

## PHASE I ENVIRONMENTAL SITE ASSESSMENT

### **Etowah River Terminal**

1015 Barlow Street  
Charleston, West Virginia 25311

**Prepared for:**

Rosebud Mining Company  
301 Market Street  
Kittanning, PA 16201  
(724) 545-6222

**Prepared by:**

Thrasher Group, Inc.  
300 Association Drive  
Charleston, WV 25311  
(304) 343-7601

November, 2013  
202-70-0274

## TABLE OF CONTENTS

1.0	SUMMARY	1	
	1.1	Phase I ESA	1
	1.2	Other Environmental Issues	2
	1.3	Recommendations	2
2.0	INTRODUCTION	3	
	2.1	Purpose and Scope	3
	2.2	Special Terms and Conditions	3
	2.3	Methodology and Resources	4
	2.4	Limitations of Assessment	6
	2.5	Significant Assumptions	6
3.0	PROPERTY DESCRIPTION AND PHYSICAL SETTING	7	
	3.1	Location and Legal Description	7
	3.2	Property Vicinity Characteristics	7
	3.3	Description of Property and Improvements	7
	3.4	Physical Setting	8
4.0	PROPERTY USAGE	8	
	4.1	Current Uses of the Property	8
	4.2	Past Uses of the Property	8
	4.3	Environmental Liens	9
	4.4	Current and Past Uses of Adjoining Properties	9
5.0	ENVIRONMENTAL REGULATORY RECORDS REVIEW	10	
	5.1	Freedom of Information Request	10
	5.2	Environmental Records Search	11
	5.3	Subject Property Database Findings	11
	5.4	Adjoining Property Database Findings	14
	5.5	Non-adjoining Property Database Findings	14
6.0	RECONNAISSANCE FINDINGS	16	
	6.1	Subject Property Reconnaissance Findings	16
	6.2	Adjoining Property Reconnaissance Findings	16
7.0	FINDINGS AND CONCLUSIONS	17	
	7.1	Phase I Environmental Site Assessment	17
8.0	RECOMMENDATIONS	18	
9.0	WARRANTY	18	
10.0	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	19	

## **LIST OF APPENDICES**

APPENDIX A - Vicinity Maps

APPENDIX B - EDR Certified Sanborn Map Report

APPENDIX C - EDR City Directory Image Report

APPENDIX D - EDR Historical Topographic Map Report

APPENDIX E - EDR Aerial Photo Decade Package

APPENDIX F - EDR Radius Map Report with GeoCheck

APPENDIX G - EDR Environmental Lien Search Report

APPENDIX H - Reconnaissance Photographs

APPENDIX I - Freedom of Information Act Request Information

APPENDIX J - Transaction Screen Questionnaire

## **1.0 EXECUTIVE SUMMARY**

Rosebud Mining Company (ROSEBUD) engaged the Thrasher Group Inc. (THRASHER) to conduct a Phase I Environmental Site Assessment (ESA) on a property where an operational liquid bulk storage and distribution facility, owned by Etowah River Terminal, LLC (ETOWAH) is located. The property is located on 1015 Barlow Drive in Charleston, Kanawha County, WV and is subsequently referred to in this report as “subject property” or study area. Please see Appendix A- Vicinity Maps of the site location. This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-05).

The purpose of this Phase I ESA is to identify, to the extent feasible, recognized environmental conditions in connection with the subject property. This assessment included a site reconnaissance database research, agency file reviews, and interviews with current owners / occupants, prospective buyers, and relevant third parties of the subject property. The subject property consists of four (4) parcels of land which totals approximately 4.55 acres in size. Approximate center coordinates of the study area are 38°22'08.30" N and -81°36'23.07" W. The subject property is zoned for business and was being used as a liquid bulk storage and distribution facility during the time of the site visit.

Based upon the investigation of the property for evidence of recognized environmental conditions, THRASHER recommends no further assessment of recognized environmental conditions appears to be warranted, providing the facility stays within compliance of its current land use covenant restrictions from the West Virginia Department of Environmental Protection (WVDEP) and there is not a release of hazardous materials or petroleum products impacting the soil, groundwater, or subsurface soil vapors.

### **1.1 PHASE I ESA**

In accordance with ASTM Standard E 1527-05, this Phase I ESA included reconnaissance of the subject and adjoining properties, interviews, and review of historical records and regulatory databases in an effort to identify evidence of recognized environmental conditions that may impact the property. This assessment has revealed the following evidence of recognized environmental conditions in connection with the subject property:

#### **ON-SITE CONDITIONS**

##### **Recognized Environmental Conditions**

- None

##### **Historical Recognized Environmental Conditions**

- None

### **Controlled Recognized Environmental Conditions**

- Facility previously operated under Pennzoil-Quaker State Company (PENNZOIL) entered the Voluntary Remediation Program (VRP) and was issued completion during December 2004, and now has a land use covenant in the deed.

### **OFF-SITE CONDITIONS**

#### **Recognized Environmental Conditions**

- None

#### **Historical Recognized Environmental Conditions**

- None

#### **Controlled Recognized Environmental Conditions**

- None

## **1.2 OTHER ENVIRONMENTAL ISSUES**

### **ASBESTOS**

The scope of this assessment did not include investigation or inspection of potential asbestos-containing material (ACM).

### **LEAD-BASED PAINT**

The scope of this assessment did not include investigation or inspection for the presence of lead-based paint at the subject property.

### **LEAD IN DRINKING WATER**

The scope of this assessment did not include investigation or testing for lead in drinking water.

### **RADON**

The scope of this assessment did not include the investigation or testing of radon levels.

### **WETLANDS**

The scope of this assessment did not include the investigation or identification of wetlands.

## **1.3 Recommendations**

Based on investigation of the property for evidence of recognized environmental conditions, THRASHER offers the following recommendations:

No further assessment of recognized environmental conditions appears to be warranted, providing the facility stays within compliance of its current land use covenant restriction from WVDEP and that there is not a release of hazardous materials or petroleum products impacting the soil, groundwater, or subsurface soil vapors.

This summary does not contain all the information found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

## **2.0 INTRODUCTION**

### **2.1 PURPOSE AND SCOPE**

This Phase I ESA was performed to search for evidence of recognized environmental conditions that may have an adverse environmental impact upon the property. The assessment included records review, interviews and reconnaissance to evaluate whether such conditions exist in connection with the property. The protocol utilized for this Phase I ESA was in general accordance with the requirements of ASTM Standard E 1527-05 as specified in the assessment contract. The purpose of conducting the Phase I ESA was to satisfy the request made by the client's lending institution. Assessment of other environmental issues beyond the scope of ASTM E 1527-05 was not performed in connection with the Phase I ESA. This report includes documentation to support the analysis, opinions and conclusions as presented.

### **2.2 SPECIAL TERMS AND CONDITIONS**

#### **AUTHORIZATION**

Authorization to perform this assessment was given on October 25, 2013 by ROSEBUD to THRASHER.

#### **PROPERTY ACCESS**

Instructions on the location of the property, access, and an explanation of the property and facilities to be assessed were provided by Mr. Gary Southern of ETOWAH.

#### **USE BY THIRD PARTIES**

This report was prepared pursuant to the contract THRASHER has with ROSEBUD. That contractual relationship included an exchange of information about the property that was unique and between THRASHER and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between THRASHER and its client, reliance or any use of this report by anyone other than ROSEBUD, for whom it was prepared, is prohibited and therefore not foreseeable to THRASHER.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to THRASHER's contract with ROSEBUD. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Third party reliance letters may be issued on request and upon payment of the then current fee for such letters. All third parties relying on THRASHER's reports, by such reliance, agree to be bound by the proposal and THRASHER's General Conditions. No reliance by any party is permitted without such agreement, regardless of the content of the reliance letter itself.

## 2.3 METHODOLOGY AND RESOURCES

### RECONNAISSANCE

Ground reconnaissance was conducted on November 6, 2013 by Jeffrey Todd of THRASHER. The ground reconnaissance consisted of observing the periphery of the property and viewing the site from accessible adjacent public thoroughfares. Interior portions of the property were systematically traversed to provide an overlapping field of view, wherever possible.

Visual reconnaissance of adjoining properties was limited to areas and facilities readily observable from the subject property or from public access areas. Photographs were taken to document the features observed during the reconnaissance and environmental conditions of concern, where possible. A photographic log and copies of the photographs are included in Appendix H.

### INTERVIEWS

Interviews were conducted with persons noted in the following table. Records of Communication from interviews in the table are included in Appendix J, and pertinent information reported by other interviewed parties is discussed in appropriate sections of the report.

Name	Title/Function	Affiliation	Date	Contact No.
Terry Cline	CFO	ETOWAH	11/6/13	(304) 342-2766
Matt Mazefsky	Prospective Buyer	ROSEBUD	11/12/13	(724) 545-6222
David Wagoner	Fire Chief	Pinch VFD	11/14/13	(304) 965-1657

Additionally, THRASHER unsuccessfully attempted to interview a representative from PENNZOIL who would have knowledge of the subject property prior property transfer to ETOWAH.

### ENVIRONMENTAL REGULATORY DATABASE INFORMATION

Information for the standard Federal, state, and tribal environmental record sources specified in ASTM Standard E 1527-05 § 7.2.1.1 was obtained through Environmental Data Resources, Inc. (EDR). The database information was reviewed to help identify evidence of recognized environmental conditions in connection with the subject property. Orphan sites listed in the database with insufficient address or geocoding information to be mapped were evaluated for potential location within the approximate minimum search distance (AMSD). Copies of the EDR research data and a description of the databases are included in Appendix F of this report.

### HISTORICAL USE INFORMATION

A history of the previous uses of the property, and properties in the surrounding area to the extent that this information was revealed in the course of researching the subject property, was developed consistent with practices specified in ASTM Standard E 1527-13 § 7.3. A summary of the standard historical sources and data reviewed by THRASHER is listed below. Copies of representative historical source information are provided in applicable Appendices.

Historical Data Source	Years Reviewed	Data Source/Publisher	Note
Aerial Photographs	1955, 1960, 1971, 1977, 1984, 1986,	EDR	

	1990, 1996, 2007, 2009, 2011		
Fire Insurance Maps	N/A	EDR	
Property Tax Map	Current	Kanawha County	
USGS Topographic Maps	1899, 1909, 1936, 1957, 1971, 1976, 1996	EDR	
Local Street Directories	1963, 1969, 1973, 1978, 1983, 1988, 1993, 1998, 2003, 2008, 2013	EDR/ Polk City Directories	
Zoning/Land Use Records	N/A		
Other Historical Records	N/A		
Record Land Title Records	N/A		
Note: N/A = Not Applicable			

According to the Historical Topographic Maps, the first obvious developed structure on or near the property identified in this assessment was in or around 1936. Looking at topographic mapping dated 1957; the site depicts its current configuration. Aerial mapping provided dated 1955 are difficult to view, however depicts the existing facility and current surrounding features. Historical information sources researched in this assessment allowed uses of the property to be traced from the present back to 1899. This predates the property's obvious first developed use and meets the minimum research limit per ASTM Standard E 1505-13 § 7.3.2.

**INFORMATION REPORTED BY USER**

- Pursuant to ASTM Standard E 1527-05 § 5.2 and § 5.3, THRASHER requested the client provide information on any environmental liens or activity and use limitations recorded against the property, communicate any specialized knowledge or experience material to recognized environmental conditions in connection with the property, and identify key site managers for interview purposes. Information reported has been incorporated into and is discussed in appropriate sections of the report.

**ASTM NON-SCOPE SERVICES**

Assessment of other environmental issues beyond the consideration of ASTM E 1527-05 was not conducted in connection with this Phase I ESA.

**STATEMENT OF PROFESSIONAL QUALIFICATIONS**

THRASHER is an environmental and engineering consulting firm headquartered in Bridgeport, West Virginia. THRASHER has a multi-disciplinary staff of engineers and scientists providing engineering (environmental, civil, and structural), site assessment, permitting, surveying/GIS, and environmental consulting services. Since 1983, THRASHER has performed numerous ESAs at sites having various levels of complexity for a variety of commercial and industrial clients.

**A Dayton Carpenter, Professional Engineer (P.E., LRS)** Mr. Carpenter served as the Principal peer review for the Phase I ESA. Mr. Carpenter is a registered Professional Engineer and Licensed Remediation Specialist in West Virginia, and has over 30 years of experience with engineering and environmental related consulting services. Mr. Carpenter has prepared Phase 1 and 2 ESAs and RCRA Facility Investigations for over fifty (50) commercial and industrial facilities. Mr. Carpenter is a Board Certified Environmental Engineer with the American Academy of Environmental Engineers.

**Jeffrey C. Todd, BS Wildlife and Fisheries Resources, Environmental Scientist.** Mr. Todd is an environmental scientist with THRASHER and performed the investigatory tasks associated with this Phase I ESA. Mr. Todd has over seven (7) years of relevant professional environmental experience including Phase I ESA, aquatic resource assessment and permitting, asbestos inspections, and characterization and remediation. Additionally, Mr. Todd has completed thirty (30) credit hours towards a Master of Science (MS) in Environmental Science.

THRASHER declares that, to the best of our professional knowledge and belief, Mr. Todd meets the definition of an environmental professional as defined in 312.40 of CFR 312. Mr. Todd has the specific qualifications based on training, experience, and education to assess a property of the specific nature and history of the subject property.

