

**CAIRO BRIDGE
WV 31 OVER NORTH FORK HUGHES RIVER
TOWN OF CAIRO
RITCHIE COUNTY, WEST VIRGINIA**

**PHASE I ENVIRONMENTAL SITE
ASSESSMENT REPORT**

Prepared for:

**WEST VIRGINIA DIVISION OF HIGHWAYS
ENGINEERING DIVISION**

Prepared by:



**SKELLY and LOY, Inc.
Engineers-Consultants
Morgantown, WV**

JANUARY 2017

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January 27, 2017

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ENGINEERING DIVISION**

January 2017

Prepared By:



Jason T. McCabe
Geo-Environmental Project Manager

Reviewed By:



Daniel J. Davis, CEM, CES
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1.0 INTRODUCTION

1.0 INTRODUCTION

Skelly and Loy, Inc. performed a Phase I Environmental Site Assessment (ESA) for the West Virginia Division of Highways for the Cairo Bridge, located on West Virginia (WV) 31 in Cairo, Ritchie County, West Virginia (study area). Figure 1 presents the project location. The Phase I ESA was completed in general conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-13⁽¹⁾ – with the exception of an environmental lien search – and other pertinent industry standards with regards to transportation projects.


The purpose of a Phase I ESA is to identify recognized environmental conditions (RECs) that could affect construction activities and/or property use and value. In addition, the purpose of a Phase I ESA is to identify, early in the process, all properties that contain regulated substances which could affect construction procedures or environmental liability. These conditions may include hazardous and non-hazardous waste generation, storage, and disposal; the existence of point and non-point source discharges; aboveground storage tanks (ASTs); underground storage tanks (USTs); and uncontrolled releases of environmentally sensitive materials. An environmental assessment cannot completely eliminate uncertainty relating to potential RECs associated with a property; rather, the intent of the Phase I ESA is to reduce this uncertainty.

This Phase I ESA consisted of the following tasks: records review, interviews, and site reconnaissance. The Phase I ESA involved a detailed evaluation of present and past land usage of the properties located within and adjacent to the study area, a public records review, interviews with knowledgeable persons, and a field assessment. The information gathered during these efforts will be utilized to assess the impacts to the transportation development project and recommend further specific action(s). The records reviewed included federal and state databases, United States Environmental Protection Agency (USEPA) records, West Virginia Department of Environmental Protection (WVDEP) records, a United States Geological Survey (USGS) topographic map, a soils map, a geologic map, Sanborn[®] Fire Insurance Maps, and historical aerial photographs.

The project involves replacing the existing WV 31 bridge over North Fork Hughes River. There will be some approach work. The anticipated limit of work boundary is shown on Figure 2. The coordinates for the approximate project center are N39°12'35.37" and W81°9'32.15", and the limit of work area is approximately 600 feet by 150 feet.



LEGEND

 PROJECT LOCATION

SOURCE: USGS QUAD. SHEET-CAIRO, WV 1977

0 720m
0 2,000' 4,000'

WEST VIRGINIA DIVISION OF HIGHWAYS

CAIRO BRIDGE
WV 31 OVER NORTH FORK HUGHES RIVER
TOWN OF CAIRO
RITCHIE COUNTY

PROJECT LOCATION

FIGURE - 1

SKELLY and LOY Inc.
CONSULTANTS IN
ENVIRONMENT - ENERGY
ENGINEERING - PLANNING



WEST VIRGINIA DIVISION OF HIGHWAYS
 CAIRO BRIDGE
 WV 31 OVER NORTH FORK HUGHES RIVER
 TOWN OF CAIRO
 RITCHIE COUNTY

STUDY AREA

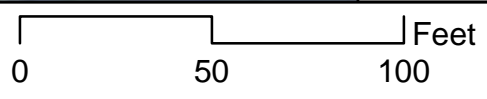
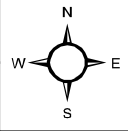


FIGURE - 2

SKELLY and LOY Inc.
 CONSULTANTS IN
 ENVIRONMENT - ENERGY
 ENGINEERING - PLANNING



The site reconnaissance generally focused on properties within the study area and limits of work as identified in Figure 2. The information obtained during these efforts is summarized in this report.



2.0 PROJECT DESCRIPTION

2.0 PROJECT DESCRIPTION

Skelly and Loy personnel completed a Phase I ESA for the Cairo Bridge project, located on WV 31 in Cairo, Ritchie County, West Virginia. The Phase I ESA included a visual inspection of the Cairo Bridge, built in 1925, and adjacent parcels which may be impacted by the preferred alternative bridge design (see Figure 2). The area surrounding the study area is primarily comprised of commercial properties, private businesses, and storage areas/garages.

The purpose of this Phase I ESA is to identify RECs that could affect construction activities and/or property use and value within the study area. The information obtained during these efforts is summarized in this report.

3.0 RECORDS REVIEW

3.0 RECORDS REVIEW

Skelly and Loy completed a Phase I ESA of the study area. Research efforts included a review of federal and state environmental lists, USEPA databases, physical setting sources, aerial photographs, and Sanborn[®] Fire Insurance Maps. The purpose of the background review is to obtain information to evaluate any documented environmental concerns associated with the study area. Knowledgeable persons were also contacted regarding the local area. Skelly and Loy has relied on information obtained from sources (i.e., listing review information, state agency records, knowledgeable persons, former reports, etc.) as being correct. Every effort has been made to review the reasonably ascertainable information from these standard sources. However, Skelly and Loy assumes no responsibility for omissions or inaccuracies contained in these sources. The information obtained from these standard sources is described further in this report. Additionally, a completed Phase I Checklist identifying specific sources of information is included in Appendix A.

3.1 Environmental Database Review

The environmental listings review for the study area included a review of available USEPA Region III databases and the solid and hazardous waste databases available from WVDEP. This information was obtained from Environmental Data Resources Inc. (EDR), The EDR Radius Map[™] Report with GeoCheck[®], dated July 11, 2016⁽²⁾. A copy of the EDR report is included in Appendix B. In addition to other state and local agency databases, the search primarily included records from the following federal databases:

- National Priority List (NPL)
- Proposed National Priority List (Proposed NPL)
- Federal Superfund Liens (NPL LIENS)
- National Priority List Deletions (Delisted NPL)
- Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS)
- Federal Facility Site Information Listing (FEDERAL FACILITY)
- CERCLIS No Further Remedial Action Planned (CERC-NFRAP)
- Corrective Action Report (CORRACTS)
- Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal Facilities (RCRA-TSDF)
- RCRA Large Quantity Generators (RCRA-LQG)
- RCRA Small Quantity Generators (RCRA-SQG)
- RCRA Conditionally Exempt Small Quantity Generators (RCRA-CESQG)
- Engineering Controls Sites List (US ENG CONTROLS)

- Sites with Institutional Controls (US INST CONTROL)
- Land Use Control Information System (LUCIS)
- Emergency Response Notification System (ERNS)

Although there were no mapped sites identified within the EDR report, there were five records identified that could not be mapped due to inadequate information. One of the five sites is “The Filling Station” with an address of 59 Main Street, Cairo, WV, which is the gasoline station located to the north of the project study area. This site is identified within the Leaking Underground Storage Tank (LUST), UST, and Financial Assurance databases, according to EDR. This was supported through further investigation on the WVDEP website. According to the WVDEP LUST database, cleanup at the site was initiated in December 1992 and cleanup was completed in February 2003.

There were no orphan sites identified within the ASTM recommended search radius.

3.2 Agency Records Review

Skelly and Loy conducted a review of available regulatory databases available online to assess the study area for evidence of spills or releases of hazardous materials or petroleum.

USEPA Region III Database Review

A review of the USEPA Region III databases was performed on December 16, 2016, *via* the USEPA Envirofacts website. No sites were identified within the study area.

WVDEP Database Review

A review of the WVDEP databases was performed on December 16, 2016, *via* the WVDEP, Water and Waste division website. There were six sites identified in the search for Cairo, Ritchie County; however, none were identified to be within the study area.

A WVDEP file review was not conducted as it was not warranted, based upon the EDR report and the online search results.

3.3 Physical Setting Sources

Physical setting of the study area sources reviewed included The EDR Radius Map™ Report with Geocheck®(2) and a Federal Emergency Management (FEMA) flood map. Site conditions are summarized as follows:

- Site Elevation: According to the EDR Radius Map™ Report with Geocheck®, the center of the study area is relatively flat and approximately 661 feet above mean sea level (amsl).
- Soil Type/Condition: According to the EDR Radius Map™ Report with Geocheck®, the soils in the study area predominantly consist of silt loam. These soils are moderately well drained and have slow infiltration rates.
- Geology/Geologic Features: The study area is identified as being in the Paleozoic era, Pennsylvanian system, Virgilian series. The geologic category is described as comprised of stratified sequences.
- Well Search Information: No water supply wells were identified within the limits of work. According to the federal and state well database information provided by EDR, the nearest public water supply (PWS) wells are located outside of a one mile radius from the study area. The nearest oil/gas wells on the state databases are Well IDs WVOG11000131109 (located approximately 1/8 mile west-southwest of the limits of work) and WVOG11000127071 (located approximately 1/8 mile east-northeast of the study area).
- National Wetland Inventory (NWI) Map: According to EDR, no NWI wetlands are mapped within the study area. Additionally, a wetland identification and delineation study conducted by Skelly and Loy determined there are no wetlands within the study area.
- Flood Zone Map: According to EDR, the study area is not located within a 100-year or 500-year flood zone. However, a review of the FEMA flood maps online indicate that a large portion of the study area lies within the 100-year flood zone (www.fema.gov, FIRM Ritchie County, West Virginia and Incorporated Areas, Panel 158 of 375).

3.4 Historical Use Information

In order to evaluate the previous land uses of the site, available historical documents, including aerial photographs and Sanborn® Fire Insurance Maps, were reviewed.

Aerial Photographs

Historical aerial photography was reviewed to determine past land usage of the study area. Photographs dated 1957, 1962, 1996, 2007, 2009, and 2011 were available. These photographs were obtained from the EDR Aerial Photo Decade Package⁽³⁾. Some of the photographs were difficult to review due to their scale and quality. Copies of the photographs reviewed are included in Appendix C, and land use observations are summarized as follows.

- 1957 Due to the scale and quality of the aerial photograph, specific details about the study area could not be determined. However, North Fork Hughes River can be seen passing through the study area. Structures can be seen to the east of the study area but specific details cannot be determined. The surrounding area consists mostly of wooded areas with cleared areas to the west and north of the study area.
- 1962 Appears to be similar to the 1957 aerial photograph. Structures to the south and east of the study can be seen in increased detail in the aerial. Additional structures have been constructed to the northwest of the study area along WV 31. A railway runs from southwest of the site to northeast of the site, passing south of the study area.
- 1996 Additional structures appear south-southwest of the study area. Two small structures appear in the cleared area to the west of the study area. Pathways can be seen running through the cleared area to the west of the study area. Additional structures appear to the northeast of the bridge site.
- 2007 Appears similar to the 1996 aerial photograph.
- 2009 Appears similar to the 2007 aerial photograph.
- 2011 Appears similar to the 2011 aerial photograph.

Sanborn® Fire Insurance Maps

The Certified Sanborn® Map Report⁽⁴⁾ provided by EDR indicated that coverage was not available for the study area. Documentation for the lack of coverage can be found in Appendix D.

3.5 Interviews

Persons knowledgeable of the history of the study area were contacted to obtain additional information regarding the study area and surrounding area. The interviews are summarized below and provided in Appendix E:

- **Mr. Gary Haugh, Mayor, Town of Cairo (PO Box 162, Cairo, WV)**, was interviewed on July 21, 2016 by Skelly and Loy personnel. Mr. Haugh has been a longtime resident of Cairo and was very familiar with the relative conditions of properties/areas throughout the town, including the area around the bridge. He was not aware of any outstanding environmental conditions or spills/leaks/incidents that would have required response by emergency personnel. He stated that the area immediately adjacent to the eastern abutment used to serve as the town prison many, many years ago and had been removed a long time ago. He stated the vacant gravel lot adjacent to the bridge's northeast abutment was former residential housing that was demolished several years ago and now serves as a parking lot for the nearby church.
- **Mr. Pete Haga, Operator at The Filling Station (59 Main Street, Cairo, WV)** was interviewed on July 21, 2016 by Skelly and Loy personnel. Mr. Haga has pretty much been a lifelong resident of Cairo and has operated The Filling Station for approximately the past 20 years. He stated that there were no ongoing issues, violations, or permit problems associated with The Filling Station and that the WVDEP tank inspectors have commended him in the past for the excellent condition of his USTs. Although the site formerly served as an auto repair facility, The Filling Station hasn't operated as a repair facility for about 20 years, since he started working there. Mr. Haga stated that he stores/sells two types of unleaded gasoline, diesel, and dyed (off-road) diesel at the site. The dyed diesel is stored and dispensed from an AST located outside, on the north side of the building. He was not aware of any spills, ongoing/past environmental issues, or incidents that required remediation or notification of emergency response personnel.

