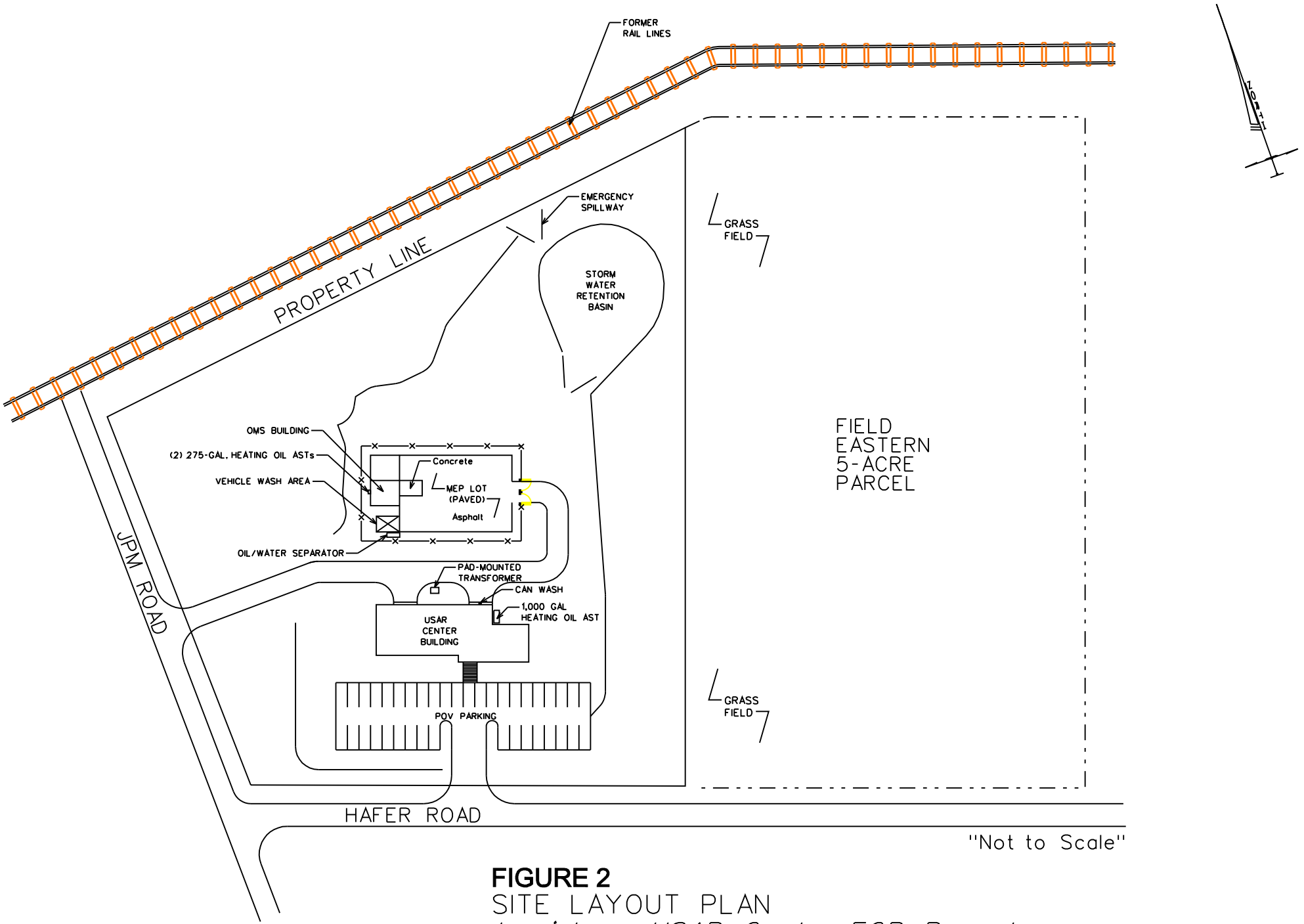


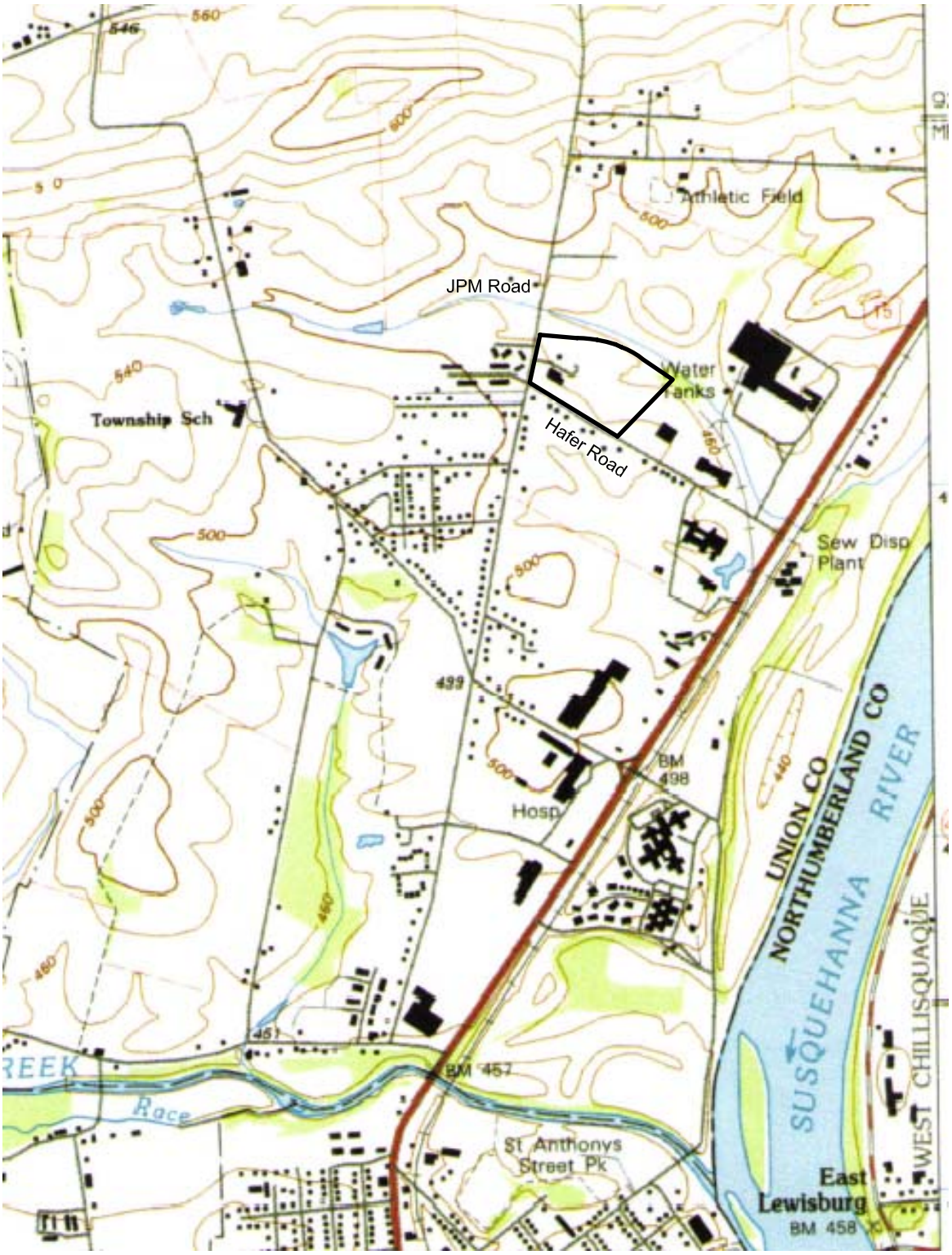
FIGURE 2
SITE LAYOUT PLAN
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

Ref: 99th Regional Support Command. 1994

CH2MHILL

N



= 1300'