#### **2.4 LIMITATIONS OF ASSESSMENT**

Along with all of the limitations set forth in various sections of the ASTM Standard E 1527-05 protocol, the accuracy and completeness of this report is necessarily limited by the following:

- Access Limitations – None
- Physical Obstructions to Observations – None
- Outstanding Information Requests – Have been unable to contact a representative from PENNZOIL
- Historical Data Source Failure – None
- Other – None

#### **2.5 SIGNIFICANT ASSUMPTIONS**

THRASHER has made the following significant assumptions in the preparation of this report:

- Groundwater Flow Direction – The direction of groundwater flow in the area of the property has been inferred based on site observations of topographic slope, proximity of nearby water bodies, EDR GeoCheck data, and review of the current USGS topographic map.
- Regulatory Records Information –THRASHER assumes all information provided by EDR regarding the regulatory status of facilities within the AMSD is complete, accurate, and current.

### **3.0 PROPERTY DESCRIPTION AND PHYSICAL SETTING**

#### **3.1 LOCATION AND LEGAL DESCRIPTION**

The subject property, currently known as Etowah River Terminal, is an operational liquid bulk storage and distribution facility, located in the city of Charleston on 1015 Barlow Drive, Kanawha County, West Virginia.

The subject property's location is identified on the vicinity maps provided in Appendix A.

The legal description for the subject property provided by EDR from the Kanawha County Tax Office is as follows: The legal description can also be found in Appendix G.

District Elk, Tax Map 44L, Parcels 30, 31, 32 & 33, Deed Books 2541/Pg. 126, owned by ETOWAH.

#### **3.2 PROPERTY VICINITY CHARACTERISTICS**

The property is located just north of the west side and east end downtown portions of Charleston, WV on 1015 Barlow Drive bordering the 500-year flood zone. The property is dominated by both gravel and asphalt parking areas with offices, garages and an AST tank farm present. Major vicinity characteristics of the subject property include the undeveloped woodland and riverbank to the north, residential properties and riverbank to the south, hillside / woodland to the east and the Elk River to the west. Both aerial and topography vicinity maps can be found in Appendix A.

#### **3.3 DESCRIPTION OF PROPERTY AND IMPROVEMENTS**

The subject property consists of four (4) parcels which total approximately 4.55 acres having historically been used as a distribution terminal of liquid industrial products. ETOWAH purchased and began using the property in 2001 from PENNZOIL. The subject property is flat with the elevation being approximately 600 feet above sea level. Approximately 2/3 of the subject property is an industrial tank yard and loading area while the remaining portions are office space and garage locations with two (2) main structures being present.

Improvements to the property include entering into the VRP program under PENNZOIL and completing remediation activities in 2004.

#### **UTILITIES**

Utility systems identified at the property, as specified in ASTM Standard E 1527-05 § 8.4.1 and § 8.4.3 are as follows:

- Public utilities available to the area of the site included electricity, water, natural gas and telephone services.
- Private utilities include a septic system as reported by Mike Burdette, director of operations at ETOWAH.

### **3.4 PHYSICAL SETTING**

#### **TOPOGRAPHIC MAP REVIEW**

A current United States Geological Survey (USGS) 7.5 minute topographic map showing the area where the property is located was obtained and reviewed as specified in ASTM Standard E 1527-05 § 7.2.3. The 1971 USGS Charleston East quadrangle map was reviewed. According to the contour lines on the topographic map, elevations of the subject property are approximately 600' above sea level. The contour lines of the area indicate flat river bottom terrain. According to the USGS topographic maps, no surface mining impacts are evident on the subject property.

#### **SOIL/HYDROLOGIC SETTING INFORMATION**

The subject property is located primarily within the Udorthents smoothed soil component name. This soil component does not depict any particular soil texture or drainage class.

The subject property is located on the Elk River, approximately 2.5 miles north of the Kanawha River in city / urban environment downtown Charleston WV. Additionally, Two Mile Creek is located just south of the subject property, which flows into the Elk River. No unnamed tributaries (UNTs) were identified on the subject property during the site visit.

#### **SUPPLEMENTAL PHYSICAL SETTING INFORMATION**

The following discretionary physical setting sources pursuant to ASTM Standard E 1527-05 § 7.2.3, were obtained and reviewed to provide supplemental information regarding geology, hydrogeology, soil conditions, and flood plains in the vicinity of the property:

*EDR GeoCheck-* EDR GeoCheck was used to review available physical data related to the subject property and the information was, in part, used in the evaluation of conditions revealed in other sections of this assessment in determination of whether or not the conditions represented recognized conditions at the site. The full GeoCheck report is included as Appendix F to this assessment report.

### **4.0 PROPERTY USAGE**

#### **4.1 CURRENT USES OF THE PROPERTY**

Current use of the property as determined through observation, interviews and records review is described below.

The subject property is currently used as a liquid bulk storage and distribution facility by ETOWAH. Photographs showing prominent features of the subject property are provided in Appendix H. The User should refer to Section 6 of this report for additional site reconnaissance details.

#### **4.2 PAST USES OF THE PROPERTY**

To the extent that indications of past uses of the property were identified through historical records review, reconnaissance observation, interviews, or through client provided information, they are identified below.

Years (s)	
1955	Industrial liquid storage of petroleum products and distribution facility
1960	Industrial liquid storage of petroleum products and distribution facility
1971	Industrial liquid storage of petroleum products and distribution facility
1977	Industrial liquid storage of petroleum products and distribution facility
1984	Industrial liquid storage of petroleum products and distribution facility
1986	Industrial liquid storage of petroleum products and distribution facility
1990	Industrial liquid storage of petroleum products and distribution facility
1996	Industrial liquid storage of petroleum products and distribution facility
2007	Industrial liquid storage and distribution facility
2009	Industrial liquid storage and distribution facility
2011	Industrial liquid storage and distribution facility

### 4.3 ENVIRONMENTAL LIENS

THRASHER interviewed Terry Cline – Chief Financial Officer for ETOWAH concerning the subject property, in Charleston, West Virginia. Mr. Cline reported no knowledge of environmental liens of the property, but did indicate the presence of a land use covenant issued by the WVDEP on the subject property.

THRASHER submitted for EDR review of any environmental liens of the subject property on October 25, 2013. EDR searched records and followed with a report found in Appendix G dated November, 4 2013 indicating no environmental liens or activity and use limitations (AUL) were found in relation to the subject property.

THRASHER also received communication from the WVDEP Office of Environmental Remediation (OER) that indicated a land use covenant was placed on the subject property which would also be considered an AUL. A copy of the land use covenant can be found in Appendix I.

### 4.4 CURRENT AND PAST USES OF ADJOINING PROPERTIES

To the extent indications of current and past uses of adjoining properties were identified through reconnaissance observation, interviews, records review or through client provided information, they are described below. Locations of adjoining properties discussed can be found on the vicinity maps in Appendix A. Photographs showing prominent features of adjoining properties are provided in Appendix H.

Years (s)	Description of Past Property Use
<b>North</b>	
1955	Undeveloped woodland and river bank
1960	Undeveloped woodland and river bank
1971	Undeveloped woodland and river bank
1977	Undeveloped woodland and river bank
1984	Undeveloped woodland and river bank
1990-Current	Undeveloped woodland and river bank

<b>South</b>	
1955	Residential properties and river bank
1960	Residential properties and river bank
1971	Residential properties and river bank
1977	Residential properties and river bank
1984	Residential properties and river bank
1990-Current	Residential properties and river bank
<b>East</b>	
1955	Undeveloped woodland and Yeager Airport
1960	Undeveloped woodland and Yeager Airport
1971	Undeveloped woodland and Yeager Airport
1977	Undeveloped woodland and Yeager Airport
1984	Undeveloped woodland and Yeager Airport
1990-Current	Undeveloped woodland and Yeager Airport
<b>West</b>	
1955	Elk River
1960	Elk River
1971	Elk River
1977	Elk River
1984	Elk River
1990-Current	Elk River

The historical information developed and reviewed for adjoining properties revealed no evidence of recognized environmental conditions in connection with the subject property. Unless further information is presented that indicates the subject property being impacted, we do not consider these adjacent properties to the east and west to be a historically recognized environmental condition in relation to the subject property at this time.

The User should refer to Section 6 of this report for additional site reconnaissance information on the current use of adjoining property. Photographs showing prominent features of adjoining properties are provided in Appendix H.

## **5.0 ENVIRONMENTAL REGULATORY RECORDS REVIEW**

### **5.1 Freedom of Information Request**

Citing the Freedom of Information Request Act (FOIA), THRASHER contacted the WVDEP and the United States Environmental Protection Agency (USEPA) Region III offices requesting access to files the agency maintains for the site and nearby of interest. Copies of these requests can be found in Appendix I.

- THRASHER received responses from the WVDEP concerning the FOIA request from the OER, UST, water permits, and air quality sections. The OER section has records of the land use covenant placed upon the property, which is described in further detail within other sections of the report. Additionally, the UST division has records of two (2) USTs described in greater

detail below in section 5.3. Finally, the air quality and water permits records were not reviewed, because it is believed these files are unlikely to contain information regarding soil, groundwater water, or subsurface soil vapor contamination.

At the time this ESA was completed, THRASHER had not received a response from the USEPA concerning the FOIA request. If files are made available for review, which identify a potential environmental concern, THRASHER requests the opportunity to modify this report accordingly.

## **5.2 Environmental Records Search**

A review of regulatory programs was completed by the EDR for the subject site and properties within the standard search area of the site. A full copy of the EDR report can be found in Appendix F.

## **5.3 Subject Property Database Findings**

The following records within the AMSD were identified through the Federal and State environmental review.

### **RCRA NonGen / NLR, US AIRS**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. A search of the RCRA database revealed one (1) NonGen site located at the subject property.

The NonGen site is known as Pennzoil Quaker State Company (EPA RCRA-NonGen 1000323939 and US AIRS WVD055573745). This operator was located at the subject property in Charleston, WV at (1015 Barlow Drive). A universal waste summary consists of waste types such as batteries, lamps, pesticides, and thermostats. The following types of hazardous wastes are stored or handled onsite:

- 1) 1) RCRA Waste Code: D000 the specific ignitable hazardous waste was not named or defined
- 2) Ignitable hazardous waste with a flashpoint below 140° F (RCRA Waste Code: D001); lacquer thinner is an example of a commonly used solvent which would be considered as an ignitable hazardous waste.
- 3) Benzene (RCRA Waste Code: D018)

It is our professional opinion that this reporting has not impacted the subject property for several reasons: (1) a minimal amount of hazardous waste was handled onsite, (2) the operator did not generate the waste and (3) past violations have met compliance standards or the area of violation was not reported.

## **NPDES**

A search of the EDR NPDES database revealed storm water individual permit (WVG610920) for ETOWAH. This active industrial general storm water permit expires on 3/31/14.

It is our professional opinion that this reporting has not impacted the subject property for several reasons: (1) storm water is unlikely to impact soils or groundwater, (2) routine state level inspections are conducted and (3) the permit is currently active and no violations were found on the WVDEP permit website.

## **LUST**

The Leaking Underground Storage Tank (LUST) Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the Department of Commerce, Labor & Environmental Resources' Leaking Underground Storage Tanks database

The LUST list included leak number 90-062 with a release date of 6/28/1990 and clean-up being initiated on 7/31/13. From conversations with the WVDEP, both THRASHER and the WVDEP believe this finding is incorrect and was caused by a computer error when entering data pertaining to another site. Because it has been determined this database finding is incorrect, it is our professional opinion it does not pose a risk to the subject property. An email communication confirming the incorrect finding from the WVDEP can be found in Appendix I.

## **UST**

The UST database contains registered USTs. USTs are regulated under Subtitle I of RCRA. The data comes from the Department of Commerce, Labor & Environmental Resources. A search of the State and tribal registered storage tank list the subject property (EPA ID: U003436561). These USTs included one (1) 2,000 gallon Gasoline and one (1) 3,000 gallon Diesel tanks.

Because these USTs are not identified in any LUST records and have been permanently removed from the ground, it is our professional opinion these items do not pose a significant risk to the environmental integrity of the subject property.

## **WV Institutional Controls**

A search of the WV institutional controls program lists the subject property under applicant PENNZOIL, project ID 04506 and facility ID 64 respectfully. A land use covenant was placed upon the subject property after completing remediation efforts under the VRP program in December 2004. Considering requirements within the VRP program are complete, it is our professional opinion that this institutional control does not pose a significant risk to the subject property, providing the control measures are followed.

## VRP

A search of the VRP database has revealed one (1) applicant in relation to the subject property. The remediation project number under the WVDEP is 04506 and names PENNZOIL as the applicant with a completion date of December 2004. Because the obligations under the VRP have been completed and institutional controls have been in place, it is our professional opinion this finding no longer poses a risk to the subject property providing the institutional controls are maintained. A list of the contaminants remediated for can be found in table 3 of the land use covenant found in Appendix I.

## FINDS

A search of the EDR FINDS database revealed ETOWAH, Poca Blending LLC, and PENNZOIL in connection to the subject property. Registry ID numbers are 110010851541, 110010869658, and 110000344333 respectfully. No relevant data or information was provided in these findings as this data base typically provides pointers to other sources that contain more detail.

## RCRA-CESQG

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 100 kg or less of hazardous waste, or less than 1kg of acutely hazardous waste per month.

A search of the RCRA-CESQG database revealed ETOWAH (EPA ID 1005906367) as generating the following wastes.