Although other residents/occupants were not available at the time of the site reconnaissance, attempts were made by Skelly and Loy personnel to interview the owner/occupant at the following address:

- Night Owl Oil, WV 31, Cairo, WV (no physical address found; located across WV 31 from The Filling Station)

4.0 SITE RECONNAISSANCE

4.0 SITE RECONNAISSANCE

On July 21, 2016, Skelly and Loy personnel completed a site reconnaissance of the study area to identify potential RECs. The site reconnaissance focused on identifying potential areas of concern including, but not limited to, the following:

- USTs;
- ASTs;
- Storage, handling, and disposal of hazardous substances;
- Waste disposal areas;
- Stained soils, gravel, or pavement;
- Air emission sources;
- Electrical transformers;
- Odors;
- Railroad tracks;
- Collection ponds;
- Discolored water/seeps/discharges;
- Stressed vegetation; and
- Other potential areas of concern.

The study area was viewed from all adjacent thoroughfares starting at the eastern end of the study area and continuing across the bridge, to the northwestern portion of the study area. The study area was accessed directly from WV 31.

The study area is relatively level at each end of the bridge with very steep river side slopes from past river scouring. The study area is generally bound on all sides by commercial properties, private businesses, and open space/garage storage areas, with the North Fork Hughes River flowing in a southern direction through the center.

The site reconnaissance focused on the property frontages and only a cursory review of the exterior of nearby residences was completed. General housekeeping of the occupied properties was good. The property immediately northwest of the study area, identified as Night Owl Oil, contained various pieces of machinery, rusted metal, and industrial parts. Multiple attempts to interview the owner of the property were unsuccessful.

Other areas inspected within the project vicinity included the area near each existing bridge abutment. Both bridge abutments, and the areas immediately adjacent to them, appear clean with no staining or signs of leaks/spills. The abutment on the eastern side of the river is near the location of a former 1900's prison where a few remnants of building foundations remain. The area adjacent to the bridge's western abutment is primarily non-maintained with extreme growth of Japanese knotweed (waterweed) on one side and mowed/maintained on the

other side where it is used for outdoor storage of construction materials by Cairo public works. This area also contains some pile of concrete rubble, presumably to be used by the Cairo maintenance department for future clean fill.

No visible odors were observed during the site visit. Photographs taken during the site reconnaissance are included in Appendix F. Additional information observed during the site reconnaissance is summarized in the following sections.

4.1 Hazardous Substances/Materials

Hazardous substances were not quantifiably observed within or near the study area. However, provided the age of the Cairo Bridge (built in 1925) and the presence of flaking paint upon the bridge, lead based paint (LBP) may have been used on the bridge during its lifespan.

4.2 Underground Storage Tanks (UST)

A UST was observed within the study area, specifically at The Filling Station within the northernmost part of the proposed detour and temporary crossing as identified on Figure 2. The Filling Station has a multi-cavity, single UST that stores unleaded gasoline and diesel. According to the facility operator, all necessary UST permits are in compliance and there are no issues with the tank.

4.3 Aboveground Storage Tanks (AST)

An AST was identified outside of The Filling Station. When questioned regarding the AST, the facility operator stated that it was a double walled, steel tank used as storage for dyed (or off-road) diesel fuel. A dispenser for the tank is immediately adjacent to the tank and positively identifies its use as such. There was very minimal staining on the concrete around the tank and there was no evidence of significant spills or leaks.

4.4 Indicators of PCBs and Mercury

No indicators of PCBs or mercury were observed within or near the study area.

4.5 Indicators of Solid Waste Disposal

Solid waste disposal was generally not observed within the study area.

4.6 Discharges

No discharges were identified within the study area during the site reconnaissance.

5.0 INVESTIGATION RESULTS

5.0 INVESTIGATION RESULTS

Skelly and Loy completed a Phase I ESA to evaluate the potential environmental concerns associated with the Cairo Bridge project, located in Cairo, Ritchie County, West Virginia. The Phase I ESA was completed in general conformance with the scope and limitations of ASTM Practice E 1527-13⁽¹⁾ – with the exception of an environmental lien search – and other pertinent industry standards with regards to transportation projects. The investigation included background research of the study area in conjunction with a site reconnaissance. The information obtained and field inspection conducted during these efforts identified the following two RECs.

The Filling Station (59 Main Street) – Currently maintains one UST (which stores regular, premium, and diesel fuel), one off-road diesel AST, and was identified as a facility on the WVDEP's LUST Facilities List. The site has operated as either a gasoline filling station and/or a vehicle repair shop for many decades. There exists a discrepancy as to the interview conducted with Mr. Haga and the findings of the online database investigation. In Skelly and Loy's experience, property owners'/operators' statements that conflict with regulatory databases is not uncommon and may happen for a variety of reasons including the fact that the current operator, Mr. Haga, may not have been associated with the LUST remediation. Taking this into account, Skelly and Loy typically assumes that information collected from regulatory agencies is usually more accurate than personal interviews. Accordingly, due to the potential for remaining residual contamination as a result of the LUST and the past land use at the site, this facility has been identified as a REC.

Cairo Bridge – Because of the age of the bridge – built in 1925 – and the presence of flaking paint on the bridge observed during the site reconnaissance, there is a high likelihood that LBP was used and may still be present upon the bridge. Although the USEPA and U.S. Department of Housing and Urban Development (HUD) identify all housing/structures constructed prior to 1978 as “possibly containing LBP,” LBP is found more often is pre-1950s housing/structures. For this reason, the flaking paint observed upon the bridge has been identified as a REC.

6.0 RECOMMENDATIONS

6.0 RECOMMENDATIONS

Skelly and Loy recommends the following actions, based on the information obtained during this Phase I ESA:

- Although The Filling Station site is a historic LUST site, the cleanup for the site was completed in 2003. And with groundwater direction likely flowing towards the river and away from the project study area, the potential for subsurface contamination within the study area is deemed unlikely. Additionally, proposed work activities near the facility are not anticipated to result in deep excavations or interception of the groundwater table. For these reasons, Skelly and Loy does not recommend further action be taken to investigate this area.
- As stated in Section 5.0 – Investigation Results, LBP has been identified as possibly being present upon the Cairo Bridge. The presence of LBP during demolition activities could present a significant hazard for construction workers and, if released into the air, the general population/adjacent properties. For this reason, Skelly and Loy recommends a LBP inspection of the bridge be completed prior to initiation of bridge demolition. Additionally, the inspection should be carried out in a timely manner so that either a.) mitigation efforts for positively identified LBP can be completed prior to construction; or b.) inspection findings and mitigation recommendations can be incorporated into the bridge replacement construction documents prior to public placement for bidding.
- Any culverts, bridge fixtures/associated appurtenances, residential or commercial properties, and other structures (gas sheds, pipelines, etc.) that may be impacted by this project may require an asbestos inspection prior to demolition activities.

7.0 REMARKS

7.0 REMARKS

The scope of this report is limited to the matters expressly covered. This report has been prepared for and is intended for the exclusive use of the West Virginia Division of Highways and may not be relied on by any other person or entity without the written authorization of Skelly and Loy or its clients.

In preparing this report, Skelly and Loy has relied, in part, on information derived from secondary sources. Except as set forth in this report, Skelly and Loy has made no independent investigation as to the accuracy or completeness of the information derived from the secondary sources and has assumed that such information is accurate and correct.

Skelly and Loy's findings are based on and have been developed in accordance with generally accepted standards of environmental site evaluation, scientific principles, and professional judgment with resultant subjective interpretations. Professional judgments expressed herein are based on the facts currently available within the limits of existing data, scope of work, budget, and schedule. The findings are relevant for the date of our site visit and should not be relied on to represent conditions at a later date.

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR Part 312 and we have the specific qualifications based on education, training, and experience to assess properties of the nature, history, and setting of the subject properties. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



8.0 BIBLIOGRAPHY

8.0 BIBLIOGRAPHY

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, American Society for Testing and Materials Practice E 1527-13, Updated 2013.
2. The EDR Radius Map™ Report with GeoCheck®, Environmental Data Resources Inc., July 11, 2016.
3. The EDR Aerial Photo Decade Package, Environmental Data Resources Inc., July 11, 2016.
4. The EDR Certified Sanborn® Map Report, Environmental Data Resources Inc., July 11, 2016.



9.0 PROJECT TEAM

9.0 PROJECT TEAM

Jason T. McCabe – Geo-Environmental Project Manager
B.S., Geology - 13 years of experience

Daniel J. Davis, CEM, CES - Geo-Environmental Program Manager
B.S. Biology - 27 years of experience

10.0 ACRONYMS

10.0 ACRONYMS

ACT 2-DEED	Act 2-Deed Acknowledgment Sites
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Index System
CESQG	Conditionally Exempt Small Quantity Generator
CONSENT	Superfund Consent Decrees
CORRACT	Corrective Action Report
Delisted NPL	NPL Deletions
DOD	Department of Defense
eFACTS	Environmental, Facility, Application, Compliance Tracking System
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FFTS	FIFRA/TSCA Tracking System
FIFRA	Federal, Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
HMIRS	Hazardous Materials Information Reporting System
HSCA	Hazardous Sites Cleanup Act
ICIS	Integrated Compliance Information System
LAST	Storage Tank Release Sites
LD	Limit of Disturbance
LQG	Large Quantity Generator
LUCIS	Land Use Control Information System
LUST	Leaking Underground Storage Tank
MSL	Mean Sea Level
NFRAP	No Further Remedial Action Planned
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
ODI	Open Dump Inventory
PADEP	Pennsylvania Department of Environmental Protection
PADER	Pennsylvania Department of Environmental Resources
PADS	PCB Activity Database System
PAPL	Pennsylvania Priority List
PCB	Polychlorinated Biphenyl
PennDOT	Pennsylvania Department of Transportation
PRP	Potentially Responsible Parties
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Act Information System

RECs	Recognized Environmental Conditions
ROD	Record of Decision
ROW	Right-of-Way
SFHA	Special Flood Hazard Area
SHS	Statewide Health Standard
SQG	Small Quantity Generator
S.R.	State Route
SSTS	Section 7 Tracking Systems
SWF/LF	Solid Waste Facilities/Landfills
TSD	Treatment, Storage, and Disposal
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substance Control Act
UIC	Underground Injection Wells
UMTRA	Uranium Mill Tailings Sites
U.S.	United States
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Sites
WSE	Waste Site Evaluation

APPENDICES

APPENDIX A

Phase I Checklist

RECOMMENDED PHASE I CHECKLIST

RECORDS REVIEW

Item	Date Completed/ Reviewed	Initials
Federal NPL site list	7/12/14	JTM
Facilities Index System (FINDS)	↓	↓
Federal CERCLIS list		
Federal RCRA TSD facilities list <i>(optional)</i>		
Federal RCRA generators list <i>(optional)</i>		
Federal ERNS list <i>(optional)</i>		
PA Priority list		
PA Operating Municipal Waste Landfills list		
PA Solid Waste Inventory		
PA Hazardous Waste Inventory		
DEP registered UST list <i>(optional)</i>		
DEP leaking UST list	↓	↓
Regional DEP site records		
• Contaminated sites	12/16/16	JTM
• Remediation projects (former, ongoing and planned)	↓	↓
• Emergency release reports (SARA § 304)	↓	↓
• Well and groundwater contamination records	↓	↓
Physical setting sources		
• USGS 7.5 minute topographical maps	7/12/16	JTM
• Soil survey	↓	↓
• Groundwater maps <i>(optional)</i>	↓	↓
• Bedrock geology maps <i>(optional)</i>	↓	↓
• Surficial geology maps <i>(optional)</i>	↓	↓