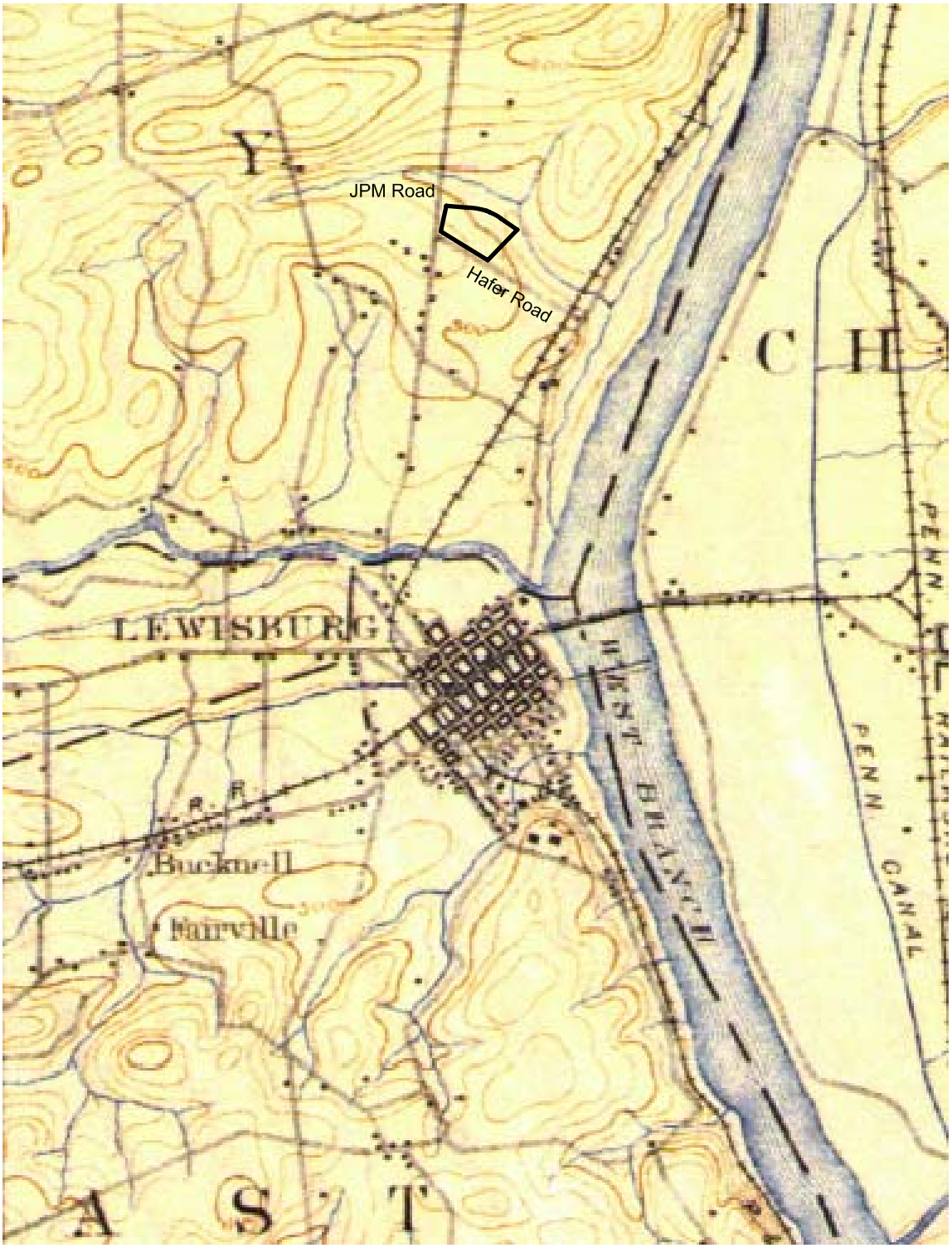
Source: EDR

FIGURE 3
1994 USGS 7.5 Minute, Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

N



= 2400'

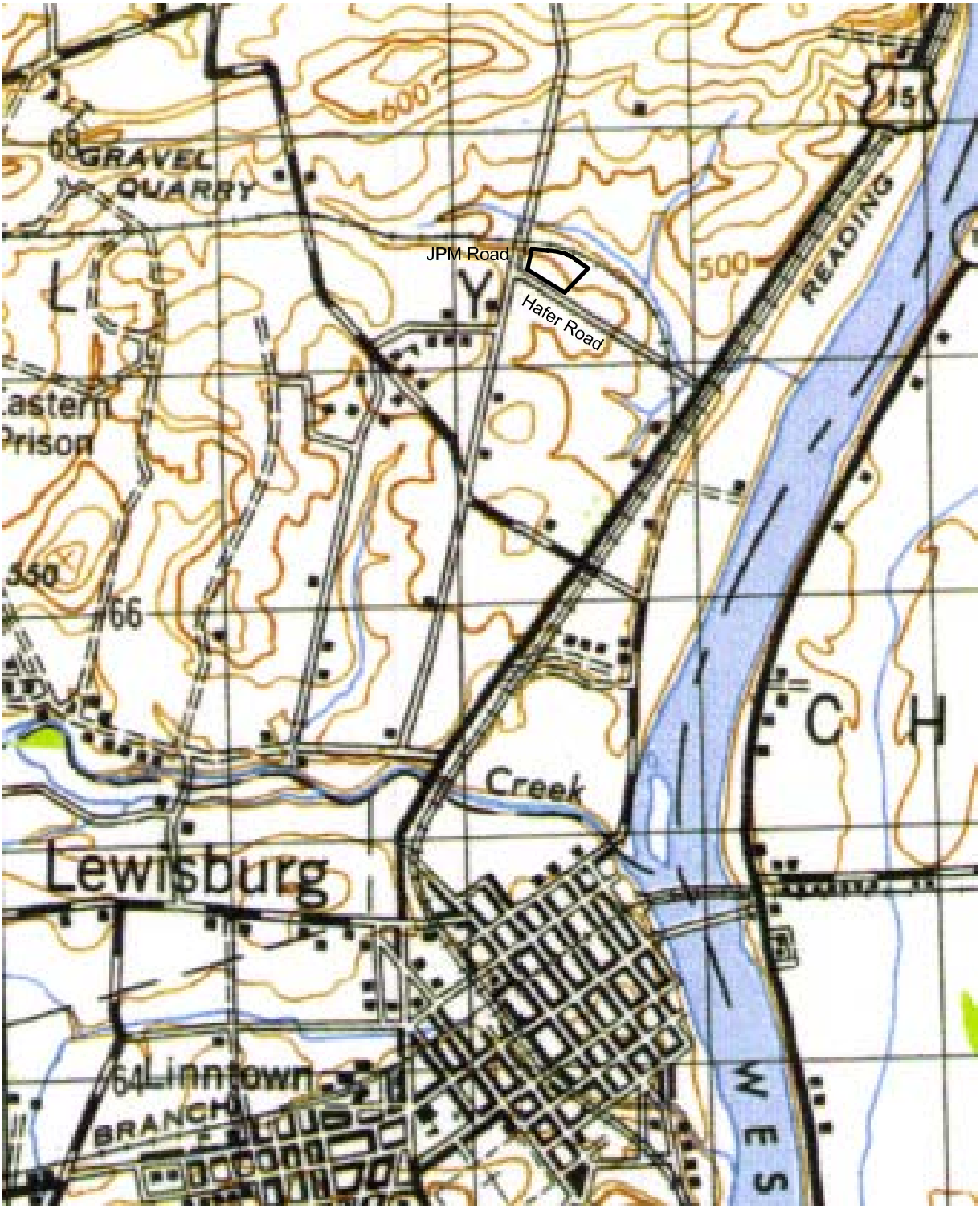
Source: EDR

FIGURE 4
1893 USGS Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

N



= 1700'

Source: EDR

FIGURE 5
1943 USGS Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

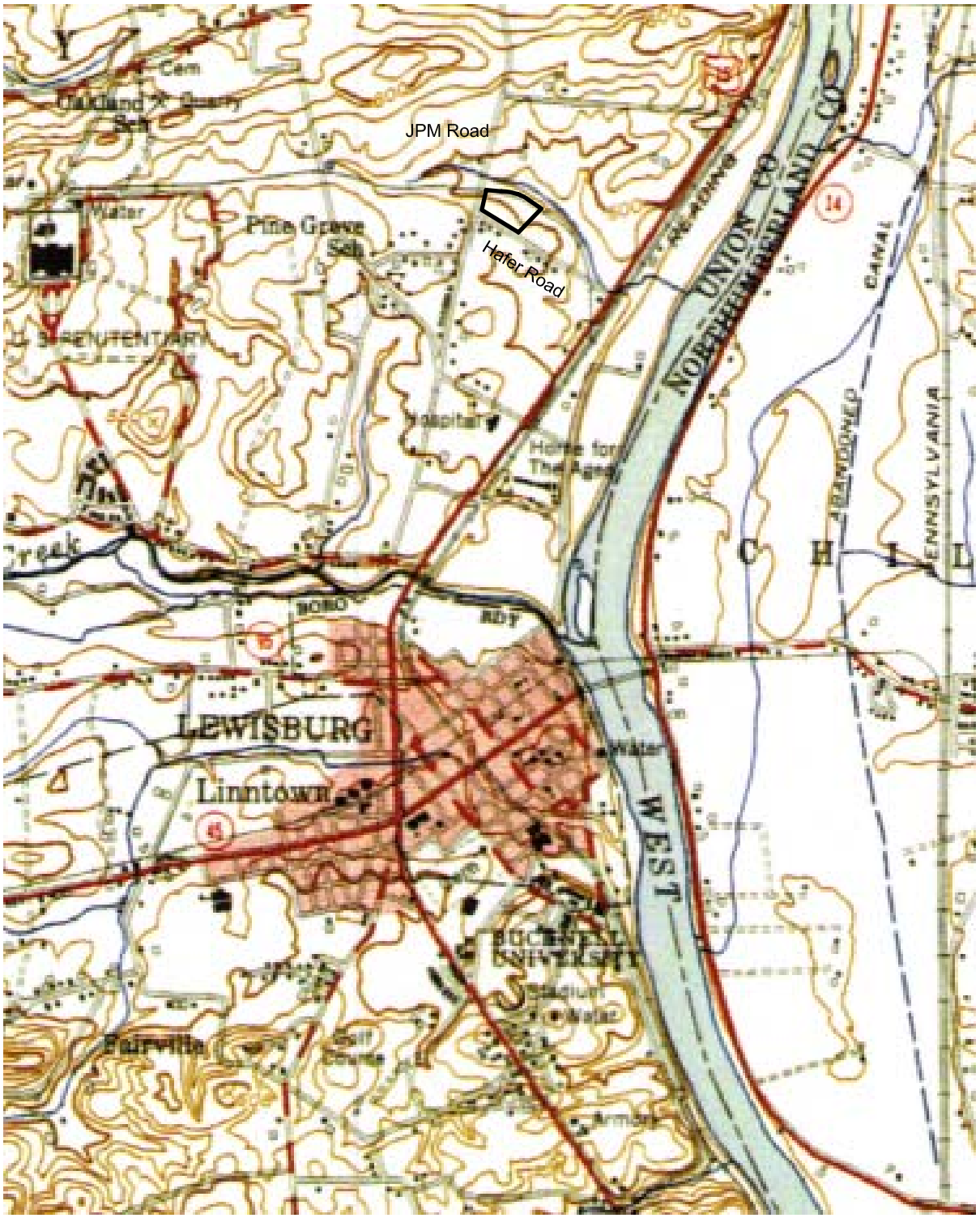
CH2MHILL

FIGURE 6
1951 Aerial Photograph
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