- 1) Ignitable hazardous waste with a flashpoint below 140° F (RCRA Waste Code: D001); lacquer thinner is an example of a commonly used solvent which would be considered as an ignitable hazardous waste.
- 2) Spent Non-Halogenated solvents (RCRA Waste Code: F003) Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, and Methanol.
- 3) Spent Non-Halogenated solvents (RCRA Waste Code: F005) Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-ethoxyethanol, and 2-nitropropane.

It is our professional opinion this reporting has not impacted the subject property for several reasons: (1) a minimal amount of hazardous waste was handled onsite, (2) the operator is considered conditionally exempt (3) no violations have been reported.

#### **5.4 Adjoining Property Database Findings**

Adjoining properties as defined in ASTM Standard E 1527-05 § 3.3.2 were not identified through the Federal and State environmental records review.

#### **5.5 Non-Adjoining Property Database Findings**

The following records within the AMSD were identified through the Federal and State environmental review. Select databases are discussed below. Full database review information is available in Appendix F.

#### **UST**

A search of the State and tribal registered storage tank list Smith Concrete (EPA ID: U003797028). This UST record included one (1) 10,000 gallon diesel tank considered permanently out of service, being removed from the ground.

Because this UST is not identified in any Leaking Underground Storage Tank (LUST) records and it has been permanently removed from the ground, it is our professional opinion that this item does not pose a significant risk to the environmental integrity of the subject property. Additionally, the property is at a lower elevation and separated by the Elk River from the subject property.

#### **RCRA NonGen / NLR / FINDS**

A search of the RCRA database revealed that one (1) NonGen sites located in Charleston WV at (2120 Pennsylvania Avenue). The NonGen site is known as Russo Frank Auto Service Center (EPA RCRA-NonGen 1000583847 and FINDS WVD988777397). The following types of hazardous wastes are stored or handled onsite:

- 1) RCRA Waste Code: D001 the specific ignitable hazardous waste was not named or defined
- 2) Ignitable hazardous waste with a flashpoint below 140° F (RCRA Waste Code: D001); lacquer thinner is an example of a commonly used solvent which would be considered as an ignitable hazardous waste.

It is our professional opinion this reporting has not impacted the subject property for several reasons: (1) a minimal amount of hazardous waste was handled onsite, (2) the facility is at a lower elevation than the subject property (3) no violations have been reported at this site location.

#### **RCRA-CESQG/ FINDS / NY MANIFEST**

A search of the RCRA database revealed one (1) CESQG site located in Charleston WV at (2108 Pennsylvania Avenue). The CESQG site is known as R M S Inc. (EPA RCRA-CESQG 1004803319 and FINDS WVD988801700). The following types of hazardous were generated in small quantities at the above site:

1) Ignitable hazardous waste with a flashpoint below 140° F (RCRA Waste Code: D001); lacquer thinner is an example of a commonly used solvent which would be considered as an ignitable hazardous waste.

2) Spent Non-Halogenated solvents (RCRA Waste Code: F003) Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, and Methanol.

3) Spent Non-Halogenated solvents (RCRA Waste Code: F005) Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-ethoxyethanol, and 2-nitropropane.

Additionally, manifest reports were provided by EDR which tracks hazardous waste from the generator through transporters to a TSD facility. Within this report, records of waste codes F003 and F005 were provided under EPA ID WVD988801700.

It is our professional opinion this reporting has not impacted the subject property for several reasons: (1) a minimal amount of hazardous waste was handled onsite, (2) the facility is at a lower elevation than the subject property (3) no violations have been reported.

## **FUDS**

This listing includes locations of Formerly Used Defense Sites (FUDS) properties where the US Army Corps of Engineers (USACE) is actively working or will take necessary cleanup actions. A review of the FUDS list, as provided by EDR, and dated 12/31/11 has revealed there is one (1) site within approximately 1 mile of the target property. The FUDS site is known as Yeager Air National Guard (ID 1012129483) and was formerly used as a vehicle maintenance area for the National Guard. There are two (2) proposed projects on the site. The areas of contamination are a vehicle maintenance area and four (4) abandoned USTs.

Additionally, THRASHER spoke with Frank Albert environmental engineer from the USACE Huntington District, who is / was the project technical lead regarding this FUDS project. Mr. Albert indicated site investigations and remediation efforts were conducted on two (2) locations within the Air National Guard facility and no further actions (NFA) documents were issued. These documents can be obtained by contacting Mr. Albert at (304) 399-5760.

It is our professional opinion that this reporting has not impacted the subject property for several reasons: (1) the site location is approximately 0.53 miles from the subject property (2) remediation efforts have been completed and No Further Actions (NFAs) were issued (3) it is currently being used by the Air National Guard.

## **Orphan**

Orphan sites listed in the database with insufficient address or geocoding information to be mapped were evaluated for potential location within the approximate minimum search distance

(AMSD). During this search, forty six (46) locations were identified. These locations gave only information such as name, city, street address, and the database where found. No detailed information or elevations/distances to the subject property were given. A list of the orphan sites found with their corresponding address and database(s) can be found in Appendix F.

## 6.0 RECONNAISSANCE FINDINGS

### 6.1 Subject Property Reconnaissance Findings

A list of uses and conditions consistent with ASTM Standard E 1527-05 § 8.4 indicating the likelihood of recognized environmental conditions in connection with the property is provided below. Photographs showing prominent features of the subject property are provided in Appendix H.

#### IDENTIFIED

YES	NO	
	X	Hazardous Substances In Connection With Identified Uses
	X	Petroleum Products In Connection With Identified Uses
X		Aboveground or Underground Storage Tanks (ASTs/USTs)
	X	Suspect Containers Not In Connection With Identified Use
	X	Electrical or Mechanical Equipment Likely To Contain PCBs
	X	Interior Stains or Corrosion
	X	Drains or Sumps
	X	Wastewater Discharges
X		Septic or Sewage Tanks
	X	Pits, Ponds or Lagoons
	X	Pools of Liquid or Standing Water
	X	Solid Waste Dumping, Landfills or Suspect Fill Material
X		Stained Soil or Pavement
	X	Stressed Vegetation
	X	Wells
	X	Odors
	X	Other Uses or Conditions of Concern

Currently thirteen (13) numbered and six (6) unnumbered ASTs are present on the site containing raw and diluted chemicals such as glycerin, MCHM, calcium chloride and salts used in the blending process for transportation of coal. A table listing the associated chemicals in relation to their respective tanks on the day of site visit can be found in Appendix H. Additionally, minimal amounts of staining were observed within the dike area of the ASTs and the garage location of the subject property. Finally, the subject property is serviced by a private septic waste disposal system.

### 6.2 ADJOINING PROPERTY RECONNAISSANCE FINDINGS

A list of uses and conditions identified on adjoining properties consistent with ASTM Standard E 1527-05 § 8.4 indicating the likelihood of recognized environmental conditions in connection with the subject property is provided below. For each of the uses or conditions identified on adjoining properties, detailed information is discussed following the summary along with an opinion about

the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property. Photographs showing prominent features of the adjoining properties are provided in Appendix H.

**IDENTIFIED**

YES	NO	
	X	Hazardous Substances In Connection With Adjoining Property Use
	X	Petroleum Products In Connection With Adjoining Property Use
	X	Aboveground or Underground Storage Tanks (ASTs/USTs)
	X	Suspect Containers Not in Connection With Identified Use
	X	Electrical or Mechanical Equipment Likely To Contain PCB
	X	Stains or Corrosion on Interior of Facility
	X	Drains or Sumps
	X	Wastewater Discharges
	X	Septic or Sewage Tanks
	X	Pits, Ponds or Lagoons
	X	Pools of Liquid or Standing Water
	X	Solid Waste Dumping, Landfills or Suspect Fill Material
	X	Stained Soil or Pavement
	X	Stressed Vegetation
	X	Wells
	X	Odors
	X	Other Uses or Conditions of Concern

**7.0 FINDINGS AND CONCLUSIONS**

**7.1 PHASE I ENVIRONMENTAL SITE ASSESSMENT**

THRASHER has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of the ASTM Standard E 1527-05 protocol for the Etowah River Terminal property on 1015 Barlow Drive Charleston, West Virginia. Exceptions to or deletions from this protocol are discussed earlier in this report. This assessment has revealed evidence of known recognized environmental conditions in connection with the subject property.

**ON-SITE CONDITIONS**

**Recognized Environmental Conditions**

- None

**Historical Recognized Environmental Conditions**

- None

**Controlled Recognized Environmental Conditions**

- Facility previously operated under PENNZOIL entered the VCP and was issued completion during December 2004; however the property currently has a land use covenant placed against it.

## **OFF-SITE CONDITIONS**

### **Recognized Environmental Conditions**

- None

### **Historical Recognized Environmental Conditions**

- None

### **Controlled Recognized Environmental Conditions**

- None

## **8.0 RECOMMENDATIONS**

Based on investigation of the property for evidence of recognized environmental conditions and other environmental issues, THRASHER offers the following recommendations.

No further assessment of recognized environmental conditions appears to be warranted, providing the facility stays within compliance of its current land use covenant restriction from WVDEP and there is not a release of hazardous materials or petroleum products impacting the soil, groundwater, or subsurface soil vapor.

## **9.0 WARRANTY**

### **Phase I Environmental Site Assessment**

THRASHER warrants that findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the ASTM Standard E 1527-05 protocol. These methodologies are described by the standard as representing good commercial and customary practice for conducting an Environmental Site Assessment of a parcel of property for the purpose of identifying recognized environmental conditions. However, these findings and conclusions contain all of the limitations inherent in these methodologies referred to in the protocol and some of which are more specifically set forth below.

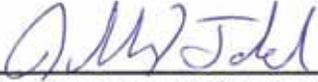
### **Unidentifiable Conditions**

There is a possibility even with proper application of these methodologies, conditions may exist on the property that could not be identified within the scope of the assessment or were not reasonably identifiable from the available information. THRASHER believes the information obtained from the records review and the interviews concerning the property are reliable. However, THRASHER cannot and does not warrant or guarantee the information provided by these other sources is accurate or complete. The methodologies of this assessment are not intended to produce all inclusive or comprehensive results, but rather to provide the client with information regarding apparent suspicions of existing and potential adverse environmental conditions relating to the subject property.

No other warranties are implied or expressed.

## 10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

THRASHER declares that, to the best of our professional knowledge and belief, Jeffrey Todd meets the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. Mr. Todd has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



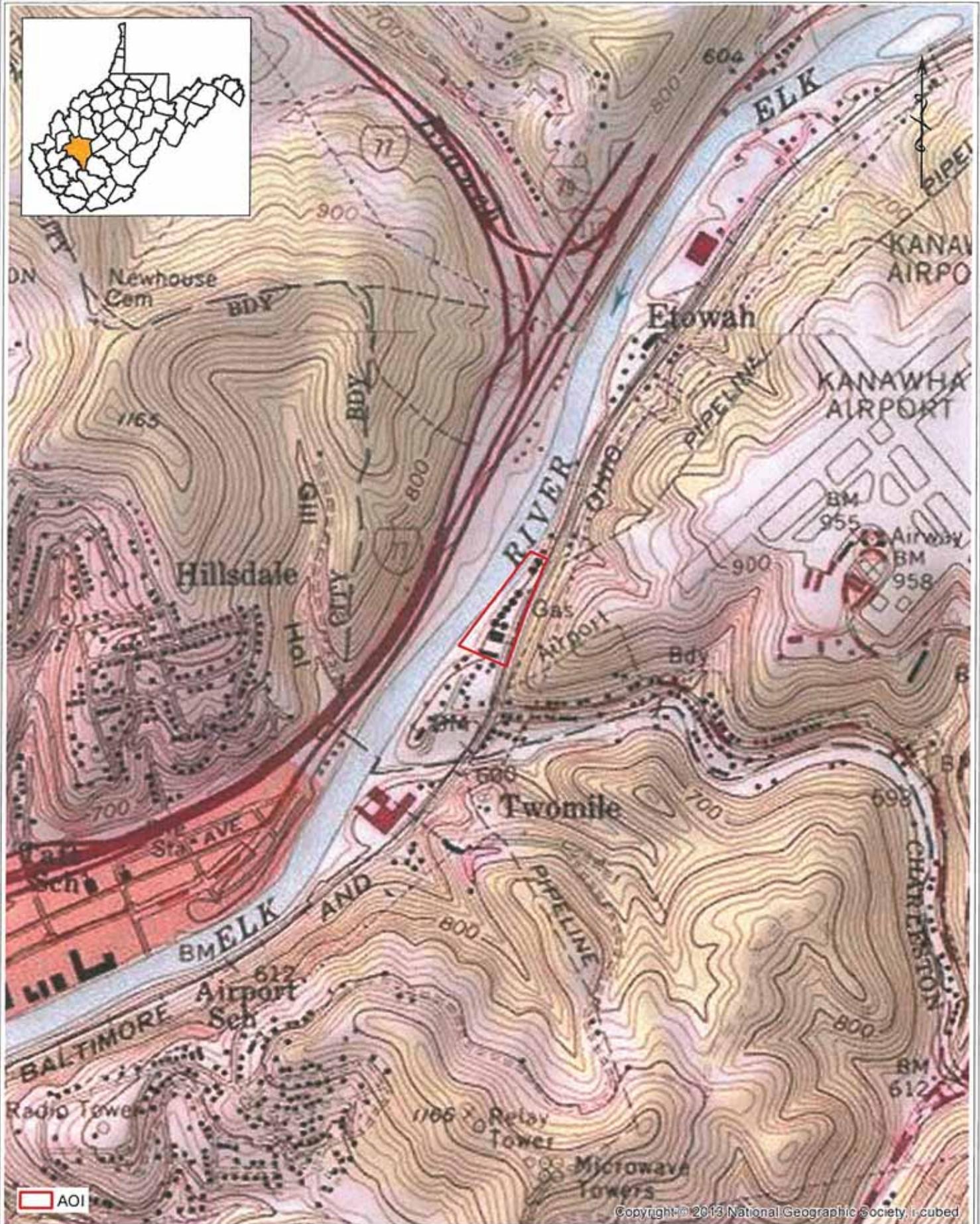
---

**Prepared by: Jeffrey Todd  
Environmental Scientist**



---

**A. Dayton Carpenter, P.E., LRS  
Board Certified Environmental Engineer**



Copyright © 2013 National Geographic Society, Inc. cubed



1 inch = 1,000 feet

Vicinity Map  
Etowah River Terminal  
Kanawha County - West Virginia

THRASHER

11/4/2013



 AOI

Source: Esri, DigitalGlobe, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community