Item	Date Completed/ Reviewed	Initials
RECORDS REVIEW (continued)		
Historical use information		
• Aerial/historic photographs	7/12/16	JTM
• Fire insurance maps (e.g. Sanborn Maps)	↓	↓
• Property tax files	—————	
• Recorded land titles	—————	
• Environmental Covenants	7/12/16	JTM
• Local street directories	—————	
• Local building department records	—————	
• Zoning/land use records	—————	
Site Reconnaissance		
General site setting		
• Present site usage	7/21/16	JTM
• Past site usage	↓	↓
• Adjoining properties		
• Surrounding area utilization		
Geologic, hydrogeologic, hydrologic and topographical conditions		
Structures and installations	↓	↓
Roadways and rights-of-way		
Observations		
• Hazardous substances or petroleum products	7/21/16	JTM
• Storage tanks (both USTs and ASTs)	↓	↓
• Odors		
• Pools of liquid		

Item	Date Completed/ Reviewed	Initials
Site Reconnaissance (continued)		
• Drums/containers (check labels, if any)	7/21/16	JTM
• Asbestos, PCBs or Lead	↓	↓
• Stains or corrosion on soils or pavement		
• Stressed vegetation		
• Solid waste		
• Drains, sumps, pits, ponds or lagoons		
• Wastewater or other discharge		
• Wells or septic systems		
• Airborne emissions		
Interviews		
Owners, occupants, neighbors	7/21/16	JTM
Regional officials		
• US EPA Region III	Online	
• DEP Waste Management Program	Online	
• DEP Water Quality - Storage Tank Program	Online	
• Emergency response/HAZMAT	_____	_____
• Local Sewer Authority (optional)	_____	_____
• Fire Department (optional)	_____	_____
• Zoning officer (optional)	_____	_____
• Police Department (optional)	_____	_____
• Building inspector (optional)	_____	_____
• Historical Society (optional)	_____	_____
• Municipal officials (optional)	_____	_____
• PennDOT employees (optional)	_____	_____

APPENDIX B

The EDR Radius Map™ Report with GeoCheck®

Cairo Bridge

Route 31

Cairo, WV 26337

Inquiry Number: 4670372.2s

July 11, 2016

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

ROUTE 31
CAIRO, WV 26337

COORDINATES

Latitude (North): 39.2098250 - 39° 12' 35.37"
Longitude (West): 81.1589310 - 81° 9' 32.15"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 486278.3
UTM Y (Meters): 4339865.0
Elevation: 661 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6010300 CAIRO, WV
Version Date: 2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140816
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
ROUTE 31
CAIRO, WV 26337

Click on Map ID to see full detail.

<u>MAP ID</u>	<u>SITE NAME</u>	<u>ADDRESS</u>	<u>DATABASE ACRONYMS</u>	<u>RELATIVE ELEVATION</u>	<u>DIST (ft. & mi.) DIRECTION</u>
---------------	------------------	----------------	--------------------------	---------------------------	---

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

SWF/LF..... List of M.S.W. Landfills/Transfer Station Listing

LCP..... Landfill Closure Program

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Underground Storage Tank Database

AST..... Aboveground Storage Tanks

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

State and tribal institutional control / engineering control registries

INST CONTROL..... Sites with Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Remediation Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

CDL..... Drug Lab Site Locations
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills Listing

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
AIRS..... Permitted Facility and Emissions Listing
COAL ASH..... Coal Ash Landfills
DRYCLEANERS..... Listing of Drycleaner Locations
Financial Assurance..... Financial Assurance Information Listing
NPDES..... Wastewater Discharge Permits Listing
UIC..... Underground Injection Wells

EXECUTIVE SUMMARY

FUELS PROGRAM..... EPA Fuels Program Registered Listing
ECHO..... Enforcement & Compliance History Information

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historic Gas Stations
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

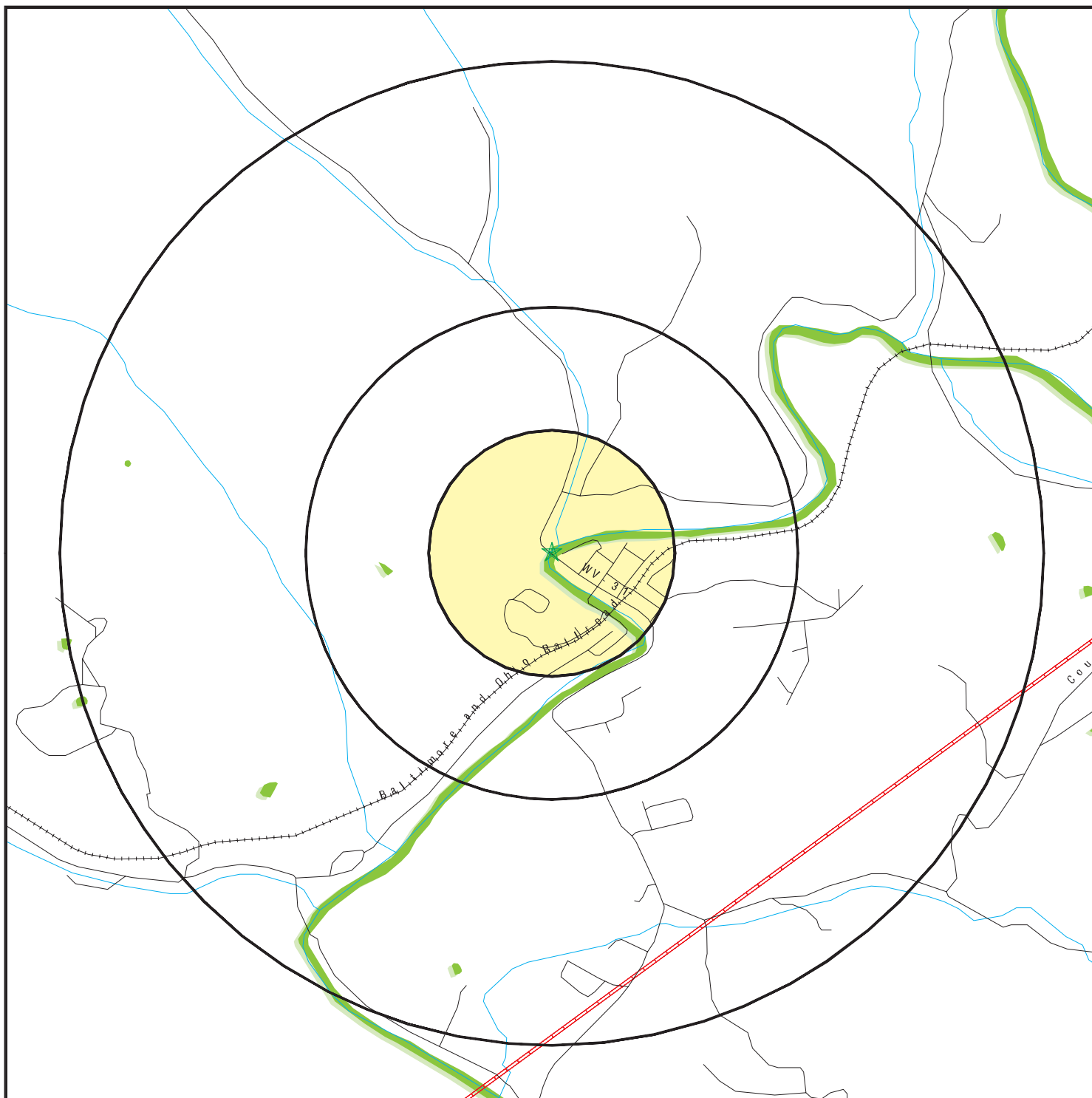
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
THE FILLING STATION LLC	LUST, UST, Financial Assurance
CAIRO TOWN OF	NPDES
CAIRO MARBLE PLANT	SEMS-ARCHIVE
RALPH D JACKSON	LUST, UST
CAIRO SERVICE CENTER	RGA LUST

OVERVIEW MAP - 4670372.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

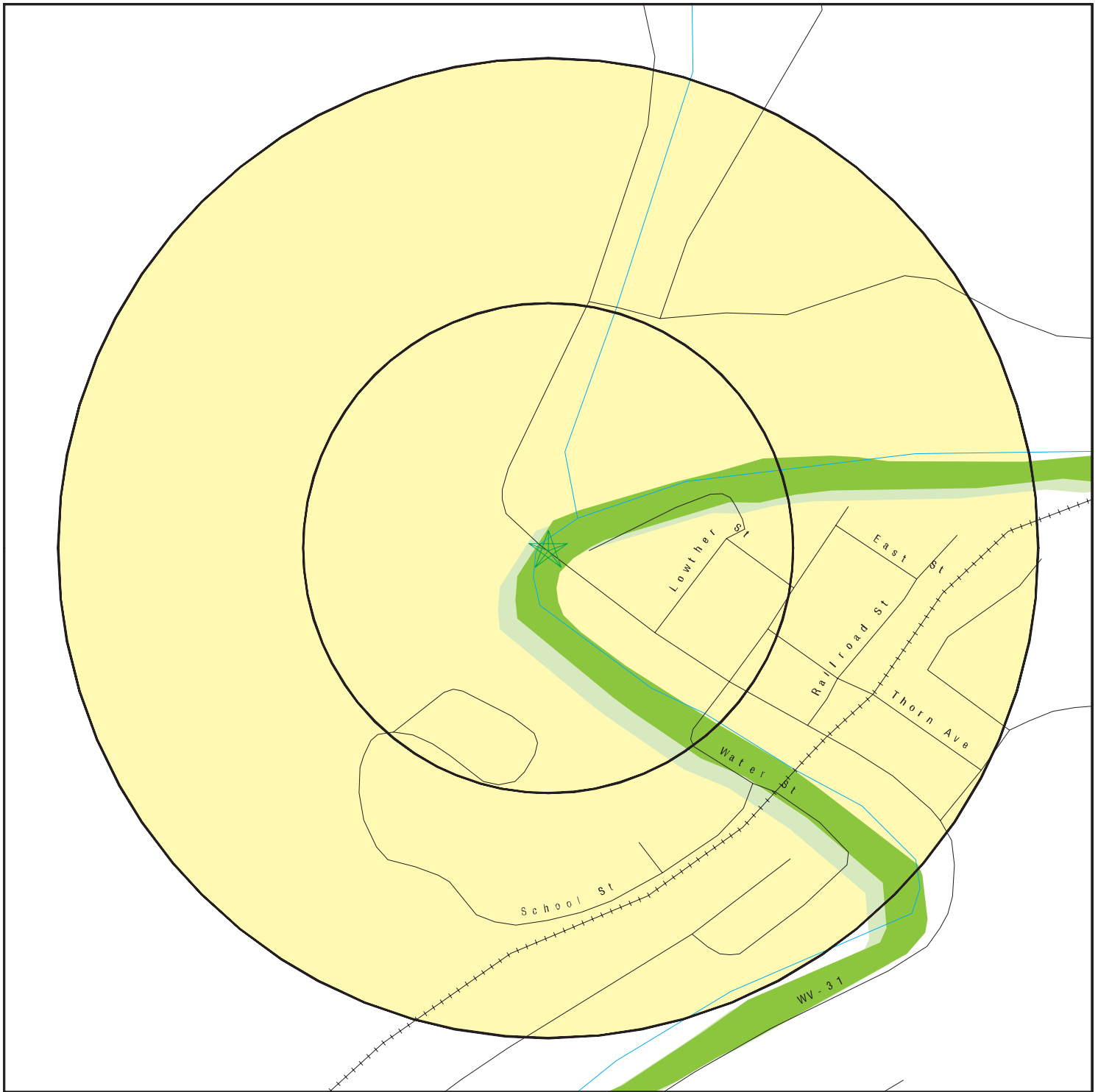
- Indian Reservations BIA
- Pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cairo Bridge
 ADDRESS: Route 31
 Cairo WV 26337
 LAT/LONG: 39.209825 / 81.158931

CLIENT: Skelly and Loy, Inc.
 CONTACT: Jason Mccabe
 INQUIRY #: 4670372.2s
 DATE: July 11, 2016 7:02 pm

DETAIL MAP - 4670372.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- National Wetland Inventory
- State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Cairo Bridge
 ADDRESS: Route 31
 Cairo WV 26337
 LAT/LONG: 39.209825 / 81.158931