↑N



Source: EDR

= 2400'

FIGURE 7
1953 USGS Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

↑N

= 1300'

Source: EDR

FIGURE 8
1965 USGS Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

FIGURE 9
1973 Aerial Photograph
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

FIGURE 10
1984 USGS Topographic Map, Lewisburg, PA
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

FIGURE 11
1993 Aerial Photograph
Lewisburg USAR Center ECP Report
Lewisburg, Pennsylvania

PLEXUS scientific

CH2MHILL

Appendix B
Site Reconnaissance Photographs

APPENDIX B

Site Reconnaissance Photographs

1. *View to the east of the administration building.*

2. *View to the west of former rifle range.*

3. *Part of radon mitigation system in administration building.*

4. *View to the west of 1,000-gallon fuel oil AST (administration building).*

5. View to east of former 4,000-gallon fuel oil UST location.

6. View to the south of can wash area.

7. View to the west of the MEP area and OMS building.

8. View to the west of vehicle wash area and OWS to south of OMS building.

9. View to north of former 550-gallon UST and 600-gallon UST location on south side of OMS building.

10. View to north of west side of OMS building (includes doors to POL storage and 275-gallon ASTs).

11. POL storage room.

12. Work bay and floor drains (filled with concrete) in OMS building.

13. Pad-mounted electrical transformer located on north side of administration building.

14. View to south of eastern portion of USAR Center property (storm water retention basin in foreground to right).

15. View to the east of eastern 5-acre field.

16. View to north of storm water retention basin.

Appendix C

Property Acquisition Documents and Chain of Title Report

2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

LEWISBURG USARC, PA
HAFER AND JPM ROADS
LEWISBURG, PENNSYLVANIA

Submitted to:

ENVIRONMENTAL DATA RESOURCES, INC.
C/O
CH2M HILL
1569 Stampmill Way
Lawrenceville, Georgia 30043
(770) 338-1589

Attention: Mary Jacques

Project No. N06-5598

Wednesday, September 13, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

Being that parcel or tract of land, known as Military Tract Number 200, all of Lot 5, situated and lying in Kelly Township, City of Lewisburg, Union County, State of Pennsylvania

Assessor's Parcel No: 006-046-059.5

1. HISTORICAL CHAIN OF TITLE

1. DEED:
   - RECORDED: 04-03-1937
   - GRANTOR: David H. Kosenbader, widow
   - GRANTEE: Estella A. Wienman, Elisa Ann Kostenbader, Mayone Kostenbader, and Esther O. Kostenbader
   - INSTRUMENT: Bk 64, Pg 292

2. DEED:
   - RECORDED: 12-23-1941
   - GRANTOR: J. P. Weinman & Estella A. Weinman, husband & wife; Elisa Ann Kostenbader; Mayone Kostenbader, and Esther O. Kostenbader
   - GRANTEE: W. Taylor Kostenbader & Lucy J. Kostenbader, husband & wife
   - INSTRUMENT: Bk 70, Pg 154

3. DEED:
   - RECORDED: 11-30-1956
   - GRANTOR: Taylor Kostenbader, also known as W. Taylor Kostenbader & Lucy J. Kostenbader, husband & wife
   - GRANTEE: W. Taylor Kostenbader & Lucy J. Kostenbader, husband & wife; Clark H. Kostenbader & Ruth S. Kostenbader, husband & wife
   - INSTRUMENT: Bk 95, Pg 545

4. DEED:
   - RECORDED: 11-29-1967
   - GRANTOR: Lucy J. Kostenbader, widow and Clark H. Kostenbader & Ruth S. Kostenbader, husband & wife
   - GRANTEE: Realty Company of Pennsylvania
   - INSTRUMENT: Bk 116, Pg 636

5. DEED:
   - RECORDED: 03-03-1969
   - GRANTOR: Realty Company of Pennsylvania
   - GRANTEE: International Paper Company
   - INSTRUMENT: Bk 119, Pg 53

6. DEED:
   - RECORDED: 11-18-1976
   - GRANTOR: International Paper Company
   - GRANTEE: International Paper Realty Corporation
   - INSTRUMENT: Bk 136, Pg 162

7. DEED:

RECORDED:	12-27-1983
GRANTOR:	International Paper Realty Corporation
GRANTEE:	United States of America
INSTRUMENT:	Bk 160, Pg 1009

2. LEASES AND MISCELLANEOUS

1. No environmental liens, institutional controls or engineering controls were found of record.

3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and CH2M Hill, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Appendix D

Previous Environmental Site Assessment Reports

Appendix D is included electronically on the CD attached inside the back cover of this report.

Appendix E

Regulatory Database Search Reports

The EDR Radius Map
with GeoCheck®

Lewisburg USARC, PA
HAFER AND JPM RDS
LEWISBURG, PA 17837

Inquiry Number: 01718793.26r

July 28, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

TABLE OF CONTENTS

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

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

HAFER AND JPM RDS
LEWISBURG, PA 17837

COORDINATES

Latitude (North):	40.989728 - 40˚ 59' 23.0''
Longitude (West):	76.888105 - 76˚ 53' 17.2''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	341174.5
UTM Y (Meters):	4539121.5
Elevation:	485 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40076-H8 LEWISBURG, PA
Most Recent Revision:	1995
North Map:	41076-A8 ALLENWOOD, PA
Most Recent Revision:	1995
East Map:	40076-H7 NORTHUMBERLAND, PA
Most Recent Revision:	1995

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
USARMY RESERVE CTR HAFER / JPM RD LEWISBURG, PA 17837	ARCHIVE UST	N/A
LEWISBURG USARC HAFER & JPM RD LEWISBURG, PA 17837	RCRA-SQG FINDS	PA2210090070

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:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Hazardous Sites Cleanup Act Site List
HSCA	HSCA Remedial Sites Listing
SWF/LF	Operating Facilities
HIST LF	Abandoned Landfill Inventory
LUST	Storage Tank Release Sites
UNREG LTANKS	Unregulated Tank Cases
UST	Listing of Pennsylvania Regulated Underground Storage Tanks
LAST	Storage Tank Release Sites
AST	Listing of Pennsylvania Regulated Aboveground Storage Tanks
ARCHIVE AST	Archived Aboveground Storage Tank Sites
MANIFEST	Manifest Information
ACT 2-DEED	Act 2-Deed Acknowledgment Sites

EXECUTIVE SUMMARY

ENG CONTROLS Engineering Controls Site Listing
INST CONTROL Institutional Controls Site Listing
VCP Voluntary Cleanup Program Sites
DRYCLEANERS Drycleaner Facility Locations
BROWNFIELDS Brownfields Sites
AIRS Permit and Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations EDR Proprietary Historic Gas Stations
EDR Historical Cleaners EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

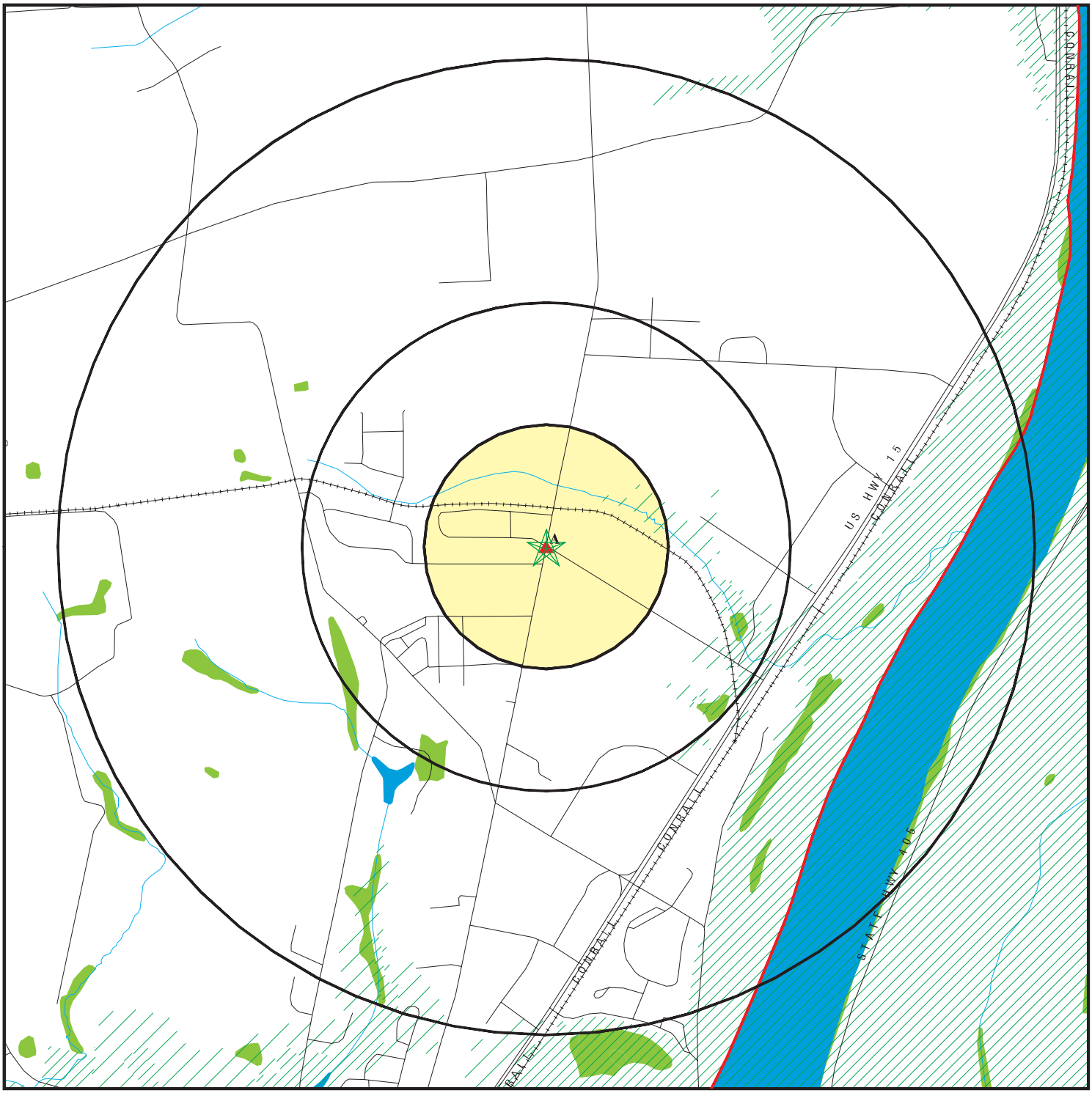
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