1 inch = 400 feet

Vicinity Map  
Etowha River Terminal  
Kanawha County - West Virginia

THRASHER

11/4/2013



**Etowah River Terminal**

1015 Barlow Drive

Charleston, WV 25311

Inquiry Number: 3768426.3

October 25, 2013



**Certified Sanborn® Map Report**



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

10/25/13

**Site Name:**

Etowah River Terminal  
1015 Barlow Drive  
Charleston, WV 25311

**Client Name:**

Thrasher Engineering, Inc.  
300 Association Drive  
Charleston, WV 25311



EDR Inquiry # 3768426.3

Contact: Jeffrey Todd

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Thrasher Engineering, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Etowah River Terminal  
**Address:** 1015 Barlow Drive  
**City, State, Zip:** Charleston, WV 25311  
**Cross Street:**  
**P.O. #** 202-70-0274  
**Project:** Etowah River Terminal  
**Certification #** F523-482A-9A50



Sanborn® Library search results  
Certification # F523-482A-9A50

## UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

## Limited Permission To Make Copies

Thrasher Engineering, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

### Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

**Etowah River Terminal**

1015 Barlow Drive  
Charleston, WV 25311

Inquiry Number: 3768426.6  
October 31, 2013

## The EDR-City Directory Image Report



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1994	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1988	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1983	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1978	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1973	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

### RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

## FINDINGS

### TARGET PROPERTY STREET

1015 Barlow Drive  
Charleston, WV 25311

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### BARLOW DR

2013	pg A1	Cole Information Services	
2008	pg A2	Cole Information Services	
2003	pg A3	Cole Information Services	
1999	pg A4	Cole Information Services	
1994	pg A5	Polk's City Directory	
1988	-	Polk's City Directory	Target and Adjoining not listed in Source
1983	-	Polk's City Directory	Street not listed in Source
1978	-	Polk's City Directory	Street not listed in Source
1973	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

**City Directory Images**

**BARLOW DR 2013**

901	OCCUPANT UNKNOWN
903	ANGELA SEXTON
905	BETTY ESTEP JAMES VERMILLION
924	AMBER MACE JAMES VERMILLION
927	DEFENSE SOLUTIONS LLC GRINSTEAD GROUP INC HERITAGECRYSTAL CLEAN MOUNTAINEER PACKAGING RENTACENTER ROMANOFF FLOOR COVERING YOUNGS INC WAREHOUSE
962	OCCUPANT UNKNOWN
964	CLARENCE FLECK JOHN THWEATT SARAH HANCOCK
970	AMY WOOD
1007	DEBORAH GREENE
1009	JOHN HARRAH
1015	ETOWAH RIVER TERMINAL FISHER & GILKESON FREEDOM INDUSTRIES
1146	RONALD MILLER
1148	DONALD SPENCER
1317	OCCUPANT UNKNOWN



-

**BARLOW DR 2008**

901	OCCUPANT UNKNOWN
903	MISTY HISSOM
905	BETTY ESTEP JAMES VERMILLION
924	JAMES VERMILLION
925	ARTISTIC PRINTING & SOUVENIRS DAVID CROWN ENTERPRISES PREMIER DELIVERY SERVICE
927	AUGUSTA CONSTRUCTION SERVICES GRINSTEAD GROUP INC HERITAGE CRYSTAL CLEAN LLC NEIGHBORCARE AT HOME PHALEN FLOOR COVERING LLC YOUNGS INC WAREHOUSE
962	OCCUPANT UNKNOWN
964	CLARENCE FLECK JOHN SHAMBLIN OCCUPANT UNKNOWN ROY MARTIN SCOTT HILL
966	OCCUPANT UNKNOWN
968	OCCUPANT UNKNOWN
972	JOHN FLECK
1007	J SCHOTT OCCUPANT UNKNOWN
1009	M HARRAH
1015	ETOWAH RIVER TERMINAL FREEDOM INDUSTRIES INC ROY A GILKESON
1048	EARL KENDRICK
1143	RICHARD HARRIS
1145	R CHEWNING
1146	EARL MILLER
1147	JOHN CLAY
1148	DONALD SPENCER
1317	MICHAEL BURDETTE
1321	WILLIAM WHITLEY
1329	JAMES LAWSON
1333	JERRY GRADY THE INTERNATIONAL ASSN OF LIONS CLUB
1335	JUSTIN UNDERWOOD



-

**BARLOW DR 2003**

901	JANET DAVIS
903	TERRY SEXTON
905	WILLIAM ESTEP
920	EARL MILLER
922	WALTER STRICKER
924	LOUISE VERMILLION
925	BRINKS ARMORED INC CONTINENTL FLOORING CO CRANE AMERICA SERVICES KEYSTONE MNTNR POWER SYSTM INC
927	ANDERSON C E CHARLESTON ACOUSTICS ELEPHANT TALK MID ATLANTIC TRUCK ACCESSORIES YOUNGS INC
964	CLARENCE FLECK KRISTY HILL OCCUPANT UNKNOWN ROY MARTIN
966	JEREMIAH JENKINS
968	HODE KIRK VIOLET MOATS
972	DORIS WITHROW
1007	DEBORAH GREENE OCCUPANT UNKNOWN THOMAS SCHOTT
1009	JOHN HARRAH
1015	ROY GILKESON
1143	RICHARD HARRIS
1145	R CHEWNING
1146	TINA MILLER
1147	JOHN CLAY
1317	MICHAEL BURDETTE
1321	WILLIAM WHITLEY
1329	JAMES LAWSON
1333	CLYDE GRIFFIN INTERNATIONAL ASSOCIATION OF L
1335	ROBERT RUSHTON



-

**BARLOW DR 1999**

0	ROY MARTIN
901	KAY DAVIS
903	TERRY SEXTON
905	WILLIAM ESTEP
920	EARL MILLER
922	LOUISE VERMILLION
	WALTER STRICKER
924	JAMES VERMILLION
925	PARK TOURS
927	ANDERSON C E
	C ANDERSON
	CHARLESTON ACOUSTICS SUPPLY HOUSE
	DURALINER USA
	HUFCOR ACCORDIAN DOORS & FOLDING PARTITIONS
	NEW RIVER ALE
	YOUNGS INCORPORATED WAREHOUSE
960	GOLDIE MILLER
962	OCCUPANT UNKNOWN
964	BARBARA BURGESS
	BEULAH MAYS
	C FLECK
966	FRED HINZMAN
968	LISA BELCHER
970	OCCUPANT UNKNOWN
1007	DEBORAH GREENE
1009	JOHN HARRAH
1015	PENNZOIL PRODUCTS COMPANY DIVISION OFFICE
1048	JAMES BOWERS
1138	JOHN ESTEP
1140	G ESTEP
1143	RICHARD HARRIS
1145	JERRY TURNER
1146	TINA MILLER
1147	JOHN CLAY
1321	WILLIAM WHITLEY
1329	OCCUPANT UNKNOWN
1333	CLYDE GRIFFIN
	MARY PRICE

✓

-

BARLOW DR 1994

1515 Not Verified  
• DEAD END  
11 HOUSEHOLDS

7-B

BARLOW DR -FROM BULLITT ST TO  
TWILIGHT DR

• ZIP CODE 25311

103

BARNES PL -FROM 61 N ABNEY CIR  
NORTHEAST 1 EAST OF FOREST RD

• ZIP CODE 25314

• N ABNEY CIR INTERSECTS



**Etowah River Terminal**

1015 Barlow Drive

Charleston, WV 25311

Inquiry Number: 3768426.4

October 29, 2013



## EDR Historical Topographic Map Report

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

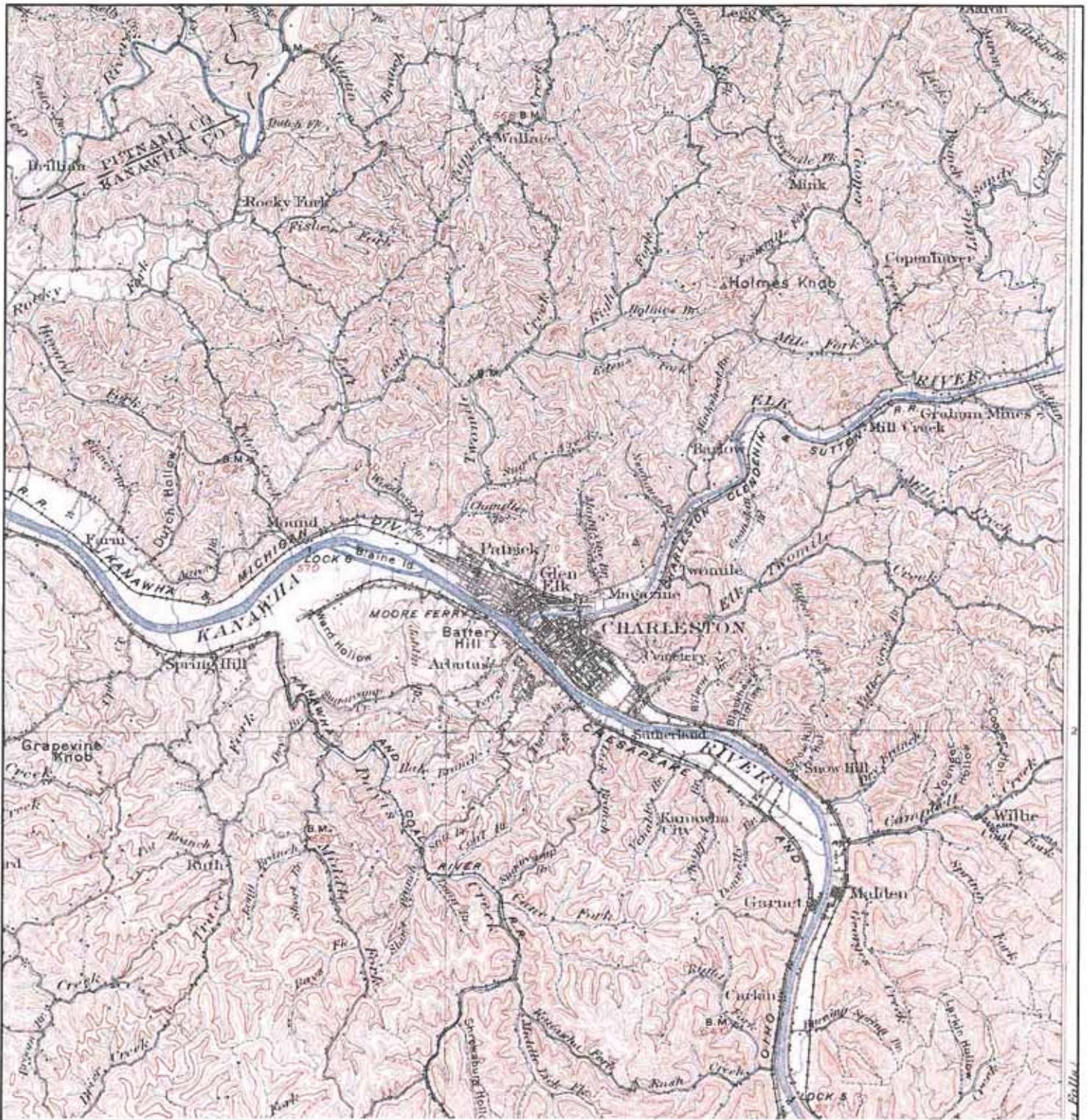
## **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