CLIENT: Skelly and Loy, Inc.
 CONTACT: Jason Mccabe
 INQUIRY #: 4670372.2s
 DATE: July 11, 2016 7:08 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
LCP	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals -- 0 0 0 0 0 0 0 0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CAIRO	S116364618	CAIRO SERVICE CENTER	RT 31		RGA LUST
CAIRO	S108840454	CAIRO TOWN OF	ROUTE 31 SOUTH	26337	NPDES
CAIRO	U003771310	RALPH D JACKSON	RT 31		LUST, UST
CAIRO	U003771260	THE FILLING STATION LLC	59 MAIN STREET	26337	LUST, UST, Financial Assurance
CAIRO	1003866755	CAIRO MARBLE PLANT	RAILROAD AND THORNE AVENUE	26337	SEMS-ARCHIVE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/13/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2016	Telephone: 703-603-8704
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 07/06/2016
Number of Days to Update: 135	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 04/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 05/16/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 03/30/2016

Telephone: 202-267-2180

Date Made Active in Reports: 05/20/2016

Last EDR Contact: 06/28/2016

Number of Days to Update: 51

Next Scheduled EDR Contact: 10/10/2016

Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A

Source: Department of Environmental Protection

Date Data Arrived at EDR: N/A

Telephone: 304-926-0455

Date Made Active in Reports: N/A

Last EDR Contact: 05/20/2016

Number of Days to Update: N/A

Next Scheduled EDR Contact: 09/05/2016

Data Release Frequency: N/A

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

SWF/LF: List of M.S.W. Landfills/Transfer Station Listing

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

Date of Government Version: 01/06/2016

Source: Division of Environmental Protection

Date Data Arrived at EDR: 01/12/2016

Telephone: 304-926-0499

Date Made Active in Reports: 03/08/2016

Last EDR Contact: 06/27/2016

Number of Days to Update: 56

Next Scheduled EDR Contact: 10/10/2016

Data Release Frequency: Varies

LCP: Landfill Closure Program

The WV DEP's LCAP aids the owners/permittees of landfills that were required to cease operations because of certain statutory closure deadlines for non-composite lined facilities

Date of Government Version: 12/31/2015

Source: Department of Environmental Protection

Date Data Arrived at EDR: 03/18/2016

Telephone: 304-926-0499

Date Made Active in Reports: 04/15/2016

Last EDR Contact: 06/06/2016

Number of Days to Update: 28

Next Scheduled EDR Contact: 09/19/2016

Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

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

Date of Government Version: 12/28/2015

Source: Division of Environmental Protection

Date Data Arrived at EDR: 03/03/2016

Telephone: 304-926-0455

Date Made Active in Reports: 04/15/2016

Last EDR Contact: 06/02/2016

Number of Days to Update: 43

Next Scheduled EDR Contact: 09/12/2016

Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/07/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Varies

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

Date of Government Version: 03/02/2016	Source: Division of Environmental Protection
Date Data Arrived at EDR: 03/03/2016	Telephone: 304-926-0495
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Annually

AST: Aboveground Storage Tanks
A listing of aboveground storage tank site locations.

Date of Government Version: 01/25/2016	Source: DEP
Date Data Arrived at EDR: 01/28/2016	Telephone: 304-926-0499
Date Made Active in Reports: 03/08/2016	Last EDR Contact: 04/25/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/29/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 04/29/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 04/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls
Sites that have institutional controls in place.

Date of Government Version: 01/20/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/26/2016	Telephone: 304-558-2508
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/23/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Sites
Sites involved in the Voluntary Remediation Program.

Date of Government Version: 01/20/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/26/2016	Telephone: 304-558-2745
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/23/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/01/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 05/14/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/05/2013	Telephone: 304-926-0455
Date Made Active in Reports: 08/15/2013	Last EDR Contact: 07/01/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/27/2016
Next Scheduled EDR Contact: 08/15/2016
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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/21/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/18/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 88

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

CDL: Drug Lab Site Locations

A listing of clandestine drug lab site locations.

Date of Government Version: 04/08/2016
Date Data Arrived at EDR: 04/13/2016
Date Made Active in Reports: 06/14/2016
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 304-926-0499
Last EDR Contact: 04/13/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2016
Date Data Arrived at EDR: 03/07/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 88

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/26/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

SPILLS: Spills Listing

A listing of spills and releases reported to the Office of Emergency Services, they do not include any TRI information.

Date of Government Version: 04/12/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/14/2016
Number of Days to Update: 46

Source: Office of Emergency Services
Telephone: 304-558-5380
Last EDR Contact: 04/25/2016
Next Scheduled EDR Contact: 08/08/2016
Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
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: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/15/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/15/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/20/2016
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/18/2016
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/09/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 05/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 06/24/2016
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 11/24/2015	Telephone: 202-566-0250
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/24/2016
Number of Days to Update: 133	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Annually

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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 06/07/2016
Number of Days to Update: 74	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 04/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 05/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/22/2016
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/25/2016
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 07/07/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/20/2016
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/18/2016	Telephone: 301-415-7169
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 05/06/2016
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/09/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/10/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/26/2016
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/04/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/24/2016
Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/15/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016	Source: Department of Energy
Date Data Arrived at EDR: 03/15/2016	Telephone: 202-586-3559
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 05/09/2016
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/22/2016
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/23/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/07/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/18/2016
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

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: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 03/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

AIRS: Permitted Facility and Emissions Listing

Permitted facility and emissions information listing.

Date of Government Version: 03/31/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/03/2016	Telephone: 304-926-0499
Date Made Active in Reports: 06/14/2016	Last EDR Contact: 04/25/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/08/2016
	Data Release Frequency: Varies

COAL ASH: Coal Ash Landfills

A listing of coal ash landfill site locations.

Date of Government Version: 11/20/2015	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/14/2016	Telephone: 304-926-0499
Date Made Active in Reports: 06/15/2016	Last EDR Contact: 04/11/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/25/2016
	Data Release Frequency: Varies

DRYCLEANERS: Listing of Drycleaner Locations

A listing of drycleaners which use perchloroethylene.

Date of Government Version: 05/19/2015	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/22/2015	Telephone: 304-926-0475
Date Made Active in Reports: 07/20/2015	Last EDR Contact: 05/16/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/29/2016
	Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/05/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/07/2013	Telephone: 304-926-0499
Date Made Active in Reports: 04/05/2013	Last EDR Contact: 05/31/2016
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

NPDES: Wastewater Discharge Permits Listing

A listing of wastewater discharge permits.

Date of Government Version: 01/21/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/26/2016	Telephone: 304-926-0495
Date Made Active in Reports: 03/08/2016	Last EDR Contact: 05/16/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/01/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 04/25/2016	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/28/2016	Telephone: 304-926-0499
Date Made Active in Reports: 06/15/2016	Last EDR Contact: 01/28/2016
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-564-2280
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 06/22/2016
Number of Days to Update: 103	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/22/2016	Source: EPA
Date Data Arrived at EDR: 02/24/2016	Telephone: 800-385-6164
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 05/25/2016
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/05/2016
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive 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. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Division of Environmental Protection in West Virginia.

Date of Government Version: N/A	Source: Division of Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/20/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 203	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Division of Environmental Protection in West Virginia.

Date of Government Version: N/A	Source: Division of Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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.

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/17/2015	Telephone: N/A
Date Made Active in Reports: 08/12/2015	Last EDR Contact: 04/12/2016
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/25/2016
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2016
Next Scheduled EDR Contact: 08/15/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2016
Next Scheduled EDR Contact: 08/01/2016
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/06/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Day Care Center List

Source: Office of Social Services

Telephone: 304-558-7980

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CAIRO BRIDGE
ROUTE 31
CAIRO, WV 26337

TARGET PROPERTY COORDINATES

Latitude (North):	39.209825 - 39° 12' 35.37"
Longitude (West):	81.158931 - 81° 9' 32.15"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	486278.3
UTM Y (Meters):	4339865.0
Elevation:	661 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6010300 CAIRO, WV
Version Date:	2014

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 principal 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).

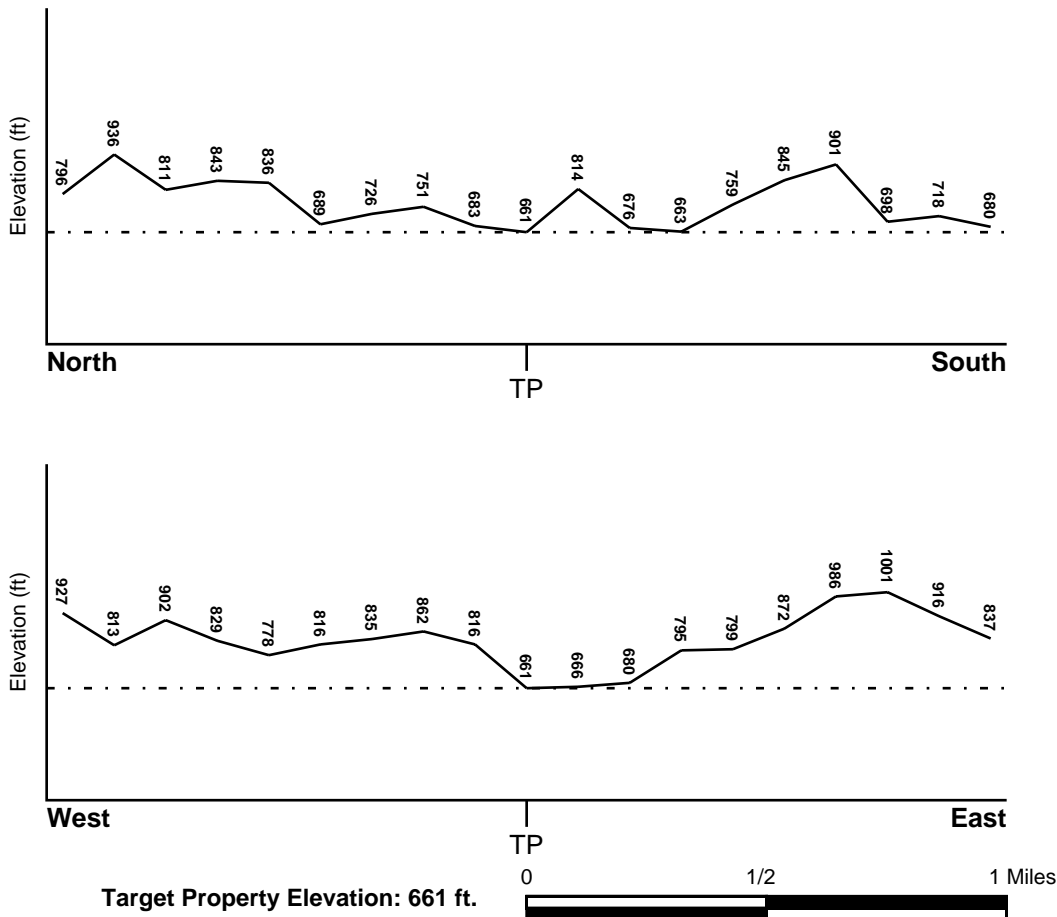
TOPOGRAPHIC INFORMATION

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

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
RITCHIE, WV	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CAIRO	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