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

Site Name	Database(s)
LEWISBURG FEDERAL PRISON	FINDS, FTTS
LEWISBURG GAS CO	CERC-NFRAP
PPL-PENN FUEL GAS LEWISBURG	VCP, INST CONTROL, ACT 2-DEED, ENG CONTROLS
MONTOUR OIL SVC LEWISBURG	ARCHIVE AST
KELLY TWP MUN AUTH (FEASTER FARM)	HIST LF
LEWISBURG LANDFILL	HIST LF
STRAWSER DSPL SVC	LUST
PA HOUSE TRUCK GARAGE	LUST
LEWISBURG READY MIX PLT	LUST
BST FOODS LLC	UST
BUCKNELL UNIV	AST
LEWISBURG COMM POOL	AST
SMELTZ MOBIL	RCRA-SQG, FINDS
LEWISBURG ARMORY	RCRA-SQG, FINDS
MARKS BODY SHOP	RCRA-SQG, FINDS
SUNOCO SVC STA	RCRA-SQG, FINDS
LEWISBURG CLNR	FINDS
US DOJ/US PENITENTIARY LEWISBURG	FINDS
LEWISBURG PLT	FINDS
US PENITENTIARY LEWISBURG	FINDS
LEWISBURG JT AUTH SS STP	FINDS
US BUREAU OF PRISONS LEWISBURG PENITENTIARY	FINDS
EASTERN IND/LEWISBURG QUARRY	FINDS
LEWISBURG HS	FINDS
LEWISBURG MS	FINDS
PA HOUSE/LEWISBURG (EAST BUFFALO) F	AIRS
US DOJ/US PENITENTIARY LEWISBURG	AIRS
MOORE WALLACE NORTH AMER/LEWISBURG	AIRS
LEWISBURG SCHOOLS	NY MANIFEST

OVERVIEW MAP - 01718793.26r



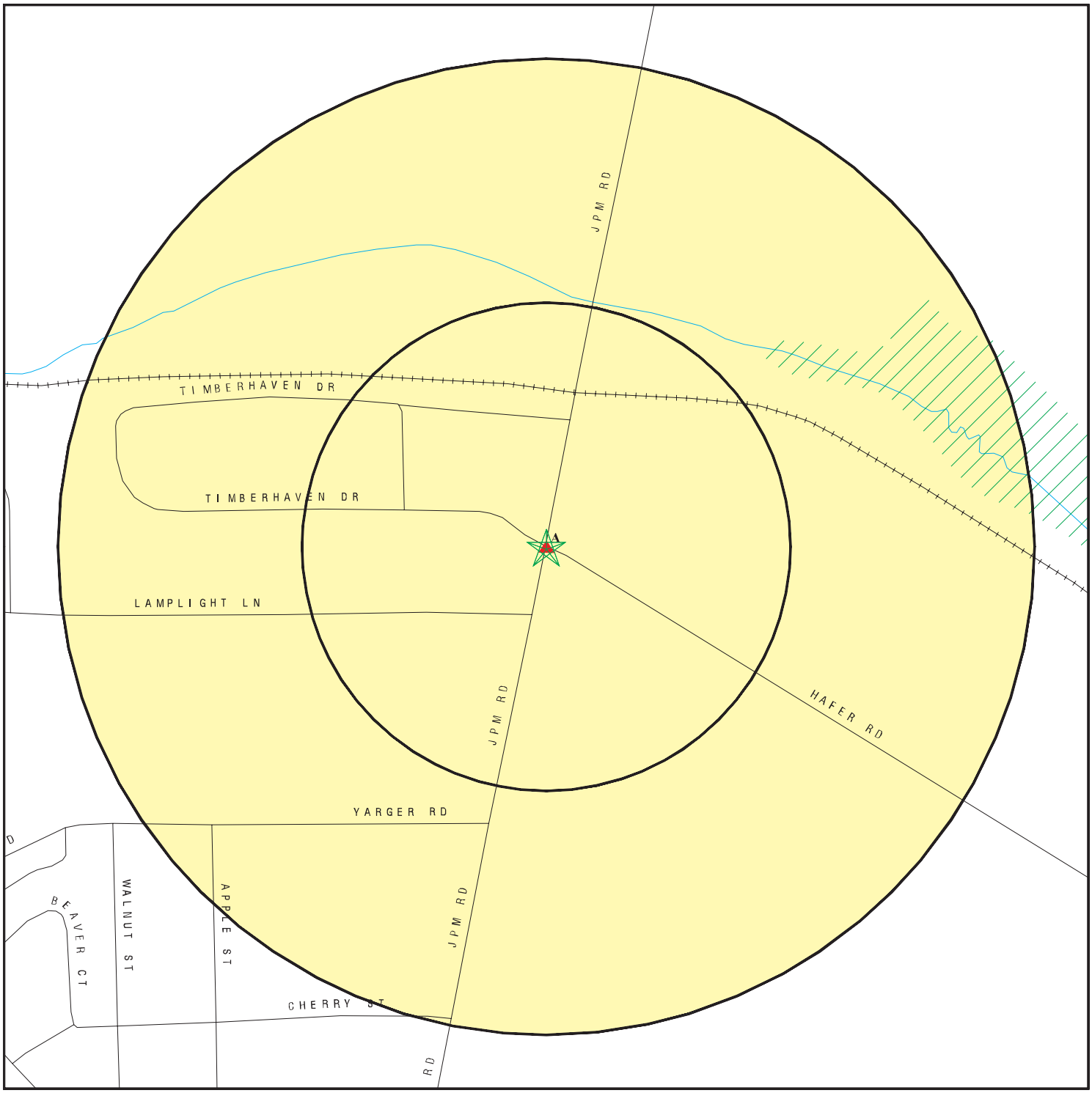
0 1/4 1/2 1 Miles

- 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
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

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: Lewisburg USARC, PA	CLIENT: CH2M Hill
ADDRESS: HAFER AND JPM RDS LEWISBURG PA 17837	CONTACT: Mary Beth Jacques INQUIRY #: 01718793.26r
LAT/LONG: 40.9897 / 76.8881	DATE: July 28, 2006

DETAIL MAP - 01718793.26r



- 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
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

0 1/16 1/8 1/4 Miles

N

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: Lewisburg USARC, PA	CLIENT: CH2M Hill
ADDRESS: HAFER AND JPM RDS LEWISBURG PA 17837	CONTACT: Mary Beth Jacques INQUIRY #: 01718793.26r
LAT/LONG: 40.9897 / 76.8881	DATE: July 28, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		1.000	0	0	0	0	NR	0
HSCA		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UNREG LTANKS		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
ARCHIVE UST	X	0.250	0	0	NR	NR	NR	0
LAST		0.500	0	0	0	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
ARCHIVE AST		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
ACT 2-DEED		0.500	0	0	0	NR	NR	0
ENG CONTROLS		0.500	0	0	0	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
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **USARMY RESERVE CTR** **ARCHIVE UST** **U003165924**
Target **HAFER / JPM RD** **N/A**
Property **LEWISBURG, PA 17837**

Site 1 of 2 in cluster A

Actual:
485 ft.

PA UST ARCHIVE:

Tank Id Number :	152324	Facility Id Number :	60-70406
Tank Sequence #	003	Installation Date :	10/15/1998
Capacity :	00000600	Substance :	Used Oil (all forms)
Status :	CURRENTLY IN USE	Owner Id Number :	13753
Owner Name :	99TH RSC CST 1		
Owner Address :	BUILDING 176 NAS WILLOW GROVE, PA 19090		
Owner Phone :	(215) 443-1667	County Code :	46
Municipality :	Not reported	Client Date :	Not reported
Resp Party Name	Not reported	Region Code :	Not reported
RP Address :			
Other Id :	Not reported	Regn Code Name :	Not reported
Reg Exp Date :	Not reported	Tank Code :	Not reported
Inspection Code :	Not reported	Dt Last Inspection :	Not reported
Status Code End Date :	Not reported		
Tank Substance End Dt :	Not reported		
Site ID :	Not reported		

A2 **LEWISBURG USARC** **RCRA-SQG** **1004773228**
Target **HAFER & JPM RD** **FINDS** **PA2210090070**
Property **LEWISBURG, PA 17837**

Site 2 of 2 in cluster A

Actual:
485 ft.