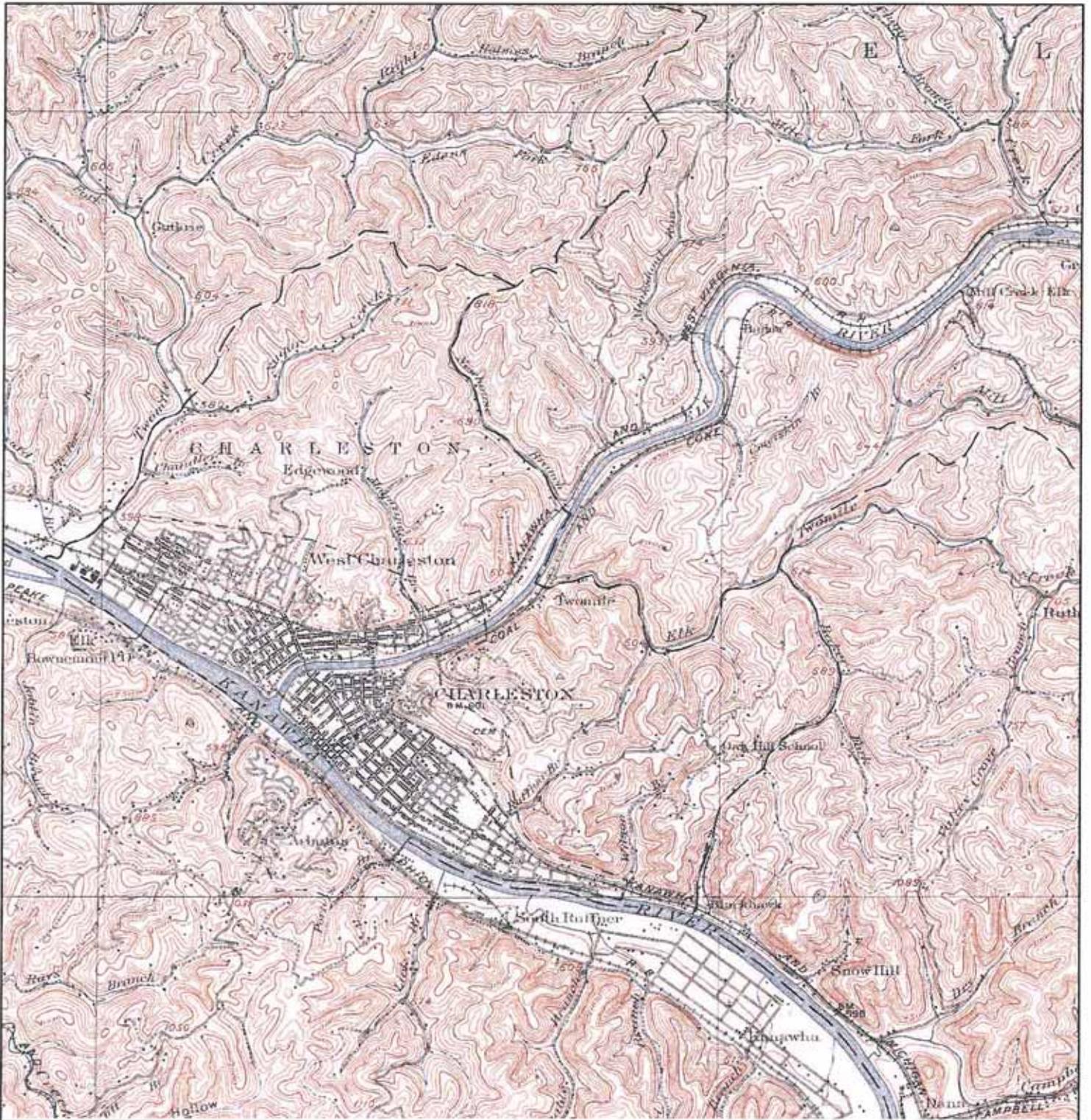
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

# Historical Topographic Map



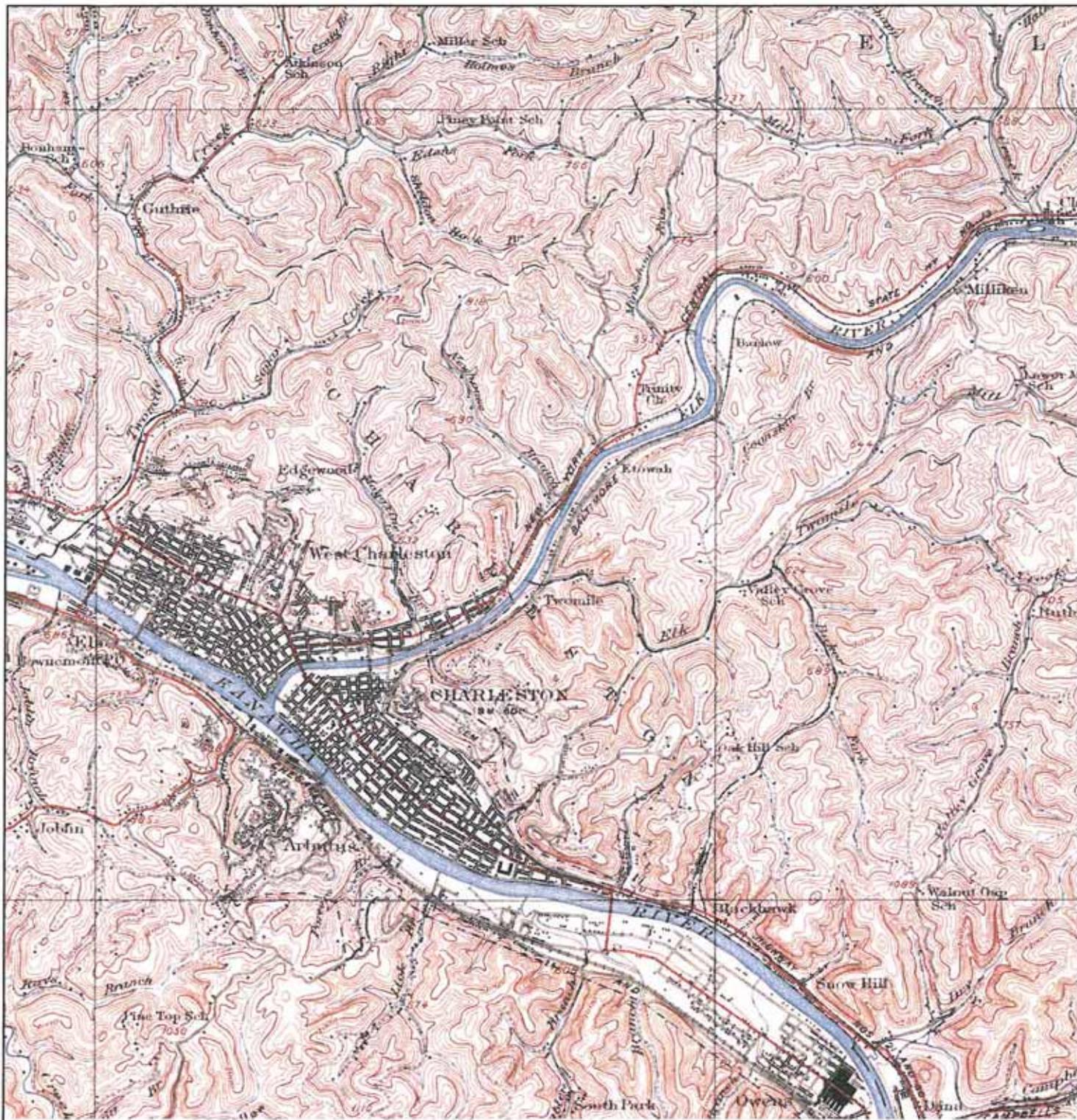
<b>N</b> 	<b>TARGET QUAD</b> NAME: CHARLESTON MAP YEAR: 1899	<b>SITE NAME:</b> Etowah River Terminal <b>ADDRESS:</b> 1015 Barlow Drive Charleston, WV 25311 <b>LAT/LONG:</b> 38.3689 / -81.6065	<b>CLIENT:</b> Thrasher Engineering, Inc. <b>CONTACT:</b> Jeffrey Todd <b>INQUIRY#:</b> 3768426.4 <b>RESEARCH DATE:</b> 10/29/2013
	SERIES: 30 SCALE: 1:125000		

# Historical Topographic Map



N ↑	TARGET QUAD NAME: CHARLESTON MAP YEAR: 1909	SITE NAME: Etowah River Terminal ADDRESS: 1015 Barlow Drive Charleston, WV 25311	CLIENT: Thrasher Engineering, Inc. CONTACT: Jeffrey Todd INQUIRY#: 3768426.4 RESEARCH DATE: 10/29/2013
	SERIES: 15 SCALE: 1:62500	LAT/LONG: 38.3689 / -81.6065	

# Historical Topographic Map



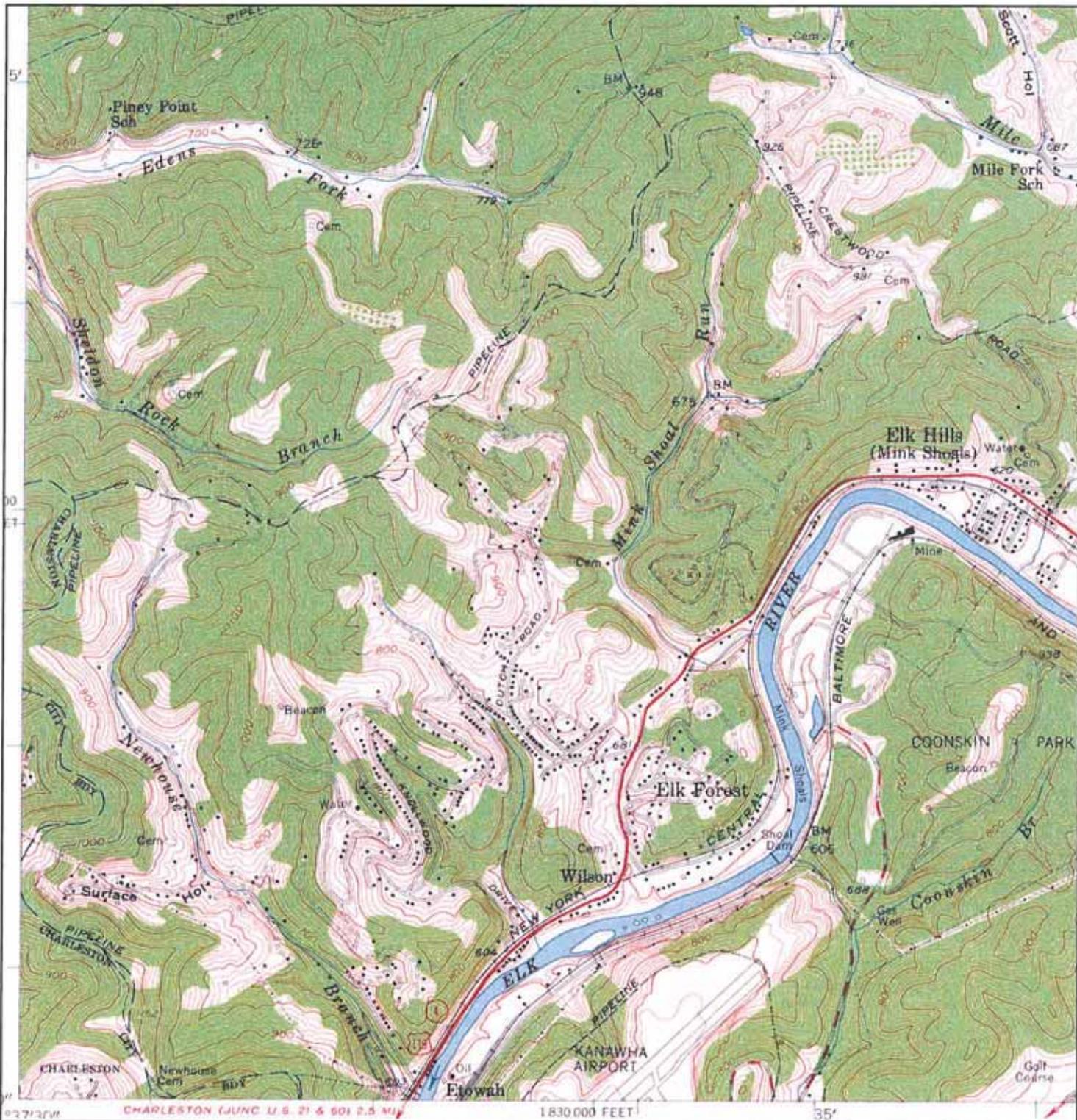
<b>N</b> 	<b>TARGET QUAD</b> NAME: CHARLESTON MAP YEAR: 1936	<b>SITE NAME:</b> Etowah River Terminal <b>ADDRESS:</b> 1015 Barlow Drive Charleston, WV 25311 <b>LAT/LONG:</b> 38.3689 / -81.6065	<b>CLIENT:</b> Thrasher Engineering, Inc. <b>CONTACT:</b> Jeffrey Todd <b>INQUIRY#:</b> 3768426.4 <b>RESEARCH DATE:</b> 10/29/2013
	SERIES: 15 SCALE: 1:62500		