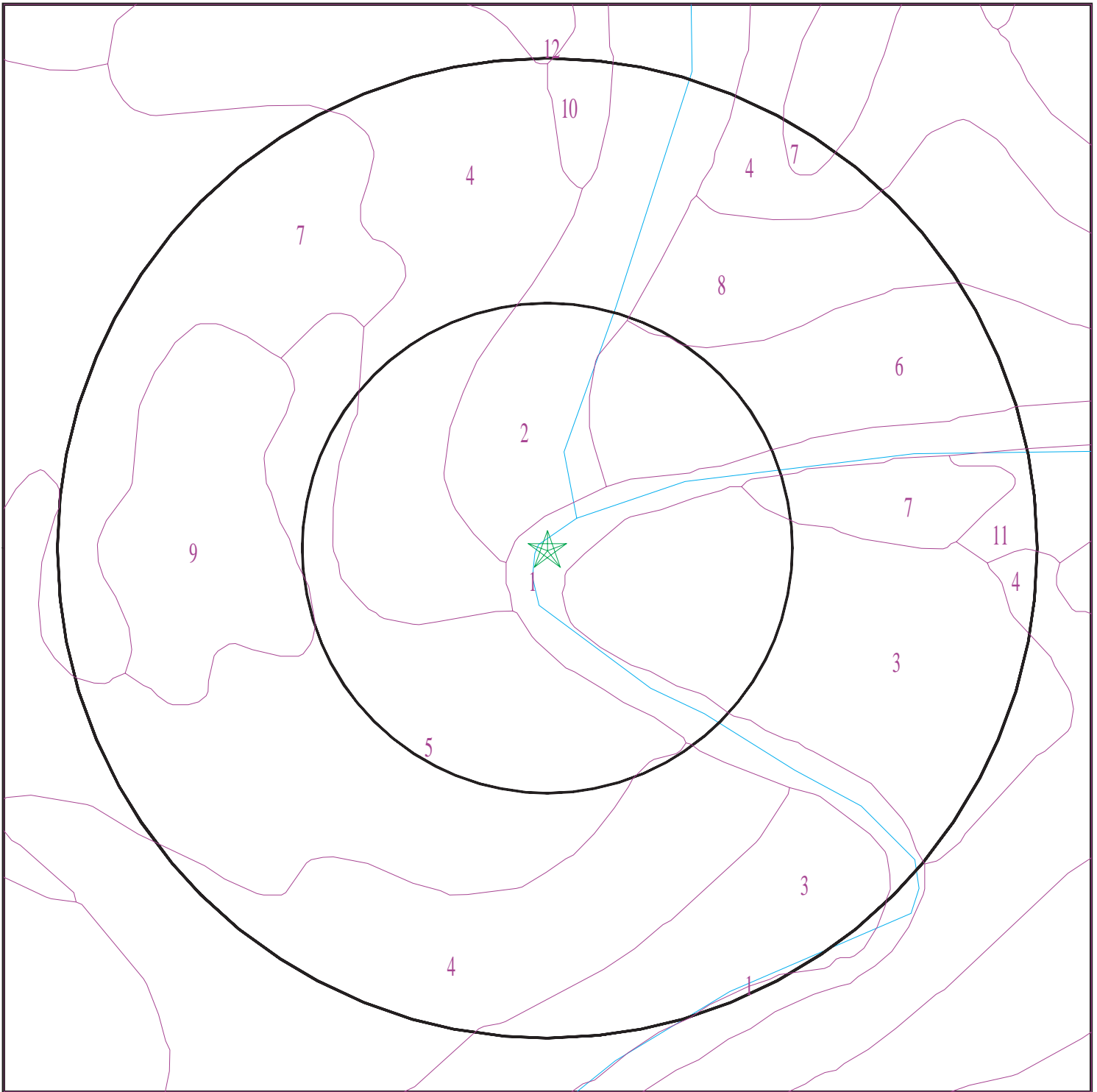
Era:	Paleozoic
System:	Pennsylvanian
Series:	Virgilian Series
Code:	PP4 (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

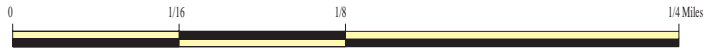
Category: Stratified Sequence

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 - 4670372.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Cairo Bridge
ADDRESS: Route 31
Cairo WV 26337
LAT/LONG: 39.209825 / 81.158931

CLIENT: Skelly and Loy, Inc.
CONTACT: Jason Mccabe
INQUIRY #: 4670372.2s
DATE: July 11, 2016 7:10 pm

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: Water

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Sensabaugh

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 42 Min: 4	Max: 7.8 Min: 5.6
2	7 inches	22 inches	silt loam	Not reported	Not reported	Max: 42 Min: 4	Max: 7.8 Min: 5.6
3	22 inches	25 inches	gravelly loam	Not reported	Not reported	Max: 42 Min: 4	Max: 7.8 Min: 5.6
4	25 inches	59 inches	very gravelly clay loam	Not reported	Not reported	Max: 42 Min: 4	Max: 7.8 Min: 5.6

Soil Map ID: 3

Soil Component Name: Hackers

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	14 inches	48 inches	silty clay loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	48 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 5.1

Soil Map ID: 4

Soil Component Name: Gilpin

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	20 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	20 inches	29 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: Gilpin

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: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	20 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	20 inches	29 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Moshannon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	40 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 6.5 Min: 5.6
3	40 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 7

Soil Component Name: Upshur

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5
2	5 inches	40 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
3	40 inches	55 inches	shaly silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.1
4	55 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 8

Soil Component Name: Vandalia

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Not reported	Not reported	Max: 14 Min: 1.4	Max: 6 Min: 4.5
2	5 inches	50 inches	channery silty clay loam	Not reported	Not reported	Max: 4 Min: 0.42	Max: 6 Min: 4.5
3	50 inches	72 inches	channery silty clay	Not reported	Not reported	Max: 4 Min: 0.42	Max: 7.3 Min: 5.1

Soil Map ID: 9

Soil Component Name: Upshur

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 1.4	Max: 6.5 Min: 4.5
2	5 inches	40 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 4.5
3	40 inches	55 inches	shaly silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.1
4	55 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 10

Soil Component Name: Gilpin

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	20 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	20 inches	29 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 11

Soil Component Name: Gilpin

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	20 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	20 inches	29 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

Soil Map ID: 12

Soil Component Name: Gilpin

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: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	20 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	20 inches	29 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	29 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: 1.4 Min: 0	Max: Min:

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

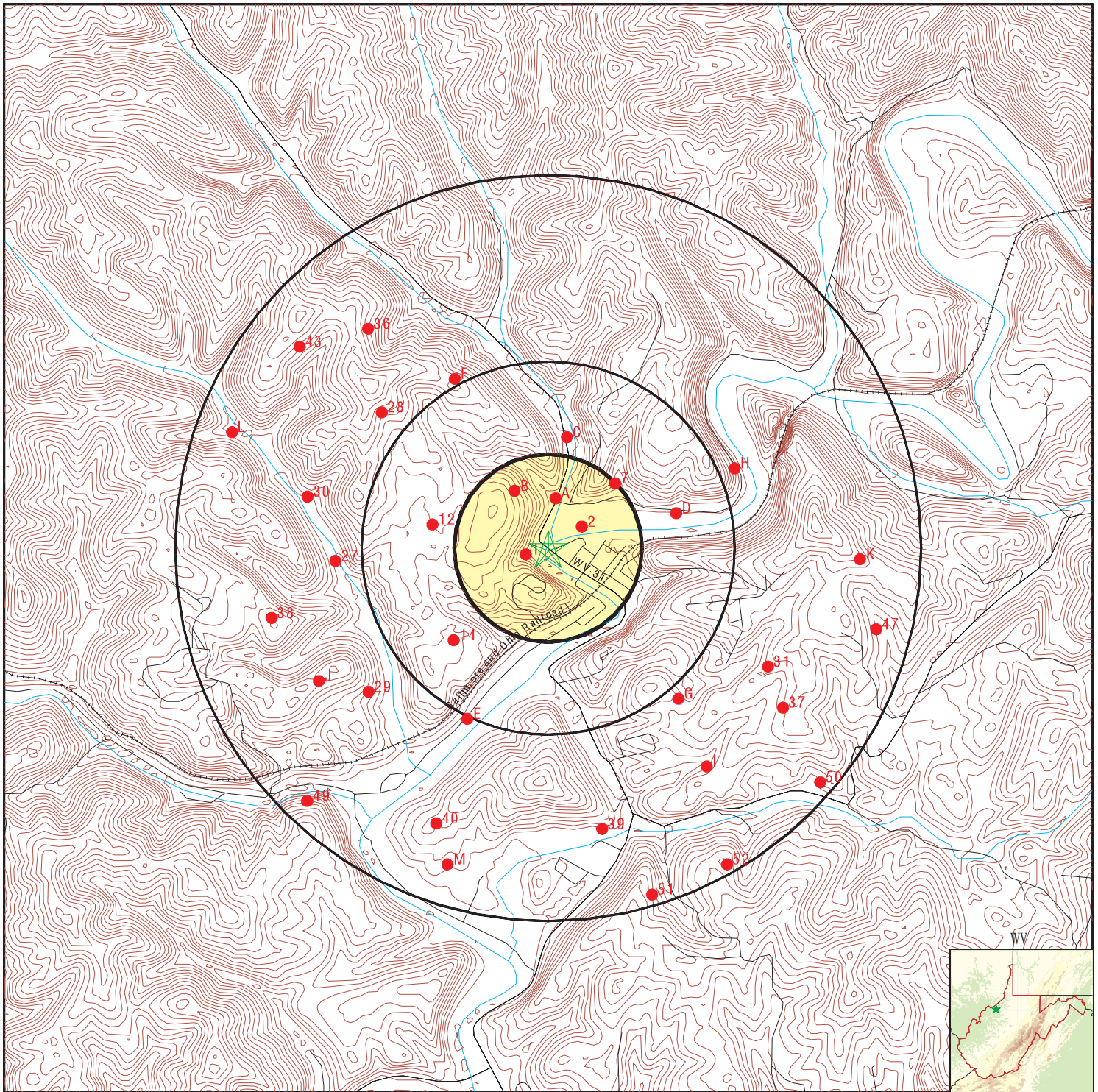
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	WVOG11000131109	0 - 1/8 Mile WSW
2	WVOG11000127071	0 - 1/8 Mile ENE
A3	WVOG11000127926	1/8 - 1/4 Mile North
A4	WVOG11000130432	1/8 - 1/4 Mile North
B6	WVOG11000022217	1/8 - 1/4 Mile NNW
B5	WVOG11000002068	1/8 - 1/4 Mile NNW
7	WVOG11000100102	1/8 - 1/4 Mile NE
C8	WVOG11000091911	1/4 - 1/2 Mile North
C10	WVOG11000102065	1/4 - 1/2 Mile NNE
C9	WVOG11000102064	1/4 - 1/2 Mile NNE
C11	WVOG11000033613	1/4 - 1/2 Mile North
12	WVOG11000004513	1/4 - 1/2 Mile WNW
D13	WVOG11000095848	1/4 - 1/2 Mile East
14	WVOG11000071659	1/4 - 1/2 Mile SW
D15	WVOG11000108384	1/4 - 1/2 Mile ENE
D16	WVOG11000108386	1/4 - 1/2 Mile ENE
E17	WVOG11000049428	1/2 - 1 Mile SSW
E19	WVOG11000021068	1/2 - 1 Mile SSW
E18	WVOG11000021064	1/2 - 1 Mile SSW
F22	WVOG11000034410	1/2 - 1 Mile NNW
F21	WVOG11000034409	1/2 - 1 Mile NNW
F20	WVOG11000034408	1/2 - 1 Mile NNW
G23	WVOG11000025271	1/2 - 1 Mile SE
G24	WVOG11000075149	1/2 - 1 Mile SE
H25	WVOG11000111179	1/2 - 1 Mile ENE
H26	WVOG11000128683	1/2 - 1 Mile ENE
27	WVOG11000095040	1/2 - 1 Mile West
28	WVOG11000051860	1/2 - 1 Mile NW
29	WVOG11000069209	1/2 - 1 Mile SW
30	WVOG11000112157	1/2 - 1 Mile WNW
31	WVOG11000078045	1/2 - 1 Mile ESE
I32	WVOG11000103876	1/2 - 1 Mile SE
J34	WVOG11000059017	1/2 - 1 Mile WSW
J33	WVOG11000059015	1/2 - 1 Mile WSW
I35	WVOG11000070895	1/2 - 1 Mile SE
36	WVOG11000098748	1/2 - 1 Mile NW
37	WVOG11000083954	1/2 - 1 Mile SE
38	WVOG11000063041	1/2 - 1 Mile WSW
39	WVOG11000072396	1/2 - 1 Mile South
40	WVOG11000121087	1/2 - 1 Mile SSW
K41	WVOG11000090048	1/2 - 1 Mile East
K42	WVOG11000090050	1/2 - 1 Mile East
43	WVOG11000029006	1/2 - 1 Mile NW
L44	WVOG11000071186	1/2 - 1 Mile WNW
M45	WVOG11000005527	1/2 - 1 Mile SSW
M46	WVOG11000022824	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
47	WVOG11000101194	1/2 - 1 Mile ESE
L48	WVOG11000059210	1/2 - 1 Mile WNW
49	WVOG11000062396	1/2 - 1 Mile SW
50	WVOG11000080760	1/2 - 1 Mile SE
51	WVOG11000020594	1/2 - 1 Mile SSE
52	WVOG11000106592	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 4670372.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: Cairo Bridge
 ADDRESS: Route 31
 Cairo WV 26337
 LAT/LONG: 39.209825 / 81.158931