RCRAInfo:

Owner: 99TH REGIONAL SUPPORT COMMAND
(724) 693-2332
EPA ID: PA2210090070

Contact: KENDRA BORKA
(215) 443-1643

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
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.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LEWISBURG	1000570311	SMELTZ MOBIL	RD # 2 BOX 119 RT 45 WEST	17837	RCRA-SQG, FINDS
LEWISBURG	1004588896	LEWISBURG FEDERAL PRISON	RD #3	17837	FINDS, FTTS
LEWISBURG	S105802282	STRAWSER DSPL SVC	RR 1 RTE 405		LUST
LEWISBURG	S107692551	PA HOUSE/LEWISBURG (EAST BUFFALO) F	137 N 10TH ST	17837	AIRS
LEWISBURG	S107692613	US DOJ/US PENITENTIARY LEWISBURG	US 15	17837	AIRS
LEWISBURG	1008401545	LEWISBURG CLNR	RTE 15	17837	FINDS
LEWISBURG	1004773167	LEWISBURG ARMORY	580 RTE 15 S PO BOX 291	17837	RCRA-SQG, FINDS
LEWISBURG	1004583190	US DOJ/US PENITENTIARY LEWISBURG	US 15	17837	FINDS
LEWISBURG	1001818601	MARKS BODY SHOP	RT 15 1.5 MI N OF RT 192	17837	RCRA-SQG, FINDS
LEWISBURG	1004774460	SUNOCO SVC STA	RTE 15 & BUFFALO RD	17837	RCRA-SQG, FINDS
LEWISBURG	A100291082	BUCKNELL UNIV	ROUTE 15 & MOORE AVE	17837	AST
LEWISBURG	U003831278	BST FOODS LLC	ROUTE 15 & WALTER DR	17837	UST
LEWISBURG	A100291126	LEWISBURG COMM POOL	15TH & ST MARY ST	17837	AST
LEWISBURG	1006240491	LEWISBURG PLT	RR 2 SR0192	17837	FINDS
LEWISBURG	1007669998	US PENITENTIARY LEWISBURG	PO BOX 1000	17837	FINDS
LEWISBURG	1007464125	LEWISBURG JT AUTH SS STP	PO BOX 305	17837	FINDS
LEWISBURG	S100420844	KELLY TWP MUN AUTH (FEASTER FARM)	COL JOHN KELLY ROAD SR 1002	17837	HIST LF
LEWISBURG	1004582760	US BUREAU OF PRISONS LEWISBURG PENITENTIARY	R D 5	17837	FINDS
LEWISBURG	1003865480	LEWISBURG GAS CO	FOOT OF ST GEORGE ST	17837	CERC-NFRAP
LEWISBURG	S105816192	PPL-PENN FUEL GAS LEWISBURG	ST GEORGE / FRONT ST		VCP, INST CONTROL, ACT 2-DEED, ENG CONTROLS
LEWISBURG	S107692524	MOORE WALLACE NORTH AMER/LEWISBURG	INDUSTRIAL PKWY	17837	AIRS
LEWISBURG	S105955379	LEWISBURG LANDFILL	LEWISBURG		HIST LF
LEWISBURG	1005491150	EASTERN IND/LEWISBURG QUARRY	LEWISBURG QUARRY RR 2 BOX 573C	17837	FINDS
LEWISBURG	1008293081	LEWISBURG HS	M	17837	FINDS
LEWISBURG	1008285814	LEWISBURG MS	M	17837	FINDS
LEWISBURG	S107781015	MONTOUR OIL SVC LEWISBURG	2002 W MARKET ST	17837	ARCHIVE AST
LEWISBURG	1009246323	LEWISBURG SCHOOLS	815 MARKET ST	17837	NY MANIFEST
LEWISBURG	1001885225	PA HOUSE TRUCK GARAGE	ST MARYS ST		LUST
LEWISBURG	S105802328	LEWISBURG READY MIX PLT	520 SAINT MARYS ST		LUST

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.

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: 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: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

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: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/21/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 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. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

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: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

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: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
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: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
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: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

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: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
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: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/13/2006
Date Made Active in Reports: 05/19/2006
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6064
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

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: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

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: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
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: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/07/2006
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: 04/12/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

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: 02/09/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
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: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
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: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/21/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 03/15/2006
Number of Days to Update: 26

Source: Department Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund list.

Date of Government Version: 05/05/2004
Date Data Arrived at EDR: 05/26/2004
Date Made Active in Reports: 06/24/2004
Number of Days to Update: 29

Source: Department of Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 02/17/2006
Next Scheduled EDR Contact: 05/15/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Operating Facilities

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/31/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 07/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Semi-Annually

HIST LF: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/04/2005
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP?s name was the Department of Environmental Resources.

Date of Government Version: 12/20/1994
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 06/21/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP?s name was the Department of Environmental Resources.

Date of Government Version: 06/02/1999
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 09/19/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002
Date Data Arrived at EDR: 08/14/2003
Date Made Active in Reports: 08/29/2003
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 08/14/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Listing of Pennsylvania Regulated Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

ARCHIVE UST: Archived Underground Storage Tank Sites
The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

LAST: Storage Tank Release Sites
Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Semi-Annually

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 23

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

ARCHIVE AST: Archived Aboveground Storage Tank Sites
The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Varies

MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 06/20/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. 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: 03/08/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. 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: 03/08/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites involved in the Voluntary Cleanup Program

Date of Government Version: 06/20/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-2388
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Sites

Date of Government Version: 06/20/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data
Permit and emissions inventory data.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/03/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

TRIBAL RECORDS

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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

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

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
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: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 61

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/09/2006
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: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Public Welfare
Telephone: 717-783-3856

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

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 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

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LEWISBURG USARC, PA
HAFER AND JPM RDS
LEWISBURG, PA 17837

TARGET PROPERTY COORDINATES

Latitude (North):	40.989728 - 40˚ 59’ 23.0’’
Longitude (West):	76.888105 - 76˚ 53’ 17.2’’
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	341174.5
UTM Y (Meters):	4539121.5
Elevation:	485 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40076-H8 LEWISBURG, PA
Most Recent Revision:	1995
North Map:	41076-A8 ALLENWOOD, PA
Most Recent Revision:	1995
East Map:	40076-H7 NORTHUMBERLAND, PA
Most Recent Revision:	1995

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).

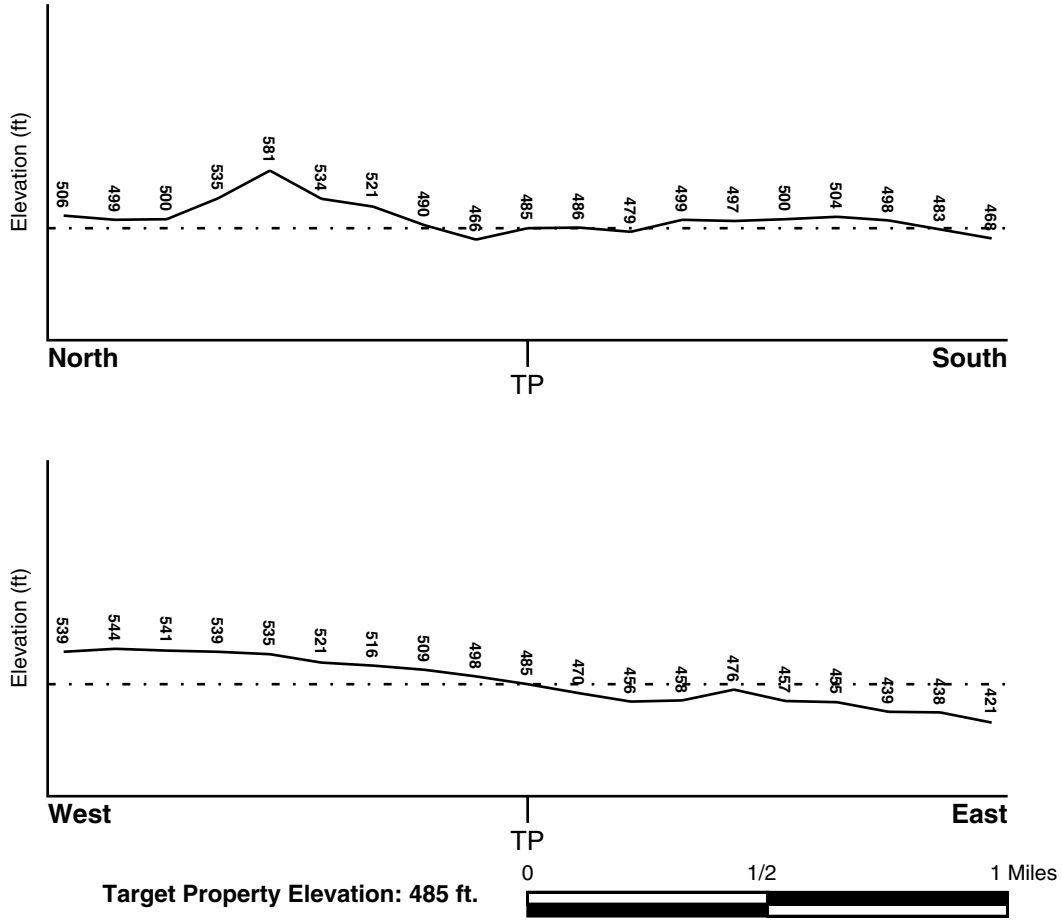
TOPOGRAPHIC INFORMATION

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 ESE

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
UNION, PA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	4221030002B
Additional Panels in search area:	4210330001B 00000000000