# Historical Topographic Map



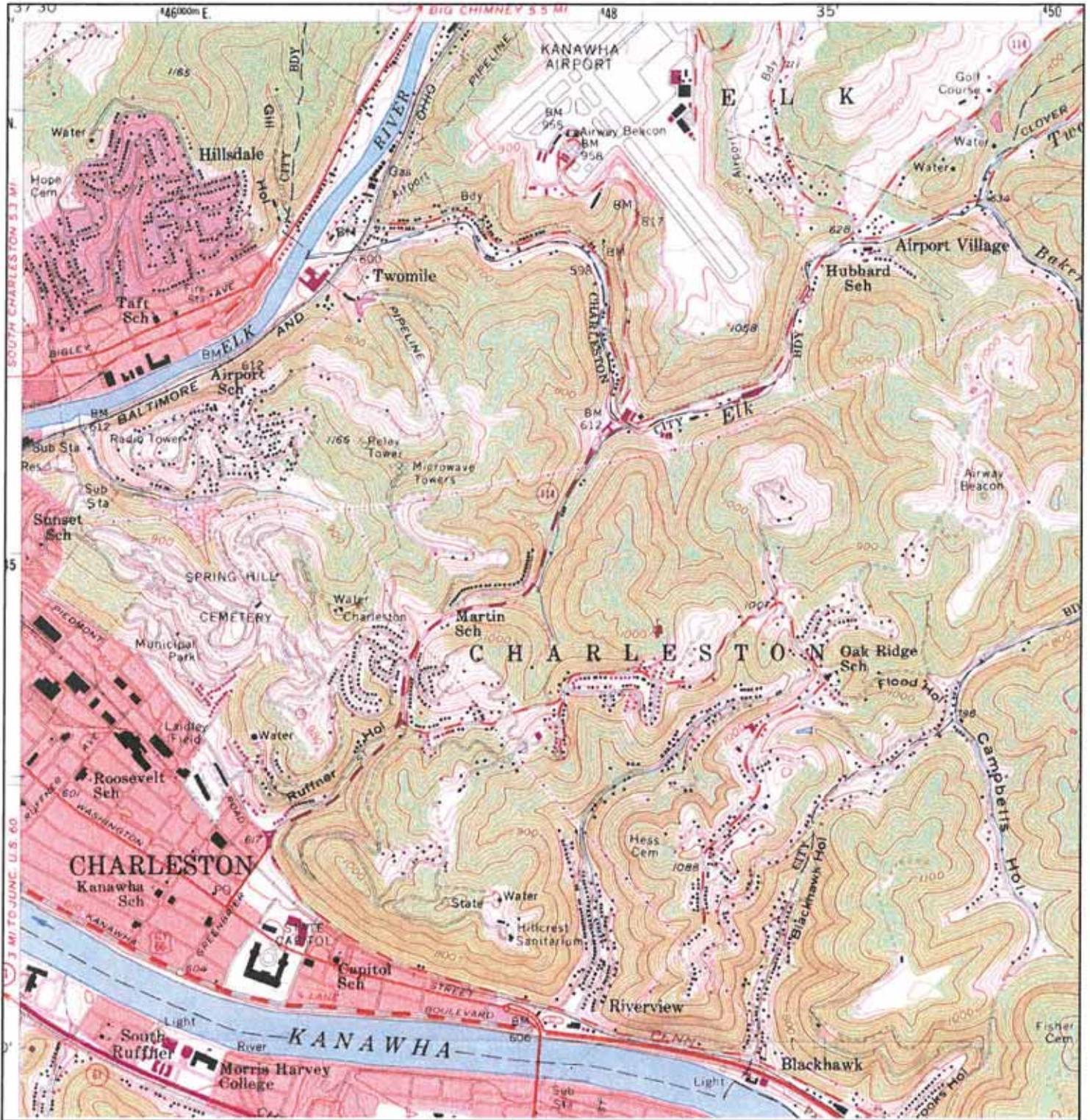
<p>N ↑</p>	<p>TARGET QUAD NAME: CHARLESTON EAST MAP YEAR: 1957</p>	<p>SITE NAME: Etowah River Terminal ADDRESS: 1015 Barlow Drive Charleston, WV 25311 LAT/LONG: 38.3689 / -81.6065</p>	<p>CLIENT: Thrasher Engineering, Inc. CONTACT: Jeffrey Todd INQUIRY#: 3768426.4 RESEARCH DATE: 10/29/2013</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

# Historical Topographic Map



<p>N</p> 	ADJOINING QUAD		CLIENT: Thrasher Engineering, Inc. CONTACT: Jeffrey Todd INQUIRY#: 3768426.4 RESEARCH DATE: 10/29/2013	
	NAME:	BIG CHIMNEY		SITE NAME: Etowah River Terminal ADDRESS: 1015 Barlow Drive Charleston, WV 25311 LAT/LONG: 38.3689 / -81.6065
	MAP YEAR:	1958		
	SERIES:	7.5		
	SCALE:	1:24000		

# Historical Topographic Map



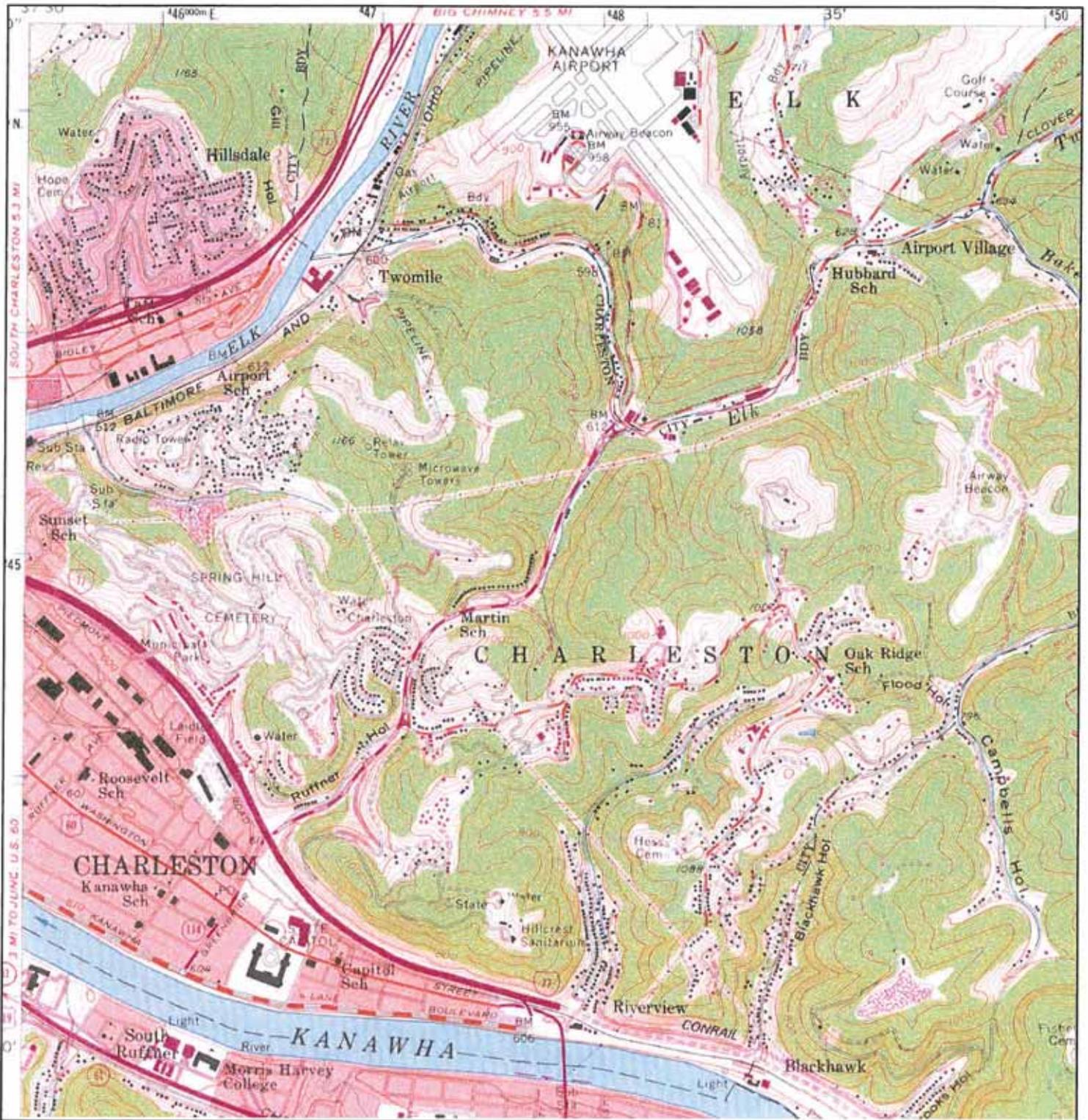
	TARGET QUAD	SITE NAME:	Etowah River Terminal	CLIENT:	Thrasher Engineering, Inc.
	NAME: CHARLESTON EAST	ADDRESS:	1015 Barlow Drive	CONTACT:	Jeffrey Todd
	MAP YEAR: 1971		Charleston, WV 25311	INQUIRY#:	3768426.4
	PHOTOREVISED FROM :1957	LAT/LONG:	38.3689 / -81.6065	RESEARCH DATE:	10/29/2013
	SERIES: 7.5				
	SCALE: 1:24000				

# Historical Topographic Map



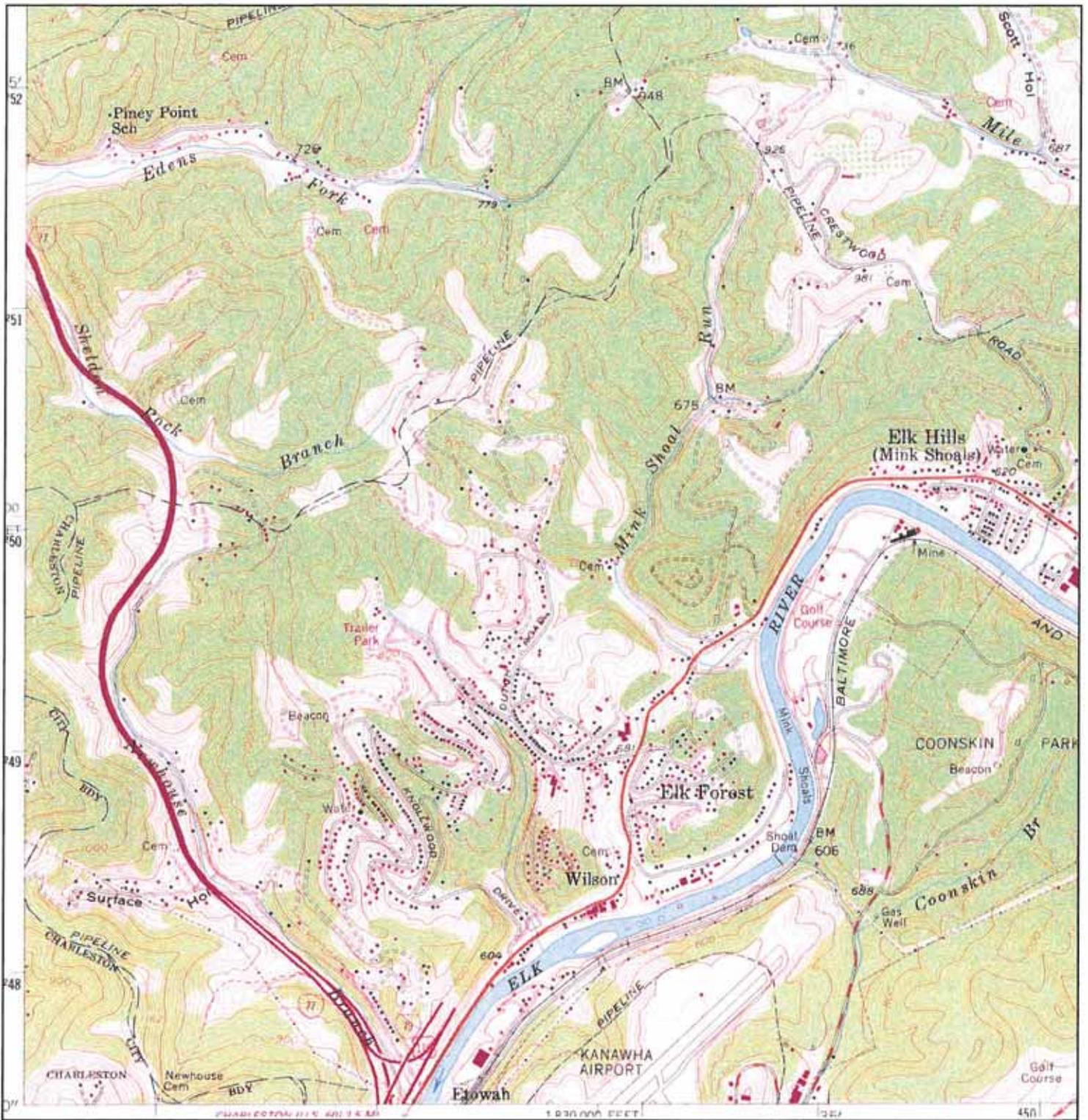
<p>N ↑</p>	ADJOINING QUAD	SITE NAME:	Etowah River Terminal	CLIENT:	Thrasher Engineering, Inc.	
	NAME:	BIG CHIMNEY	ADDRESS:	1015 Barlow Drive	CONTACT:	Jeffrey Todd
	MAP YEAR:	1971		Charleston, WV 25311	INQUIRY#:	3768426.4
	PHOTOREVISED FROM :	1958	LAT/LONG:	38.3689 / -81.6065	RESEARCH DATE:	10/29/2013
	SERIES:	7.5				
	SCALE:	1:24000				