CLIENT: Skelly and Loy, Inc.
 CONTACT: Jason Mccabe
 INQUIRY #: 4670372.2s
 DATE: July 11, 2016 7:10 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
WSW
0 - 1/8 Mile

OIL_GAS WVOG11000131109

Fid:	131108	Permitid:	8508396
County:	85	Permit:	8396
Api:	085-08396	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	ASSPN	Issue date:	NA
Complete d:	1928-11-30		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	AC	Farm name:	BOARD OF EDUCATION, RIT.
Well numbr:	BRIDGE 1		
Well x:	486181.7		
Well y:	4340047		
Geosource:	WVGES	Received d:	1995-03-16
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508396		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486181.7&y=4340047&datum=83&level=17&pntlabel=085-08396		
Site id:	WVOG11000131109		

2
ENE
0 - 1/8 Mile

OIL_GAS WVOG11000127071

Fid:	127070	Permitid:	8501406
County:	85	Permit:	1406
Api:	085-01406	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1952-04-04
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	McGREGOR
Well numbr:	1A		
Well x:	486424		
Well y:	4340166.3		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708501406		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486424&y=4340166.3&datum=83&level=17&pntlabel=085-01406		
Site id:	WVOG11000127071		

A3
North
1/8 - 1/4 Mile

OIL_GAS WVOG11000127926

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	127925	Permitid:	8504123
County:	85	Permit:	4123
Api:	085-04123	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	DRILD	Issue date:	1978-09-18
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 2		
Well x:	486310.8		
Well y:	4340288.4		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504123		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486310.8&y=4340288.4&datum=83&level=17&pntlabel=085-04123		
Site id:	WVOG11000127926		

A4
North
1/8 - 1/4 Mile

OIL_GAS

WVOG11000130432

Fid:	130431	Permitid:	8504123
County:	85	Permit:	4123
Api:	085-04123	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	NA
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 2		
Well x:	486310.8		
Well y:	4340288.4		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504123		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486310.8&y=4340288.4&datum=83&level=17&pntlabel=085-04123		
Site id:	WVOG11000130432		

B6
NNW
1/8 - 1/4 Mile

OIL_GAS

WVOG11000022217

Fid:	22216	Permitid:	8505039
County:	85	Permit:	5039
Api:	085-05039	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	1981-02-05
Complete d:	NA		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	AC	Farm name:	WOOD CO. TCH. REC. ASSOC.
Well numbr:	WATERMAN 1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 486133.9
 Well y: 4340320.9
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505039>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=486133.9&y=4340320.9&datum=83&level=17&pntlabel=085-05039>
 Site id: WVOG11000022217

**B5
 NNW
 1/8 - 1/4 Mile**

OIL_GAS WVOG1100002068

Fid: 2067 Permitid: 8505039
 County: 85 Permit: 5039
 Api: 085-05039 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: OTHRW Issue date: 1988-08-09
 Complete d: NA
 Resp party: MACFARLAN OIL AND GAS CO.
 Well statu: AC Farm name: WOOD CO. TCH. REC. ASSOC.
 Well numbr: WATERMAN 1
 Well x: 486133.9
 Well y: 4340320.9
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505039>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=486133.9&y=4340320.9&datum=83&level=17&pntlabel=085-05039>
 Site id: WVOG11000002068

**7
 NE
 1/8 - 1/4 Mile**

OIL_GAS WVOG11000100102

Fid: 100101 Permitid: 8508182
 County: 85 Permit: 8182
 Api: 085-08182 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: ASSPN Issue date: NA
 Complete d: 1928-12-02
 Resp party: ELDER, H. H. & SON
 Well statu: AC Farm name: HALL, JIM
 Well numbr: McGREGOR 9
 Well x: 486568.3
 Well y: 4340352.4
 Geosource: WVGES Received d: 1993-01-26
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508182>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=486568.3&y=4340352.4&datum=83&level=17&pntlabel=085-08182>
 Site id: WVOG11000100102

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

C8
North
1/4 - 1/2 Mile

OIL_GAS WVOG11000091911

Fid:	91910	Permitid:	8507391
County:	85	Permit:	7391
Api:	085-07391	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1985-06-26
Complete d:	NA		
Resp party:	ARIES PETROLEUM CORP.		
Well statu:	AC	Farm name:	MATTERN, RAY
Well numbr:	MATTERN 2		
Well x:	486327.3		
Well y:	4340513.9		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708507391		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486327.3&y=4340513.9&datum=83&level=17&pntlabel=085-07391		
Site id:	WVOG11000091911		

C10
NNE
1/4 - 1/2 Mile

OIL_GAS WVOG11000102065

Fid:	102064	Permitid:	8507424
County:	85	Permit:	7424
Api:	085-07424	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	1985-08-29
Complete d:	NA		
Resp party:	BET-RO, INC.		
Well statu:	PL	Farm name:	MATTERN, DONNA & RAYMOND
Well numbr:	3		
Well x:	486393.92		
Well y:	4340558.38		
Geosource:	ERIS-LL	Received d:	1949-06-01
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708507424		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486393.92&y=4340558.38&datum=83&level=17&pntlabel=085-07424		
Site id:	WVOG11000102065		

C9
NNE
1/4 - 1/2 Mile

OIL_GAS WVOG11000102064

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	102063	Permitid:	8507424
County:	85	Permit:	7424
Api:	085-07424	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	1985-09-02
Complete d:	NA		
Resp party:	BET-RO, INC.		
Well statu:	PL	Farm name:	MATTERN, DONNA & RAYMOND
Well numbr:	3		
Well x:	486393.92		
Well y:	4340558.38		
Geosource:	ERIS-LL	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708507424		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486393.92&y=4340558.38&datum=83&level=17&pntlabel=085-07424		
Site id:	WVOG11000102064		

**C11
North
1/4 - 1/2 Mile**

OIL_GAS WVOG11000033613

Fid:	33612	Permitid:	8506641
County:	85	Permit:	6641
Api:	085-06641	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1983-11-26
Complete d:	NA		
Resp party:	ARIES PETROLEUM CORP.		
Well statu:	AC	Farm name:	MATTERN, RAYMOND & DONNA
Well numbr:	MATTERN 1		
Well x:	486327.4		
Well y:	4340578.3		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506641		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486327.4&y=4340578.3&datum=83&level=17&pntlabel=085-06641		
Site id:	WVOG11000033613		

**12
WNW
1/4 - 1/2 Mile**

OIL_GAS WVOG11000004513

Fid:	4512	Permitid:	8506187
County:	85	Permit:	6187
Api:	085-06187	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1983-02-11
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	WOOD CO. TEACHERS ASSOC.
Well numbr:	WATERMAN/715-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 485779.7
 Well y: 4340176.6
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506187>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485779.7&y=4340176.6&datum=83&level=17&pntlabel=085-06187>
 Site id: WVOG1100004513

**D13
East
1/4 - 1/2 Mile**

OIL_GAS WVOG11000095848

Fid:	95847	Permitid:	8508184
County:	85	Permit:	8184
Api:	085-08184	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	ASSPN	Issue date:	NA
Complete d:	1928-12-02		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	MAHONEY
Well numbr:	McGREGOR 13		
Well x:	486809.3		
Well y:	4340158.7		
Geosource:	WVGES	Received d:	1993-01-26
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508184		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486809.3&y=4340158.7&datum=83&level=17&pntlabel=085-08184		
Site id:	WVOG11000095848		

**14
SW
1/4 - 1/2 Mile**

OIL_GAS WVOG11000071659

Fid:	71658	Permitid:	8503241
County:	85	Permit:	3241
Api:	085-03241	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1967-10-27
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	WILDCAT T-5		
Well x:	485870		
Well y:	4339677.1		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503241		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485870&y=4339677.1&datum=83&level=17&pntlabel=085-03241		
Site id:	WVOG11000071659		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

D15
ENE
1/4 - 1/2 Mile

OIL_GAS WVOG11000108384

Fid:	108383	Permitid:	8504117
County:	85	Permit:	4117
Api:	085-04117	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	NA
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 5		
Well x:	486841.7		
Well y:	4340255.3		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504117		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486841.7&y=4340255.3&datum=83&level=17&pntlabel=085-04117		
Site id:	WVOG11000108384		

D16
ENE
1/4 - 1/2 Mile

OIL_GAS WVOG11000108386

Fid:	108385	Permitid:	8504117
County:	85	Permit:	4117
Api:	085-04117	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	DRILD	Issue date:	1978-08-26
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 5		
Well x:	486841.7		
Well y:	4340255.3		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504117		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486841.7&y=4340255.3&datum=83&level=17&pntlabel=085-04117		
Site id:	WVOG11000108386		

E17
SSW
1/2 - 1 Mile

OIL_GAS WVOG11000049428

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	49427	Permitid:	8508497
County:	85	Permit:	8497
Api:	085-08497	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	ASSPN	Issue date:	1998-02-03
Complete d:	2002-02-17		
Resp party:	ALLIED ENERGY, INC.		
Well statu:	AC	Farm name:	STEVENS, L. C.
Well numbr:	8		
Well x:	485939.1		
Well y:	4339337.5		
Geosource:	WVGES	Received d:	1997-12-21
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508497		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485939.1&y=4339337.5&datum=83&level=17&pntlabel=085-08497		
Site id:	WVOG11000049428		

**E19
SSW
1/2 - 1 Mile**

OIL_GAS WVOG11000021068

Fid:	21067	Permitid:	8508397
County:	85	Permit:	8397
Api:	085-08397	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	ASSPN	Issue date:	NA
Complete d:	1929-12-02		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	PL	Farm name:	BIRCHER, EARL
Well numbr:	RIVER 1		
Well x:	485923		
Well y:	4339337.5		
Geosource:	WVGES	Received d:	1995-03-16
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508397		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485923&y=4339337.5&datum=83&level=17&pntlabel=085-08397		
Site id:	WVOG11000021068		

**E18
SSW
1/2 - 1 Mile**

OIL_GAS WVOG11000021064

Fid:	21063	Permitid:	8508397
County:	85	Permit:	8397
Api:	085-08397	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	NA
Complete d:	1997-07-02		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	PL	Farm name:	BIRCHER, EARL
Well numbr:	RIVER 1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 485923
 Well y: 4339337.5
 Geosource: WVGES Received d: 1997-06-30
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708508397>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485923&y=4339337.5&datum=83&level=17&pntlabel=085-08397>
 Site id: WVOG11000021064

**F22
 NNW
 1/2 - 1 Mile**

OIL_GAS WVOG11000034410

Fid:	34409	Permitid:	8505040
County:	85	Permit:	5040
Api:	085-05040	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1988-10-04
Complete d:	NA		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	AC	Farm name:	WOOD CO. TCH. REC. ASSOC.
Well numbr:	WATERMAN 2		
Well x:	485877.4		
Well y:	4340804.6		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505040		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485877.4&y=4340804.6&datum=83&level=17&pntlabel=085-05040		
Site id:	WVOG11000034410		

**F21
 NNW
 1/2 - 1 Mile**

OIL_GAS WVOG11000034409

Fid:	34408	Permitid:	8505040
County:	85	Permit:	5040
Api:	085-05040	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	REWOR	Issue date:	1988-10-04
Complete d:	NA		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	AC	Farm name:	WOOD CO. TCH. REC. ASSOC.
Well numbr:	WATERMAN 2		
Well x:	485877.4		
Well y:	4340804.6		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505040		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485877.4&y=4340804.6&datum=83&level=17&pntlabel=085-05040		
Site id:	WVOG11000034409		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

**F20
NNW
1/2 - 1 Mile**

OIL_GAS WVOG11000034408

Fid:	34407	Permitid:	8505040
County:	85	Permit:	5040
Api:	085-05040	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	1981-02-13
Complete d:	NA		
Resp party:	MACFARLAN OIL AND GAS CO.		
Well statu:	AC	Farm name:	WOOD CO. TCH. REC. ASSOC.
Well numbr:	WATERMAN 2		
Well x:	485877.4		
Well y:	4340804.6		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505040		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485877.4&y=4340804.6&datum=83&level=17&pntlabel=085-05040		
Site id:	WVOG11000034408		