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LEWISBURG	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

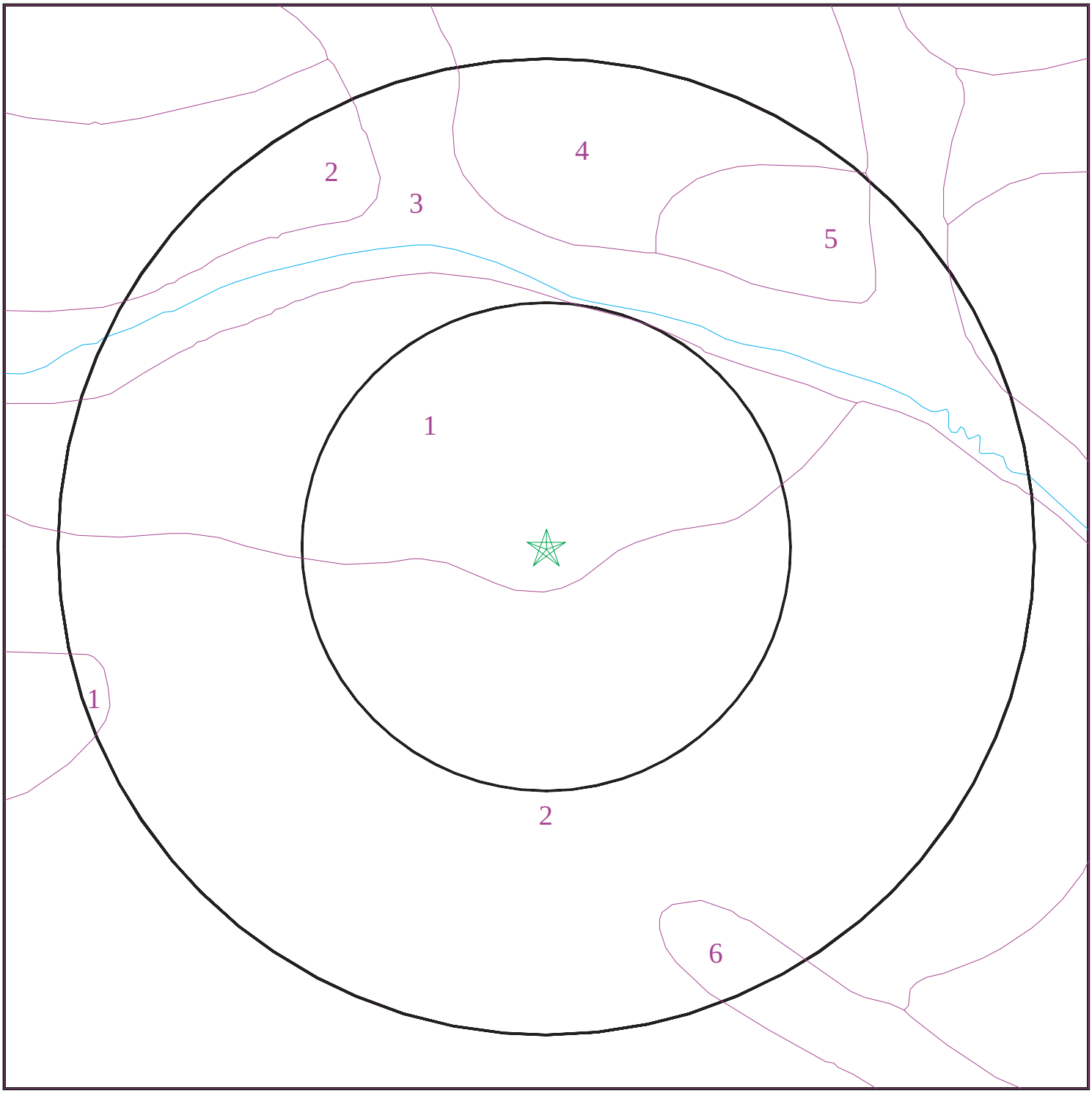
Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified 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 - 01718793.26r



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Lewisburg USARC, PA	CLIENT:	CH2M Hill
ADDRESS:	HAFER AND JPM RDS LEWISBURG PA 17837	CONTACT:	Mary Beth Jacques
LAT/LONG:	40.9897 / 76.8881	INQUIRY #:	01718793.26r
		DATE:	July 28, 2006

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: EDOM

Soil Surface Texture: shaly - silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 40 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	shaly - silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 5.10
2	9 inches	39 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.20	Max: 7.80 Min: 5.10
3	39 inches	75 inches	shaly - silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.20	Max: 7.80 Min: 5.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
4	75 inches	79 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

Soil Map ID: 2

Soil Component Name: EDOM

Soil Surface Texture: shaly - silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 40 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	shaly - silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.80 Min: 5.10
2	9 inches	39 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.20	Max: 7.80 Min: 5.10
3	39 inches	75 inches	shaly - silty clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.20	Max: 7.80 Min: 5.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
4	75 inches	79 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

Soil Map ID: 3

Soil Component Name: SHELMADINE

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
2	5 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	29 inches	51 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 5.50 Min: 3.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
4	51 inches	62 inches	channery - silt loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.60 Min: 0.06	Max: 5.50 Min: 3.60

Soil Map ID: 4

Soil Component Name: WASHINGTON

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

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

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	8 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
3	48 inches	62 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60

Soil Map ID: 5

Soil Component Name: ALVIRA

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 40 inches

Depth to Bedrock Max: > 40 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	9 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	20 inches	62 inches	gravelly - silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 5.50 Min: 3.60

Soil Map ID: 6

Soil Component Name: ALVIRA

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 40 inches

Depth to Bedrock Max: > 40 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	9 inches	20 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	20 inches	62 inches	gravelly - silt loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 5.50 Min: 3.60

Soil Map ID: 7

Soil Component Name: ALLENWOOD

Soil Surface Texture: gravelly - 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: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	11 inches	gravelly - silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
2	11 inches	56 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	56 inches	89 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

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
B3	USGS2195169	1/4 - 1/2 Mile WSW
C7	USGS2195194	1/2 - 1 Mile WNW
F15	USGS2202524	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

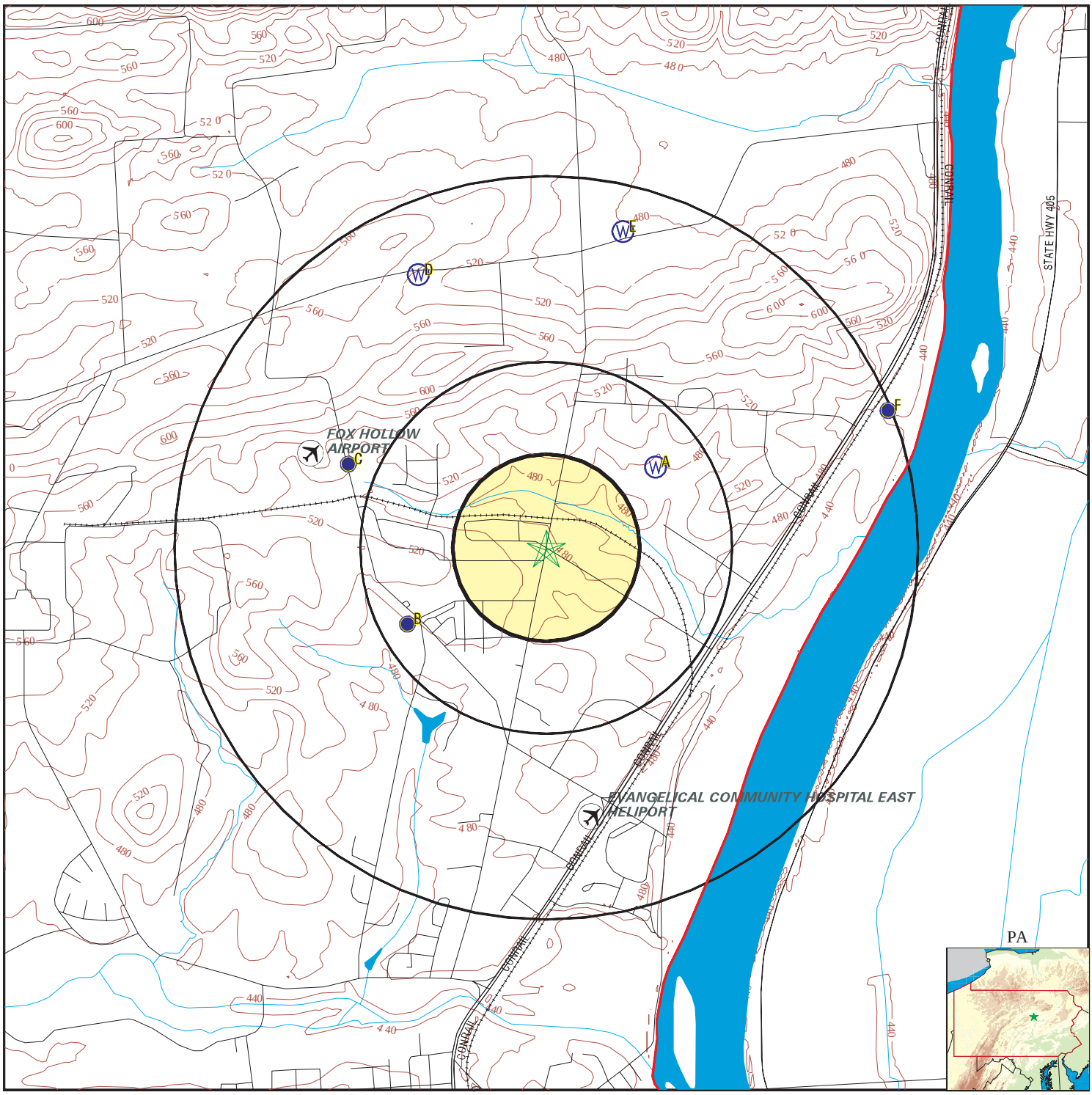
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	SPAW0095313	1/4 - 1/2 Mile NE
A2	PA1000000131867	1/4 - 1/2 Mile NE
B4	PA1000000131405	1/4 - 1/2 Mile WSW
C5	SPAW0095295	1/2 - 1 Mile WNW
C6	PA1000000131916	1/2 - 1 Mile WNW
C8	PA1000000131833	1/2 - 1 Mile WNW
D9	PA1000000132850	1/2 - 1 Mile NNW
D10	SPAW0095287	1/2 - 1 Mile NNW
E11	PA1000000133069	1/2 - 1 Mile NNE
E12	PA1000000133070	1/2 - 1 Mile NNE
E13	SPAW0095290	1/2 - 1 Mile NNE
E14	SPAW0095291	1/2 - 1 Mile NNE
F16	PA1000000132122	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 01718793.26r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- 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