# Historical Topographic Map



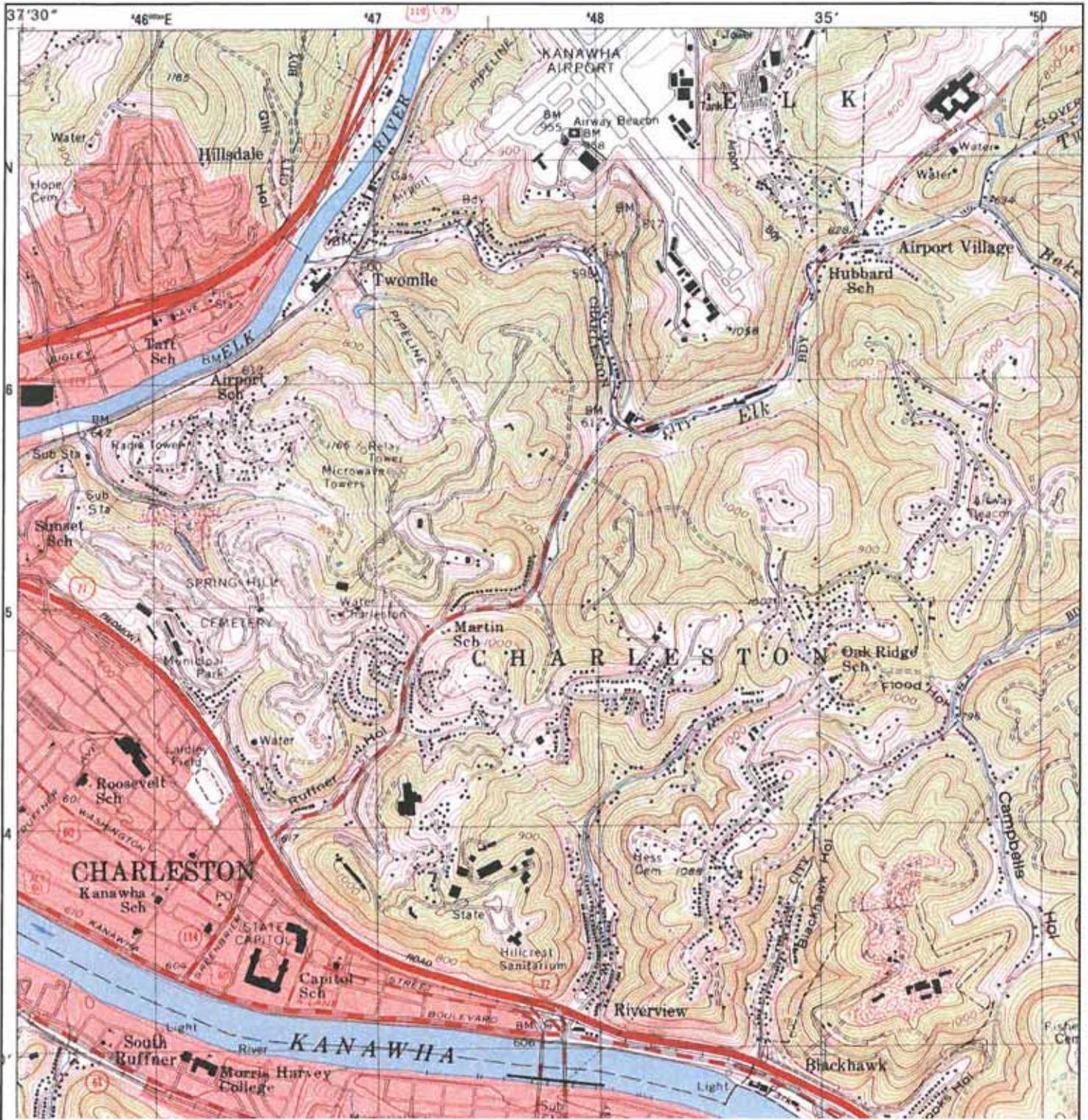
	TARGET QUAD	SITE NAME:	Etowah River Terminal	CLIENT:	Thrasher Engineering, Inc.
	NAME: CHARLESTON EAST	ADDRESS:	1015 Barlow Drive	CONTACT:	Jeffrey Todd
	MAP YEAR: 1976		Charleston, WV 25311	INQUIRY#:	3768426.4
	PHOTOREVISIED FROM :1958	LAT/LONG:	38.3689 / -81.6065	RESEARCH DATE:	10/29/2013
	SERIES: 7.5				
	SCALE: 1:24000				

# Historical Topographic Map



<p>N</p> 	<b>ADJOINING QUAD</b>						
	<b>NAME:</b>	BIG CHIMNEY		<b>SITE NAME:</b>	Etowah River Terminal	<b>CLIENT:</b>	Thrasher Engineering, Inc.
	<b>MAP YEAR:</b>	1976		<b>ADDRESS:</b>	1015 Barlow Drive	<b>CONTACT:</b>	Jeffrey Todd
	<b>PHOTOREVISED FROM :</b>	1958			Charleston, WV 25311	<b>INQUIRY#:</b>	3768426.4
	<b>SERIES:</b>	7.5		<b>LAT/LONG:</b>	38.3689 / -81.6065	<b>RESEARCH DATE:</b>	10/29/2013
	<b>SCALE:</b>	1:24000					

# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: CHARLESTON EAST MAP YEAR: 1996</p>	<p>SITE NAME: Etowah River Terminal ADDRESS: 1015 Barlow Drive Charleston, WV 25311</p>	<p>CLIENT: Thrasher Engineering, Inc. CONTACT: Jeffrey Todd INQUIRY#: 3768426.4</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>	<p>LAT/LONG: 38.3689 / -81.6065</p>	<p>RESEARCH DATE: 10/29/2013</p>



**Etowah River Terminal**

1015 Barlow Drive

Charleston, WV 25311

Inquiry Number: 3768426.5

October 31, 2013



## The EDR Aerial Photo Decade Package



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Aerial Photo Decade Package

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.

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

**Date EDR Searched Historical Sources:**

Aerial Photography October 31, 2013

**Target Property:**

1015 Barlow Drive

Charleston, WV 25311

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1955	Aerial Photograph. Scale: 1"=750'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 08, 1955	EDR
1960	Aerial Photograph. Scale: 1"=1000'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 13, 1960	EDR
1971	Aerial Photograph. Scale: 1"=500'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 15, 1971	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 09, 1977	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 11, 1984	EDR
1986	Aerial Photograph. Scale: 1"=1000'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: March 24, 1986	EDR
1990	Aerial Photograph. Scale: 1"=500'	Panel #: 38081-C5, Charleston East, WV;/DOQQ - acquisition dates: October 05, 1990	EDR
1996	Aerial Photograph. Scale: 1"=750'	Panel #: 38081-C5, Charleston East, WV;/Flight Date: April 11, 1996	EDR
2007	Aerial Photograph. Scale: 1"=500'	Panel #: 38081-C5, Charleston East, WV;/Flight Year: 2007	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 38081-C5, Charleston East, WV;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 38081-C5, Charleston East, WV;/Flight Year: 2011	EDR



INQUIRY #: 3768426.5

YEAR: 1955

 = 750'





INQUIRY #: 3768426.5

YEAR: 1960



 = 1000'



INQUIRY #: 3768426.5

YEAR: 1971

—| = 500'



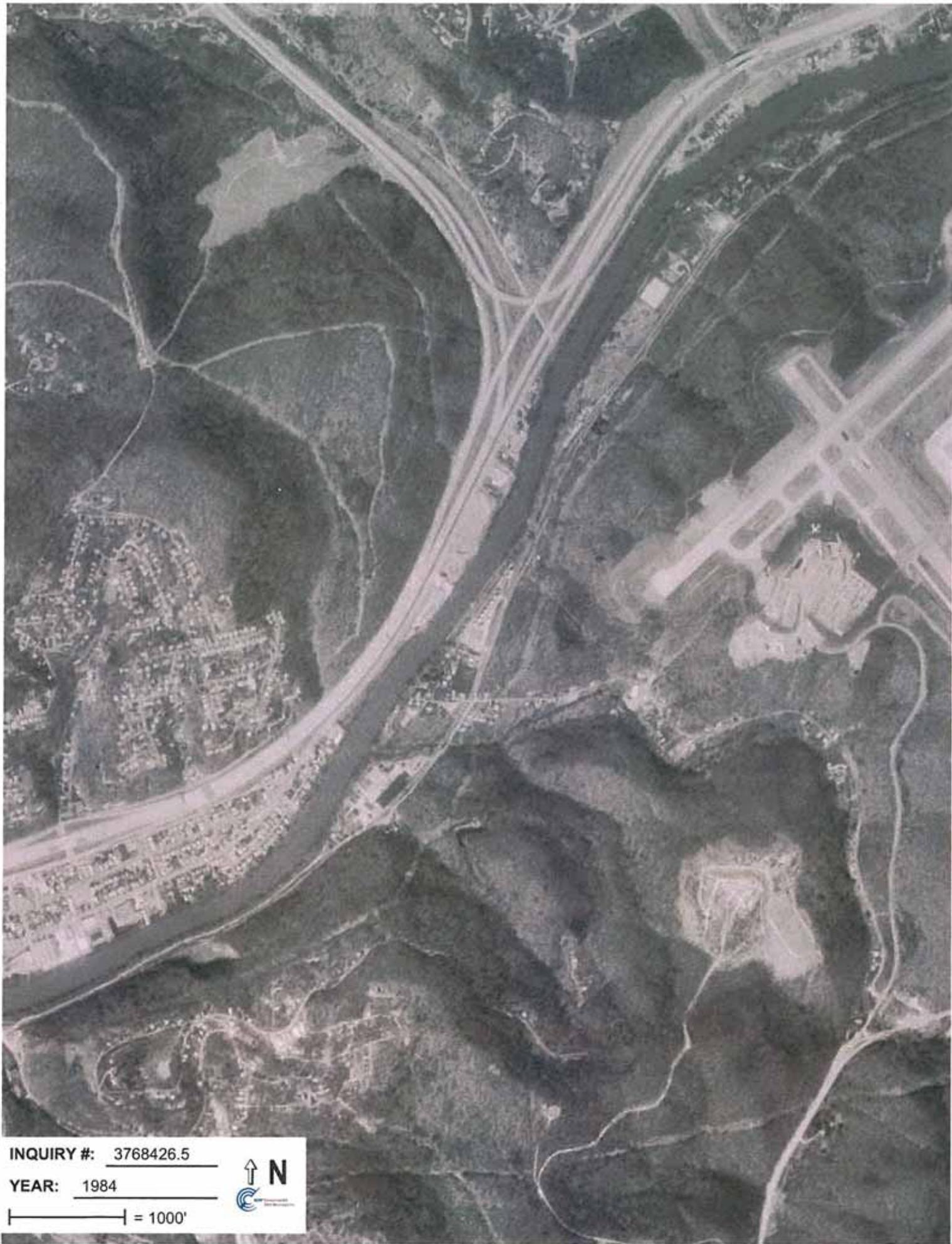


INQUIRY #: 3768426.5

YEAR: 1977



| = 1000'

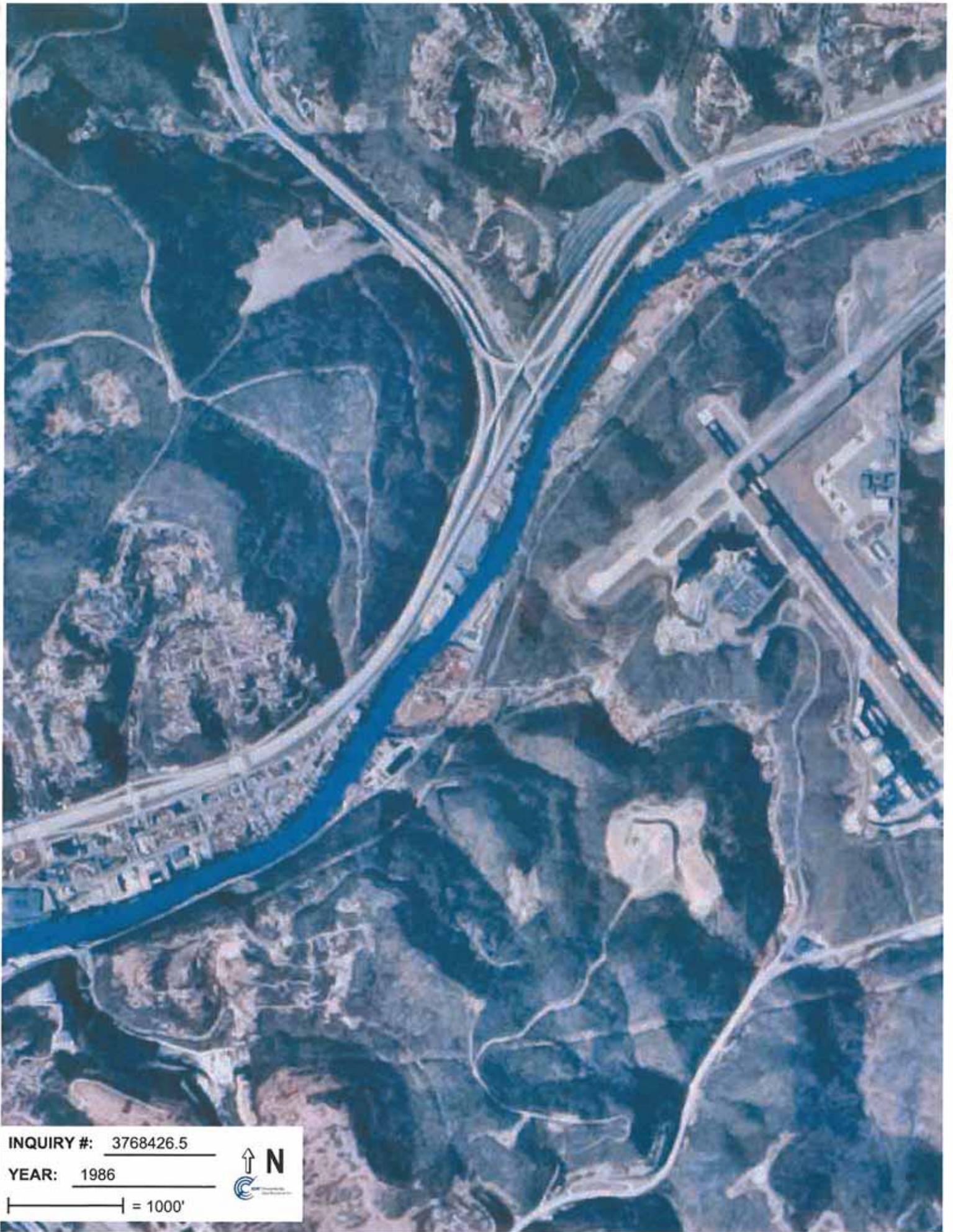


INQUIRY #: 3768426.5

YEAR: 1984

| = 1000'