**G23
SE
1/2 - 1 Mile**

OIL_GAS WVOG11000025271

Fid:	25270	Permitid:	8504407
County:	85	Permit:	4407
Api:	085-04407	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1901-09-26
Complete d:	NA		
Resp party:	TRIAD RESOURCES, INC.		
Well statu:	AC	Farm name:	SI, CONRAD & DOUGLASS
Well numbr:	8		
Well x:	486839.8		
Well y:	4339422.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504407		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486839.8&y=4339422.5&datum=83&level=17&pntlabel=085-04407		
Site id:	WVOG11000025271		

**G24
SE
1/2 - 1 Mile**

OIL_GAS WVOG11000075149

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	75148	Permitid:	8504407
County:	85	Permit:	4407
Api:	085-04407	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	DRILD	Issue date:	1979-01-17
Complete d:	NA		
Resp party:	TRIAD RESOURCES, INC.		
Well statu:	AC	Farm name:	SI, CONRAD & DOUGLASS
Well numbr:	8		
Well x:	486839.8		
Well y:	4339422.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504407		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486839.8&y=4339422.5&datum=83&level=17&pntlabel=085-04407		
Site id:	WVOG11000075149		

**H25
ENE
1/2 - 1 Mile**

OIL_GAS

WVOG11000111179

Fid:	111178	Permitid:	8504037
County:	85	Permit:	4037
Api:	085-04037	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	FRACT	Issue date:	1983-01-13
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 1		
Well x:	487083.2		
Well y:	4340416		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504037		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487083.2&y=4340416&datum=83&level=17&pntlabel=085-04037		
Site id:	WVOG11000111179		

**H26
ENE
1/2 - 1 Mile**

OIL_GAS

WVOG11000128683

Fid:	128682	Permitid:	8504037
County:	85	Permit:	4037
Api:	085-04037	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1978-07-07
Complete d:	NA		
Resp party:	ELDER, H. H. & SON		
Well statu:	AC	Farm name:	ATKINSON, H. L.
Well numbr:	McGREGOR 1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 487083.2
 Well y: 4340416
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504037>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=487083.2&y=4340416&datum=83&level=17&pntlabel=085-04037>
 Site id: WVOG11000128683

27
West
1/2 - 1 Mile

OIL_GAS WVOG11000095040

Fid: 95039 Permitid: 8503232
 County: 85 Permit: 3232
 Api: 085-03232 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: OTHRW Issue date: 1967-09-01
 Complete d: NA
 Resp party: JAY-BEE OIL & GAS
 Well statu: AC Farm name: PEW, DAVID
 Well numbr: 17
 Well x: 485360.5
 Well y: 4340019.9
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503232>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485360.5&y=4340019.9&datum=83&level=17&pntlabel=085-03232>
 Site id: WVOG11000095040

28
NW
1/2 - 1 Mile

OIL_GAS WVOG11000051860

Fid: 51859 Permitid: 8505184
 County: 85 Permit: 5184
 Api: 085-05184 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: OTHRW Issue date: NA
 Complete d: NA
 Resp party: W. E. B. WELL TENDING SERVICE, IN
 Well statu: AC Farm name: WATERMAN, CHESTER
 Well numbr: 1
 Well x: 485561.7
 Well y: 4340660.2
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505184>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485561.7&y=4340660.2&datum=83&level=17&pntlabel=085-05184>
 Site id: WVOG11000051860

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

29
SW
1/2 - 1 Mile

OIL_GAS WVOG11000069209

Fid:	69208	Permitid:	8509634
County:	85	Permit:	9634
Api:	085-09634	Lateral:	0
Well type:	GAS	Well use:	PROD
Well depth:	SWG3	Well rig:	RRIG
Permit typ:	NEWEL	Issue date:	2007-10-05
Complete d:	2008-05-20		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID C.
Well numbr:	WILDCAT 32		
Well x:	485502.79		
Well y:	4339454.56		
Geosource:	ERIS-LL	Received d:	2007-09-19
Marcellusf:	1		
Formation:	Marcellus Shale		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708509634		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485502.79&y=4339454.56&datum=83&level=17&pntlabel=085-09634		
Site id:	WVOG11000069209		

30
WNW
1/2 - 1 Mile

OIL_GAS WVOG11000112157

Fid:	112156	Permitid:	8503250
County:	85	Permit:	3250
Api:	085-03250	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1968-05-12
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	T-6		
Well x:	485240.9		
Well y:	4340297.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503250		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485240.9&y=4340297.5&datum=83&level=17&pntlabel=085-03250		
Site id:	WVOG11000112157		

31
ESE
1/2 - 1 Mile

OIL_GAS WVOG11000078045

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	78044	Permitid:	8506844
County:	85	Permit:	6844
Api:	085-06844	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1984-02-14
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	SCOTT, ADA KATHERINE
Well numbr:	A. SCOTT 1		
Well x:	487226.6		
Well y:	4339560.8		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506844		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487226.6&y=4339560.8&datum=83&level=17&pntlabel=085-06844		
Site id:	WVOG11000078045		

**I32
SE
1/2 - 1 Mile**

OIL_GAS WVOG11000103876

Fid:	103875	Permitid:	8505548
County:	85	Permit:	5548
Api:	085-05548	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	FRACT	Issue date:	1982-04-30
Complete d:	1900-01-01		
Resp party:	PETRO-MARK, INC.		
Well statu:	AB	Farm name:	ROSS, ROMA A.
Well numbr:	1		
Well x:	486905.69		
Well y:	4339150.14		
Geosource:	ERIS-LL	Received d:	1985-03-06
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505548		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486905.69&y=4339150.14&datum=83&level=17&pntlabel=085-05548		
Site id:	WVOG11000103876		

**J34
WSW
1/2 - 1 Mile**

OIL_GAS WVOG11000059017

Fid:	59016	Permitid:	8503606
County:	85	Permit:	3606
Api:	085-03606	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	DRILD	Issue date:	1975-10-15
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	16		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 485288.3
 Well y: 4339502.2
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503606>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485288.3&y=4339502.2&datum=83&level=17&pntlabel=085-03606>
 Site id: WVOG11000059017

**J33
WSW
1/2 - 1 Mile**

OIL_GAS WVOG11000059015

Fid:	59014	Permitid:	8503606
County:	85	Permit:	3606
Api:	085-03606	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1968-03-01
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	16		
Well x:	485288.3		
Well y:	4339502.2		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503606		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485288.3&y=4339502.2&datum=83&level=17&pntlabel=085-03606		
Site id:	WVOG11000059015		

**I35
SE
1/2 - 1 Mile**

OIL_GAS WVOG11000070895

Fid:	70894	Permitid:	8506236
County:	85	Permit:	6236
Api:	085-06236	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1983-02-12
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	SIX, RONALD
Well numbr:	ADAMS 714-2		
Well x:	487016.7		
Well y:	4339110.1		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506236		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487016.7&y=4339110.1&datum=83&level=17&pntlabel=085-06236		
Site id:	WVOG11000070895		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

36
NW
1/2 - 1 Mile

OIL_GAS WVOG11000098748

Fid:	98747	Permitid:	8504982
County:	85	Permit:	4982
Api:	085-04982	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	NEWEL	Issue date:	NA
Complete d:	1900-01-01		
Resp party:	HAUGHT INC		
Well statu:	ND	Farm name:	TIBBS, LINDSEY
Well numbr:	H-1127		
Well x:	485503.7		
Well y:	4341021.29		
Geosource:	ERIS-LL	Received d:	1980-10-28
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504982		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485503.7&y=4341021.29&datum=83&level=17&pntlabel=085-04982		
Site id:	WVOG11000098748		

37
SE
1/2 - 1 Mile

OIL_GAS WVOG11000083954

Fid:	83953	Permitid:	8507016
County:	85	Permit:	7016
Api:	085-07016	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1984-06-30
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	SCOTT, ADA KATHERINE
Well numbr:	A. SCOTT 2		
Well x:	487290.7		
Well y:	4339383.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708507016		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487290.7&y=4339383.5&datum=83&level=17&pntlabel=085-07016		
Site id:	WVOG11000083954		

38
WSW
1/2 - 1 Mile

OIL_GAS WVOG11000063041

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	63040	Permitid:	8509635
County:	85	Permit:	9635
Api:	085-09635	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	NEWEL	Issue date:	2007-10-05
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	ND	Farm name:	PEW, DAVID C.
Well numbr:	WILDCAT 33		
Well x:	485085.22		
Well y:	4339774.6		
Geosource:	ERIS-LL	Received d:	2007-09-19
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708509635		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485085.22&y=4339774.6&datum=83&level=17&pntlabel=085-09635		
Site id:	WVOG11000063041		

39
South
1/2 - 1 Mile

OIL_GAS

WVOG11000072396

Fid:	72395	Permitid:	8503813
County:	85	Permit:	3813
Api:	085-03813	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1978-02-16
Complete d:	NA		
Resp party:	TRIAD RESOURCES, INC.		
Well statu:	AC	Farm name:	DOUGLASS, A. M.
Well numbr:	5		
Well x:	486509.6		
Well y:	4338861.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503813		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486509.6&y=4338861.5&datum=83&level=17&pntlabel=085-03813		
Site id:	WVOG11000072396		

40
SSW
1/2 - 1 Mile

OIL_GAS

WVOG11000121087

Fid:	121086	Permitid:	8509549
County:	85	Permit:	9549
Api:	085-09549	Lateral:	0
Well type:	GAS	Well use:	PROD
Well depth:	DEEP	Well rig:	RRIG
Permit typ:	NEWEL	Issue date:	2007-03-13
Complete d:	2007-06-26		
Resp party:	VIKING INTERNATIONAL RESOURCES CO		
Well statu:	AC	Farm name:	LAYFIELD, RONALD & SHEILA
Well numbr:	HATFIELD 3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 485793.5
 Well y: 4338886.8
 Geosource: WVGES Received d: 2007-03-01
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708509549>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485793.5&y=4338886.8&datum=83&level=17&pntlabel=085-09549>
 Site id: WVOG11000121087

K41
East
1/2 - 1 Mile

OIL_GAS WVOG11000090048

Fid:	90047	Permitid:	8501351
County:	85	Permit:	1351
Api:	085-01351	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	PLUG	Issue date:	1951-01-29
Complete d:	NA		
Resp party:	OPERATOR UNKNOWN		
Well statu:	PL	Farm name:	CORNELL, DOY
Well numbr:	1		
Well x:	487624.1		
Well y:	4340023.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708501351		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487624.1&y=4340023.5&datum=83&level=17&pntlabel=085-01351		
Site id:	WVOG11000090048		

K42
East
1/2 - 1 Mile

OIL_GAS WVOG11000090050

Fid:	90049	Permitid:	8501351
County:	85	Permit:	1351
Api:	085-01351	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1950-12-11
Complete d:	NA		
Resp party:	OPERATOR UNKNOWN		
Well statu:	PL	Farm name:	CORNELL, DOY
Well numbr:	1		
Well x:	487624.1		
Well y:	4340023.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708501351		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487624.1&y=4340023.5&datum=83&level=17&pntlabel=085-01351		
Site id:	WVOG11000090050		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

43
NW
1/2 - 1 Mile

OIL_GAS WVOG11000029006

Fid:	29005	Permitid:	8503252
County:	85	Permit:	3252
Api:	085-03252	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	DRILD	Issue date:	1968-01-20
Complete d:	1900-01-01		
Resp party:	M & M INDUSTRIES, INC.		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	WILDCAT T-7		
Well x:	485207.8		
Well y:	4340944.6		
Geosource:	WVGES	Received d:	1981-01-05
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503252		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485207.8&y=4340944.6&datum=83&level=17&pntlabel=085-03252		
Site id:	WVOG11000029006		

L44
WNW
1/2 - 1 Mile

OIL_GAS WVOG11000071186

Fid:	71185	Permitid:	8503231
County:	85	Permit:	3231
Api:	085-03231	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1967-08-09
Complete d:	NA		
Resp party:	JAY-BEE OIL & GAS		
Well statu:	AC	Farm name:	PEW, DAVID
Well numbr:	WILDCAT T-2		
Well x:	484927.2		
Well y:	4340535.8		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503231		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=484927.2&y=4340535.8&datum=83&level=17&pntlabel=085-03231		
Site id:	WVOG11000071186		