SITE NAME: Lewisburg USARC, PA	CLIENT: CH2M Hill
ADDRESS: HAFER AND JPM RDS LEWISBURG PA 17837	CONTACT: Mary Beth Jacques INQUIRY #: 01718793.26r
LAT/LONG: 40.9897 / 76.8881	DATE: July 28, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NE
1/4 - 1/2 Mile
Lower

PA WELLS **SPAW0095313**

Well ID:	X 0549		
Owner's Name:	KELLY TWP SHED	County	UNION
Latitude:	405934	Longitude:	765258
Quadrangle:	LEWISBURG	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Hydrologic Unit:	Not Reported	Topographic Setting:	Not Reported
Water Usage:	DOMESTIC	Site Usage:	WITHDRAWAL
Well Depth:	65	Finish:	OPEN HOLE
Casing 1:	20	Casing1 Diameter(inches):	6
Casing2:	Not Reported	Casing2 Diameter(inches):	Not Reported
Grouted:	Not Reported	Date Drilled:	00-00-00
Static Water Level:	Not Reported	Production WL:	Not Reported
Yield (gpm):	18	Yield Measurement Method:	1
Drawdown:	Not Reported	Test Time:	1
Bedrock:	12	Driller:	0200
Water Bearing Zone 1:	38	Water Bearing Zone 2:	51
Water Bearing Zone 3:	Not Reported	Lithology:	SHALE
Municipality:	KELLY	Remark:	1130
Aquifer:	MARCELLUS SHALE		

A2
NE
1/4 - 1/2 Mile
Lower

PA WELLS **PA1000000131867**

WELLID:	Not Reported	LOCALWELLN:	X 0549
COUNTY:	UNION		
AAPG:	344MRCL		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	65		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		
LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	LEWISBURG		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	40.99278		
LONGITUDED:	-76.88278		
DEPTHTOBED:	12		
DATEDRILLE:	Not Reported		
PAGWIS ID:	139857		

Construction Information:

Construction Date:	Not Reported
Driller:	0200
Source Cons Data:	DRILLER'S RECORD
Method Cons:	Not Reported
Finish:	OPEN HOLE

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	20	Casing Diameter:	6
Casing:	Not Reported		

Geohydrologic Information:

A A P G:	344MRCL		
Lithology:	SH		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	WITHDRAWAL
Water Use:	DOMESTIC

Owner Information:

Owner:	KELLY TWP SHED
Date Ownership:	Not Reported

B3
WSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2195169**

Agency cd:	USGS	Site no:	405912076534401
Site name:	UN 66		
Latitude:	405912		
Longitude:	0765344	Dec lat:	40.98675146
Dec lon:	-76.89524283	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	119
Country:	US	Land net:	Not Reported
Location map:	LEWISBURG	Map scale:	24000
Altitude:	500.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Lower West Branch Susquehanna. Pennsylvania. Area = 1810 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	MARCELLUS SHALE		
Well depth:	63.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B4
WSW **PA WELLS** **PA1000000131405**
1/4 - 1/2 Mile
Higher

WELLID:	405912076534401	LOCALWELLN:	UN 66
COUNTY:	UNION		
AAPG:	344MRCL		
TOPOGRAPHY:	HILLSIDE		
WELLDEPTH:	63		
ELEVATION:	500		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02050206		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	LEWISBURG		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	40.98667		
LONGITUDED:	-76.89556		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	32964		

Agency Use Section:

Agency Use of Site:	OBSERVATION
Agency Use Date:	Not Reported

Construction Information:

Construction Date:	Not Reported
Driller:	1
Source Cons Data:	OTHER/UNKNOWN/UNSPECIFIED
Method Cons:	CABLE TOOL
Finish:	OPEN HOLE

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	41	Casing Diameter:	6
Casing:	UNKNOWN		

Geohydrologic Information:

A A P G:	344MRCL		
Lithology:	SHALE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: YODER, CLARENCE
Date Ownership: 10/01/1936 00:00:00

C5
WNW
1/2 - 1 Mile
Higher

PA WELLS **SPAW0095295**

Well ID:	X 0159		
Owner's Name:	PEACHY ABE	County	UNION
Latitude:	405936	Longitude:	765354
Quadrangle:	LEWISBURG	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Hydrologic Unit:	Not Reported	Topographic Setting:	Not Reported
Water Usage:	DOMESTIC	Site Usage:	WITHDRAWAL
Well Depth:	130	Finish:	OPEN HOLE
Casing 1:	107	Casing1 Diameter(inches):	6
Casing2:	Not Reported	Casing2 Diameter(inches):	Not Reported
Grouted:	Not Reported	Date Drilled:	00-00-66
Static Water Level:	90	Production WL:	Not Reported
Yield (gpm):	7	Yield Measurement Method:	3
Drawdown:	31	Test Time:	1
Bedrock:	104	Driller:	0200
Water Bearing Zone 1:	118	Water Bearing Zone 2:	Not Reported
Water Bearing Zone 3:	Not Reported	Lithology:	OTHER
Municipality:	KELLY	Remark:	1130
Aquifer:	ONONDAGA FORMATION/LIMEST		

C6
WNW
1/2 - 1 Mile
Higher

PA WELLS **PA1000000131916**

WELLID:	Not Reported	LOCALWELLN:	X 0159
COUNTY:	UNION		
AAPG:	344ONDG		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	130		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		
LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	LEWISBURG		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	40.99333		
LONGITUDED:	-76.89833		

DEPTHTOBED: 104
DATEDRILLE: Not Reported
PAGWIS ID: 139839

Construction Information:
Construction Date: 01/01/1966 00:00:00
Driller: 0200
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 107
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
A A P G: 344ONDG
Lithology: O
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: PEACHY ABE
Date Ownership: Not Reported

C7
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS2195194**

Agency cd: USGS
Site no: 405933076535601
Site name: UN 145
Latitude: 405933
Longitude: 0765356
Dec lat: 40.99258475
Dec lon: -76.89857598
Coor meth: M
Coor accr: S
Latlong datum: NAD27
Dec latlong datum: NAD83
District: 42
State: 42
County: 119
Country: US
Land net: Not Reported
Location map: LEWISBURG
Map scale: 24000
Altitude: 520.00
Altitude method: M
Altitude accuracy: 10
Altitude datum: NGVD29
Hydrologic: Lower West Branch Susquehanna. Pennsylvania. Area = 1810 sq.mi.
Topographic: Upland draw
Site type: Ground-water other than Spring
Date construction: 19801001
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: ONONDAGA, OLD PORT FORMATIONS UNDIFFERENTIATED
Well depth: 75.0
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: Not Reported
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00

Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1980-10-00
Ground water data end date: 1981-09-14
Ground water data count: 2

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-09-14	19.00		1980-10	30.00	

C8
WNW **PA WELLS** **PA1000000131833**
1/2 - 1 Mile
Higher

WELLID: 405933076535601 LOCALWELLN: UN 145
COUNTY: UNION
AAPG: 344ODOP
TOPOGRAPHY: UPLAND DRAW
WELLDEPTH: 75
ELEVATION: 520
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 10
HYDROLOGIC: 02050206
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: LEWISBURG
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: KELLY TWP.
LATITUDEDD: 40.9925
LONGITUDED: -76.89889
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 33081

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 10/01/1980 00:00:00
Driller: -000
Source Cons Data: DRILLER'S RECORD
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 40 Casing Diameter: 6
Casing: UNKNOWN

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	75	Hole Diameter:	6

Geohydrologic Information:

A A P G:	344ODOP		
Lithology:	SHALE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	WITHDRAWAL
Water Use:	DOMESTIC

Owner Information:

Owner:	REED, LESTER
Date Ownership:	09/14/1981 00:00:00

Remarks Information:

Remark:	GWSI originally listed the driller as 03231
Remark Date:	12/07/1998 00:00:00
Remark:	SAMPLE NO.78-09-036.
Remark Date:	03/23/1983 00:00:00