M45
SSW
1/2 - 1 Mile

OIL_GAS WVOG11000005527

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	5526	Permitid:	8505509
County:	85	Permit:	5509
Api:	085-05509	Lateral:	0
Well type:	GAS	Well use:	PROD
Well depth:	SWG3	Well rig:	NAVL
Permit typ:	FRACT	Issue date:	2006-11-30
Complete d:	2006-12-18		
Resp party:	VIKING INTERNATIONAL RESOURCES CO		
Well statu:	AC	Farm name:	LAYFIELD, RONALD & SHEILA
Well numbr:	HATFIELD 1		
Well x:	485841.4		
Well y:	4338709.5		
Geosource:	WVGES	Received d:	2006-11-27
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505509		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485841.4&y=4338709.5&datum=83&level=17&pntlabel=085-05509		
Site id:	WVOG11000005527		

**M46
SSW
1/2 - 1 Mile**

OIL_GAS WVOG11000022824

Fid:	22823	Permitid:	8505509
County:	85	Permit:	5509
Api:	085-05509	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1982-05-06
Complete d:	NA		
Resp party:	STRIKER OIL & GAS CO.		
Well statu:	AC	Farm name:	LAYFIELD, RONALD & SHEILA
Well numbr:	HATFIELD 1		
Well x:	485841.4		
Well y:	4338709.5		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505509		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=485841.4&y=4338709.5&datum=83&level=17&pntlabel=085-05509		
Site id:	WVOG11000022824		

**47
ESE
1/2 - 1 Mile**

OIL_GAS WVOG11000101194

Fid:	101193	Permitid:	8506849
County:	85	Permit:	6849
Api:	085-06849	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1984-02-07
Complete d:	NA		
Resp party:	DILS, SHERMAN DBA DILS OIL & GAS		
Well statu:	AC	Farm name:	MORRIS, LEROY
Well numbr:	ELDER 1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well x: 487693.5
 Well y: 4339721.1
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506849>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=487693.5&y=4339721.1&datum=83&level=17&pntlabel=085-06849>
 Site id: WVOG11000101194

**L48
WNW
1/2 - 1 Mile**

OIL_GAS WVOG11000059210

Fid: 59209 Permitid: 8503224
 County: 85 Permit: 3224
 Api: 085-03224 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: OTHRW Issue date: 1967-08-21
 Complete d: NA
 Resp party: JAY-BEE OIL & GAS
 Well statu: AC Farm name: PEW, DAVID
 Well numbr: WILDCAT T-1
 Well x: 484904.9
 Well y: 4340617.2
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708503224>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=484904.9&y=4340617.2&datum=83&level=17&pntlabel=085-03224>
 Site id: WVOG11000059210

**49
SW
1/2 - 1 Mile**

OIL_GAS WVOG11000062396

Fid: 62395 Permitid: 8505697
 County: 85 Permit: 5697
 Api: 085-05697 Lateral: 0
 Well type: NAVL Well use: NAVL
 Well depth: NAVL Well rig: NAVL
 Permit typ: OTHRW Issue date: 1982-06-24
 Complete d: NA
 Resp party: KUDELLA, RON & CLINE, RUSSELL
 Well statu: AB Farm name: STOUT, RANDALL & EVELYN
 Well numbr: 1
 Well x: 485236.8
 Well y: 4338984.4
 Geosource: WVGES Received d: NA
 Marcellusf: 0
 Formation: Not Available
 Link: <http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708505697>
 Webmap: <http://tagis.dep.wv.gov/imap/imap.php?x=485236.8&y=4338984.4&datum=83&level=17&pntlabel=085-05697>
 Site id: WVOG11000062396

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

50
SE
1/2 - 1 Mile

OIL_GAS WVOG11000080760

Fid:	80759	Permitid:	8506211
County:	85	Permit:	6211
Api:	085-06211	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1983-02-05
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	SIX, RONALD
Well numbr:	ADAMS 714-1		
Well x:	487451.1		
Well y:	4339061.1		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506211		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487451.1&y=4339061.1&datum=83&level=17&pntlabel=085-06211		
Site id:	WVOG11000080760		

51
SSE
1/2 - 1 Mile

OIL_GAS WVOG11000020594

Fid:	20593	Permitid:	8504409
County:	85	Permit:	4409
Api:	085-04409	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	NA
Complete d:	NA		
Resp party:	TRIAD RESOURCES, INC.		
Well statu:	AC	Farm name:	ROLLINS, JED
Well numbr:	MOATS 3		
Well x:	486724.3		
Well y:	4338577.8		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708504409		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=486724.3&y=4338577.8&datum=83&level=17&pntlabel=085-04409		
Site id:	WVOG11000020594		

52
SSE
1/2 - 1 Mile

OIL_GAS WVOG11000106592

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	106591	Permitid:	8506282
County:	85	Permit:	6282
Api:	085-06282	Lateral:	0
Well type:	NAVL	Well use:	NAVL
Well depth:	NAVL	Well rig:	NAVL
Permit typ:	OTHRW	Issue date:	1983-03-09
Complete d:	NA		
Resp party:	KEY OIL COMPANY		
Well statu:	AC	Farm name:	McLAUGHLIN, JOHN
Well numbr:	KELLAR 730-1		
Well x:	487048.2		
Well y:	4338707.4		
Geosource:	WVGES	Received d:	NA
Marcellusf:	0		
Formation:	Not Available		
Link:	http://www.wvgs.wvnet.edu/oginfo/pipeline/pipeline2.asp?txtsearchapi=4708506282		
Webmap:	http://tagis.dep.wv.gov/imap/imap.php?x=487048.2&y=4338707.4&datum=83&level=17&pntlabel=085-06282		
Site id:	WVOG11000106592		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 26337

Number of sites tested: 5.

Maximum Radon Level: 4.0 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
3 (60.00%)	2 (40.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for RITCHIE County: 2

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

West Virginia Water Well Information

Source: Bureau of Public Health

Telephone: 304-558-6765

OTHER STATE DATABASE INFORMATION

West Virginia Oil and Gas Well Database

Source: Department of Environmental Protection

Telephone: 304-926-0450

Oil and Gas well locations in the state.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

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.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey


PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX C

Aerial Photographs



Cairo Bridge
Route 31
Cairo, WV 26337

Inquiry Number: 4670372.5

July 13, 2016

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Site Name:

Cairo Bridge
 Route 31
 Cairo, WV 26337
 EDR Inquiry # 4670372.5

Client Name:

Skelly and Loy, Inc.
 449 Eisenhower Blvd
 Harrisburg, PA 17111
 Contact: Jason Mccabe



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1996	1"=500'	Acquisition Date: April, 11 1996	USGS/DOQQ
1962	1"=750'	Flight Date: April, 24 1962	USGS
1957	1"=750'	Flight Date: August, 13 1957	USGS

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INQUIRY # 4670372.5

YEAR: 2011

— = 500'





INQUIRY # 4670372.5

YEAR: 2009

— = 500'





INQUIRY #: 4670372.5

YEAR: 2007

— = 500'





INQUIRY #: 4670372.5

YEAR: 1996

— = 500'





INQUIRY #: 4670372.5

YEAR: 1962

— = 750'





INQUIRY #: 4670372.5

YEAR: 1957

— = 750'



APPENDIX D
Sanborn[®] Maps

Cairo Bridge
Route 31
Cairo, WV 26337

Inquiry Number: 4670372.3

July 11, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/11/16

Site Name:

Cairo Bridge
Route 31
Cairo, WV 26337
EDR Inquiry # 4670372.3

Client Name:

Skelly and Loy, Inc.
449 Eisenhower Blvd
Harrisburg, PA 17111
Contact: Jason McCabe



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Skelly and Loy, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 8D18-435D-8A8B
PO # R15-0047.001
Project WVDOH Cairo Bridge Replacement



Sanborn® Library search results

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APPENDIX E

Interviews



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PROJECT NUMBER: RIS-0047.001
 PROJECT NAME: Cairo Bridge
 ORIGINATOR: JTM

PHONE CONVERSATION RECORD

Conversation with: _____ Date: 7 / 1 / 21 / 16
 Name: Gary Haugh Time: ~ 13:00 AM PM
 Title: Mayor - Town of Cairo
 Company: _____ Phone: (304) 428 - 3843
 Subject: Environmental Condition of Bridge @ Surrounding Areas

Notes: As a long time resident (30+ years) of Cairo, Mr Haugh is very familiar with the area. When interviewed, he stated he was not aware of any existing or past environmental issues associated with the bridge and it's adjacent properties. He also was not aware of any environmental studying for the area. He said, to the best of his knowledge, that there haven't been any spills or leaks (significant ones) at or around the bridge, that would have required emergency services

Note: Mr. Haugh's office / Town Hall, is approximately 600 feet from the bridge and is well within view of the bridge.

Follow-up Action: None

Project File _____ Others: _____
 Originator's File _____
 Project Manager _____

Office Locations: Harrisburg, PA Morgantown, WV State College, PA Hagerstown, MD Raleigh, NC

Affiliated Company: AMS of Skelly and Loy, Harrisburg, PA



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PROJECT NUMBER: R15-0047.001

PROJECT NAME: Cairo Bridge

ORIGINATOR: JTM

PHONE CONVERSATION RECORD

Conversation with: _____ Date: 7 / 1 / 21 / 16

Name: Pete Haga Time: ~ 13:45 AM PM

Title: Operator

Company: The Filling Station Rt 31 Phone: (304) 628 - 3848

Subject: Environmental Condition of Property

Notes: Mr Haga has operated The Filling Station for approximately 20 years. As one of the areas few gasoline stations, it also serves as a convenience / food store. Mr Haga was not aware of and leaks, spills or infections with regards to the USTs present at the site. Mr. Haga said he stores Regular and Premium untreated, and Diesel along with dyed (or off-road) diesel in an AST stored outside. He mentioned that WV DEP inspectors have complimented him multiple times regarding the excellent condition of the USTs. Mr Haga was not aware of any other environmental issues and informed SKelly and Loy that the empty parcel between his station and the bridge was owned by Night Owl Oil (who also owned the property across the street) and it was only used for storage by the local public works department. He was not aware of any spills or issues with that parcel.

Follow-up Action: None

- Project File _____ Others: _____
- Originator's File _____
- Project Manager _____

Office Locations: Harrisburg, PA Morgantown, WV State College, PA Hagerstown, MD Raleigh, NC

Affiliated Company: AMS of Skelly and Loy, Harrisburg, PA

APPENDIX F
Site Photographs

**Cairo Bridge – Phase I ESA
Photograph Log**



Photograph 1: View of parking lot adjacent to northeast bridge abutment (bridge on left in background).



Photograph 2: View of lot adjacent to northeast bridge abutment (view from bridge).

**Cairo Bridge – Phase I ESA
Photograph Log**



Photograph 3: View of northeast abutment from across bridge. Location of former 1900's prison; current day walking path.



Photograph 4: View looking west across pedestrian crossing of bridge (former car wash in background).

**Cairo Bridge – Phase I ESA
Photograph Log**



Photograph 5: View of northwest abutment area, looking from the bridge.



Photograph 6: View of northwest abutment area, looking from roadway.
Piles of rubble and clean fill in the foreground and background.

**Cairo Bridge – Phase I ESA
Photograph Log**



Photograph 7: View of presumed gas well near southwest abutment of bridge. No visible staining, leaks or spills. No odor. Structure is presumed to be outside the study area.



Photograph 8: View looking north on WV 31 from western end of bridge. Former car wash at left foreground, Night Owl Oil at left background, and The Filling Station at right background.

**Cairo Bridge – Phase I ESA
Photograph Log**



Photograph 9: Former car wash near west end of bridge. Currently not in use.



Photograph 10: View of Night Owl Oil looking south on WV 31 (bridge is to the left). Rusty machinery and equipment stored outside. Old well pump in foreground is decorative.

Cairo Bridge – Phase I ESA
Photograph Log



Photograph 11: View looking south on WV 31. The Filling Station in left foreground.



Photograph 12: AST containing dyed (off-road) diesel at the north end of The Filling Station.