D9
NNW **PA WELLS** **PA1000000132850**
1/2 - 1 Mile
Higher

WELLID:	Not Reported	LOCALWELLN:	X 0148
COUNTY:	UNION		
AAPG:	351WLCK		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	148		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		
LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	ALLENWOOD		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	41.00028		
LONGITUDED:	-76.895		
DEPTHTOBED:	60		
DATEDRILLE:	Not Reported		
PAGWIS ID:	139831		

Construction Information:

Construction Date:	01/01/1967 00:00:00
Driller:	1057
Source Cons Data:	DRILLER'S RECORD
Method Cons:	Not Reported
Finish:	OPEN HOLE

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	70	Casing Diameter:	6
Casing:	Not Reported		

Geohydrologic Information:

A A P G:	351WLCK		
Lithology:	LS		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	WITHDRAWAL
Water Use:	DOMESTIC

Owner Information:

Owner:	LLOYD GEORGE
Date Ownership:	Not Reported

D10
NNW
1/2 - 1 Mile
Higher

PA WELLS **SPAW0095287**

Well ID:	X 0148		
Owner's Name:	LLOYD GEORGE	County	UNION
Latitude:	410001	Longitude:	765342
Quadrangle:	ALLENWOOD	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Hydrologic Unit:	Not Reported	Topographic Setting:	Not Reported
Water Usage:	DOMESTIC	Site Usage:	WITHDRAWAL
Well Depth:	148	Finish:	OPEN HOLE
Casing 1:	70	Casing1 Diameter(inches):	6
Casing2:	Not Reported	Casing2 Diameter(inches):	Not Reported
Grouted:	Not Reported	Date Drilled:	00-00-67
Static Water Level:	70	Production WL:	Not Reported
Yield (gpm):	40	Yield Measurement Method:	3
Drawdown:	95	Test Time:	Not Reported
Bedrock:	60	Driller:	1057
Water Bearing Zone 1:	90	Water Bearing Zone 2:	145
Water Bearing Zone 3:	Not Reported	Lithology:	LIMESTONE
Municipality:	KELLY	Remark:	1030
Aquifer:	WILLS CREEK FORMATION		

E11
NNE
1/2 - 1 Mile
Lower

PA WELLS **PA1000000133069**

WELLID:	Not Reported	LOCALWELLN:	X 0153
COUNTY:	UNION		
AAPG:	351WLCK		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	95		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		

LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	ALLENWOOD		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	41.00194		
LONGITUDED:	-76.88444		
DEPTHTOBED:	30		
DATEDRILLE:	Not Reported		
PAGWIS ID:	139834		

Construction Information:

Construction Date:	01/01/1966 00:00:00		
Driller:	0160		
Source Cons Data:	DRILLER'S RECORD		
Method Cons:	Not Reported		
Finish:	OPEN HOLE		

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	40	Casing Diameter:	6
Casing:	Not Reported		

Geohydrologic Information:

A A P G:	351WLCK		
Lithology:	LS		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	WITHDRAWAL
Water Use:	DOMESTIC

Owner Information:

Owner:	STOLTZFUS MAST
Date Ownership:	Not Reported

E12
NNE
1/2 - 1 Mile
Lower

PA WELLS **PA1000000133070**

WELLID:	Not Reported	LOCALWELLN:	X 0154
COUNTY:	UNION		
AAPG:	351WLCK		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	105		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		

LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: ALLENWOOD
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: KELLY TWP.
LATITUDEDD: 41.00194
LONGITUDED: -76.88444
DEPTHTOBED: 58
DATEDRILLE: Not Reported
PAGWIS ID: 139835

Construction Information:
Construction Date: 01/01/1966 00:00:00
Driller: 0160
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 60 Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
A A P G: 351WLCK
Lithology: LS
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: STOLTZFUS MAST
Date Ownership: Not Reported

E13
NNE
1/2 - 1 Mile
Lower

PA WELLS **SPAW0095290**

Well ID: X 0153
Owner's Name: STOLTZFUS MAST County UNION
Latitude: 410007 Longitude: 765304
Quadrangle: ALLENWOOD Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Hydrologic Unit: Not Reported Topographic Setting: Not Reported
Water Usage: DOMESTIC Site Usage: WITHDRAWAL
Well Depth: 95 Finish: OPEN HOLE
Casing 1: 40 Casing1 Diameter(inches): 6
Casing2: Not Reported Casing2 Diameter(inches): Not Reported

Grouted:	Not Reported	Date Drilled:	00-00-66
Static Water Level:	50	Production WL:	Not Reported
Yield (gpm):	20	Yield Measurement Method:	1
Drawdown:	40	Test Time:	1
Bedrock:	30	Driller:	0160
Water Bearing Zone 1:	75	Water Bearing Zone 2:	90
Water Bearing Zone 3:	Not Reported	Lithology:	LIMESTONE
Municipality:	KELLY	Remark:	1030
Aquifer:	WILLS CREEK FORMATION		

E14
NNE **PA WELLS** **SPAW0095291**
1/2 - 1 Mile
Lower

Well ID:	X 0154		
Owner's Name:	STOLTZFUS MAST	County	UNION
Latitude:	410007	Longitude:	765304
Quadrangle:	ALLENWOOD	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Hydrologic Unit:	Not Reported	Topographic Setting:	Not Reported
Water Usage:	DOMESTIC	Site Usage:	WITHDRAWAL
Well Depth:	105	Finish:	OPEN HOLE
Casing 1:	60	Casing1 Diameter(inches):	6
Casing2:	Not Reported	Casing2 Diameter(inches):	Not Reported
Grouted:	Not Reported	Date Drilled:	00-00-66
Static Water Level:	50	Production WL:	Not Reported
Yield (gpm):	50	Yield Measurement Method:	1
Drawdown:	50	Test Time:	1
Bedrock:	58	Driller:	0160
Water Bearing Zone 1:	94	Water Bearing Zone 2:	98
Water Bearing Zone 3:	Not Reported	Lithology:	LIMESTONE
Municipality:	KELLY	Remark:	1030
Aquifer:	WILLS CREEK FORMATION		

F15
ENE **FED USGS** **USGS2202524**
1/2 - 1 Mile
Lower

Agency cd:	USGS	Site no:	405942076521501
Site name:	UN 65		
Latitude:	405942		
Longitude:	0765215	Dec lat:	40.99508511
Dec lon:	-76.8705197	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	119
Country:	US	Land net:	Not Reported
Location map:	NORTHUMBERLAND	Map scale:	24000
Altitude:	470.00	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Lower West Branch Susquehanna. Pennsylvania. Area = 1810 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ONONDAGA LIMESTONE		
Well depth:	100	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F16
ENE **PA WELLS** **PA1000000132122**
1/2 - 1 Mile
Lower

WELLID:	405942076521501	LOCALWELLN:	UN 65
COUNTY:	UNION		
AAPG:	344ONDG		
TOPOGRAPHY:	VALLEY FLAT		
WELLDEPTH:	100		
ELEVATION:	470		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02050206		
LATLONGACCURACY:	ACCURATE TO +5 SECONDS		
QUAD:	NORTHUMBERLAND		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	KELLY TWP.		
LATITUDEDD:	40.995		
LONGITUDED:	-76.87083		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	32968		

Agency Use Section:

Agency Use of Site:	OBSERVATION
Agency Use Date:	Not Reported

Construction Information:

Construction Date:	Not Reported
Driller:	1
Source Cons Data:	OTHER/UNKNOWN/UNSPECIFIED
Method Cons:	CABLE TOOL
Finish:	OPEN HOLE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	23	Casing Diameter:	8
Casing:	UNKNOWN		

Geohydrologic Information:

A A P G:	344ONDG		
Lithology:	LIMESTONE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	WITHDRAWAL
Water Use:	DOMESTIC

Owner Information:

Owner:	STEIN, CHARLES
Date Ownership:	10/01/1936 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: PA Radon

Test Result Statistics

Zip	Total Sites	Min pCi/L	Max pCi/L	Avg pCi/L
17837	731	0	265.8	10.3

EPA Region 3 Statistical Summary Readings for Zip Code: 17837

Number of sites tested: 1511.

Maximum Radon Level: 265.8 pCi/L.
Minimum Radon Level: 0.5 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
782 (51.75%)	385 (25.48%)	198 (13.10%)	120 (7.94%)	20 (1.32%)	6 (0.40%)

Federal EPA Radon Zone for UNION 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.

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 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 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

Pennsylvania Public Water Supply Wells
Source: Pennsylvania Department of Environmental Resources Bureau of Water Supply
Telephone: 717-787-5017

Pennsylvania Groundwater Information System
Source: Department of Conservation and Natural Resources
Telephone: 717-783-7258

OTHER STATE DATABASE INFORMATION

RADON

State Database: PA Radon
Source: Department of Environmental Protection
Telephone: 717-783-3594
Radon Test Results Statistics by Zip Code

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.

EPA Region 3 Statistical Summary Readings
Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

STREET AND ADDRESS INFORMATION

The EDR-City Directory
Abstract

Lewisburg USARC, PA
480 Hafer Road
LEWISBURG, PA 17837

Inquiry Number: 1718793.30

Friday, August 04, 2006

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

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

SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 2005 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: August 4, 2006

Target Property:
480 Hafer Road
LEWISBURG, PA 17837

Year	Uses	Source
2005	Address Not Listed in Research Source	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
LEWISBURG, PA 17837

Year	Uses	Source
2005	****Hafer Road****	Polk's City Directory
	Residence (323)	Polk's City Directory
	Residence (367)	Polk's City Directory
	Residence (467)	Polk's City Directory
	No other addresses in range	Polk's City Directory