INQUIRY #: 3768426.5

YEAR: 1986

| = 1000'



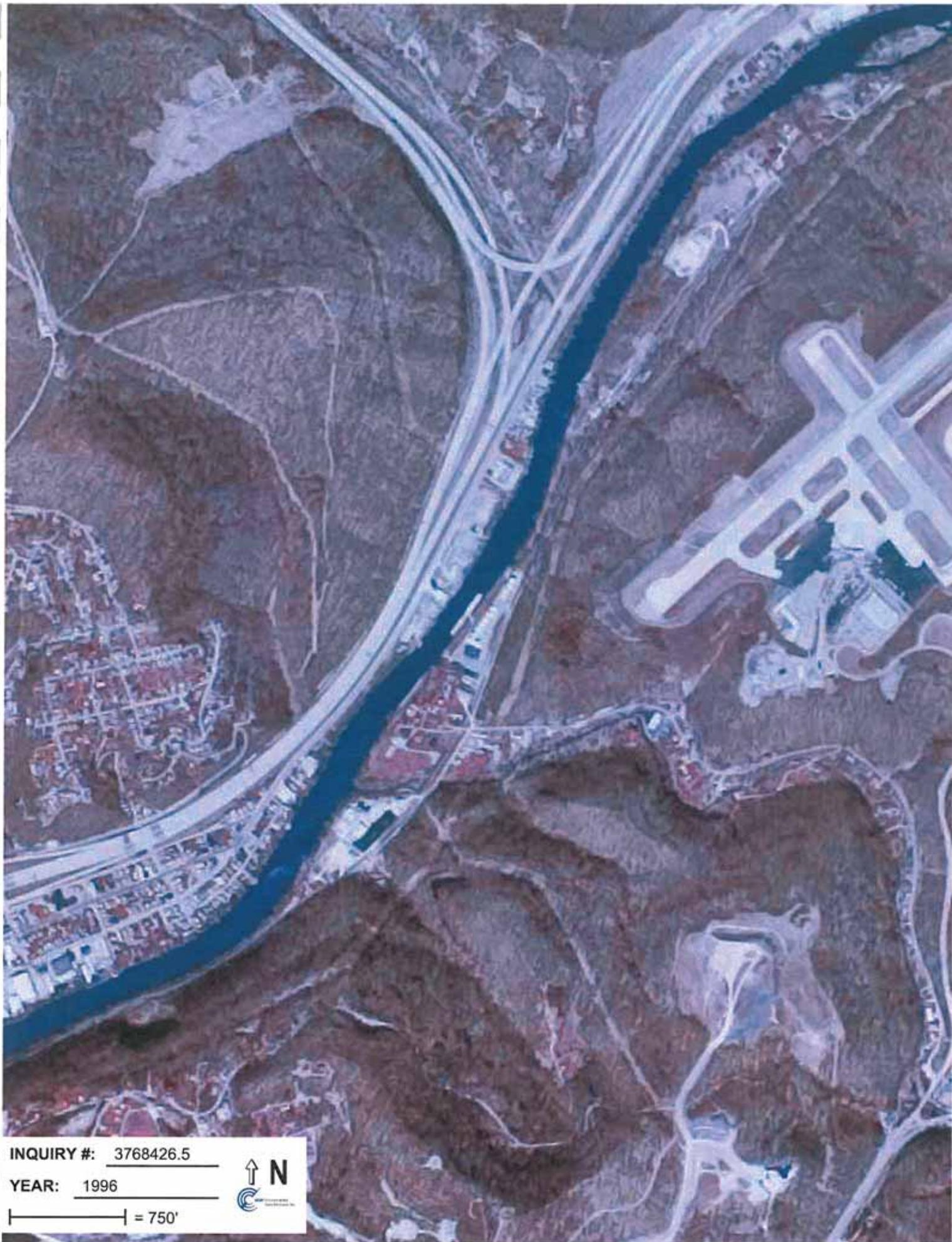


INQUIRY #: 3768426.5

YEAR: 1990

 = 500'





INQUIRY #: 3768426.5

YEAR: 1996

| = 750'





INQUIRY #: 3768426.5

YEAR: 2007



| = 500'

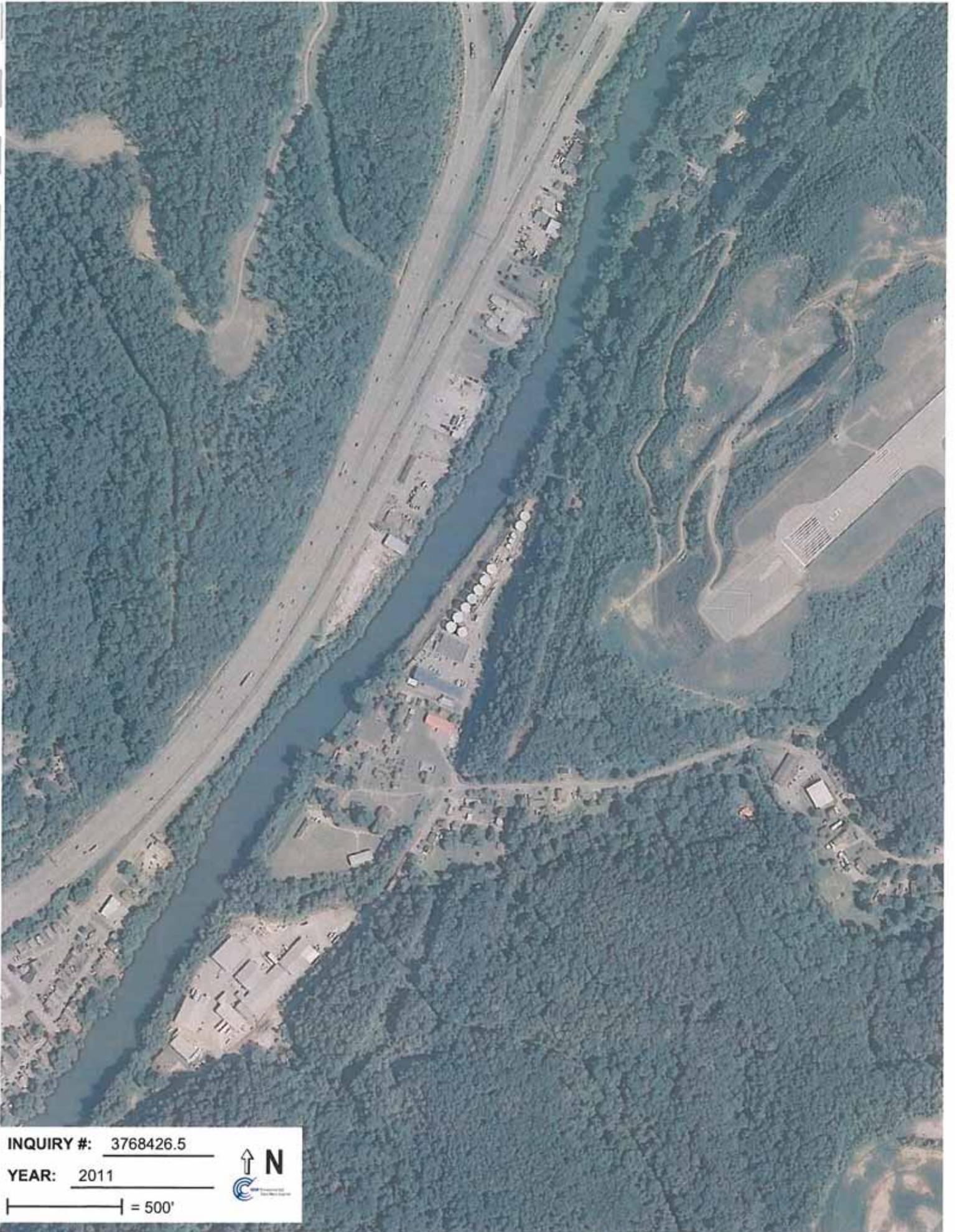


INQUIRY #: 3768426.5

YEAR: 2009



| = 500'



INQUIRY #: 3768426.5

YEAR: 2011



| = 500'



**Etowah River Terminal**

1015 Barlow Drive  
Charleston, WV 25311

Inquiry Number: 3768426.2s  
October 28, 2013

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrmet.com](http://www.edrmet.com)

## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary.....	ES1
Overview Map.....	2
Detail Map.....	3
Map Findings Summary.....	4
Map Findings.....	7
Orphan Summary.....	36
Government Records Searched/Data Currency Tracking.....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting SSURGO Soil Map.....	A-5
Physical Setting Source Map.....	A-11
Physical Setting Source Map Findings.....	A-13
Physical Setting Source Records Searched.....	A-21

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

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1015 BARLOW DRIVE  
CHARLESTON, WV 25311

#### COORDINATES

Latitude (North): 38.3689000 - 38° 22' 8.04"  
Longitude (West): 81.6065000 - 81° 36' 23.40"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 447017.2  
UTM Y (Meters): 4246714.0  
Elevation: 604 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38081-C5 CHARLESTON EAST, WV  
Most Recent Revision: 1996  
  
North Map: 38081-D5 BIG CHIMNEY, WV  
Most Recent Revision: 1976

### AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2011  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

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

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
PENNZOIL QUAKER STATE COMPANY 1015 BARLOW DR CHARLESTON, WV 25311	RCRA NonGen / NLR US AIRS	WVD055573745
ETOWAH RIVER TERMINAL LLC 1015 BARLOW DRIVE CHARLESTON, WV 25311	WV NPDES	N/A
1015 BARLOW DRIVE 1015 BARLOW DRIVE CHARLESTON, WV	ERNS	N/A

## EXECUTIVE SUMMARY

PENNZOIL PRODUCTS CO 1015 BARLOW DR CHARLESTON, WV	WV LUST WV UST WV INST CONTROL WV VCP	N/A
ETOWAH RIVER TERMINAL LLC 1015 BARLOW DRIVE CHARLESTON, WV	FINDS	N/A
POCA BLENDING LLC 1015 BARLOW DR CHARLESTON, WV	FINDS	N/A
1015 BARLOW DR 1015 BARLOW DR CHARLESTON, WV 25311	ERNS	N/A
ETOWAH RIVER TERMINAL 1015 BARLOW DR - SITE B CHARLESTON, WV	RCRA-CESQG FINDS	WVR000502559
PENNZOIL QUAKER STATE COMPANY ETO 1015 BARLOW DR. CHARLESTON, WV	FINDS	N/A

### **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***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

## EXECUTIVE SUMMARY

FEDERAL FACILITY..... Federal Facility Site Information listing

### ***Federal CERCLIS NFRAP site List***

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

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators

RCRA-SQG..... RCRA - Small Quantity Generators

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS..... Engineering Controls Sites List

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

LUCIS..... Land Use Control Information System

### ***State- and tribal - equivalent CERCLIS***

WV 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***

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

WV LCP..... Landfill Closure Program

### ***State and tribal leaking storage tank lists***

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

### ***State and tribal registered storage tank lists***

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

FEMA UST..... Underground Storage Tank Listing

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

WV BROWNFIELDS..... Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

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

## EXECUTIVE SUMMARY

### **Local Lists of Landfill / Solid Waste Disposal Sites**

ODI..... Open Dump Inventory  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs  
WV CDL..... Drug Lab Site Locations  
US HIST CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

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

### **Other Ascertainable Records**

DOT OPS..... Incident and Accident Data  
DOD..... Department of Defense Sites  
CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
UMTRA..... Uranium Mill Tailings Sites  
US MINES..... Mines Master Index File  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
SSTS..... Section 7 Tracking Systems  
ICIS..... Integrated Compliance Information System  
PADS..... PCB Activity Database System  
MLTS..... Material Licensing Tracking System  
RADINFO..... Radiation Information Database  
RAATS..... RCRA Administrative Action Tracking System  
RMP..... Risk Management Plans  
WV UIC..... Underground Injection Wells  
WV DRYCLEANERS..... Listing of Drycleaner Locations  
WV AIRS..... Permitted Facility and Emissions Listing  
INDIAN RESERV..... Indian Reservations  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
WV Financial Assurance..... Financial Assurance Information Listing  
WV COAL ASH..... Coal Ash Landfills  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
PCB TRANSFORMER..... PCB Transformer Registration Database  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List

# EXECUTIVE SUMMARY

PRP..... Potentially Responsible Parties  
LEAD SMELTERS..... Lead Smelter Sites

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

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

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

## STANDARD ENVIRONMENTAL RECORDS

### *Federal RCRA generators list*

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>R M S INC</i></b>	<b><i>2108 PENNSYLVANIA AVE</i></b>	<b><i>WSW 1/8 - 1/4 (0.204 mi.)</i></b>	<b><i>B12</i></b>	<b><i>30</i></b>

### *State and tribal registered storage tank lists*

WV UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Commerce, Labor & Environmental Resources.

A review of the WV UST list, as provided by EDR, and dated 03/05/2013 has revealed that there is 1 WV

## EXECUTIVE SUMMARY

UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SMITH CONCRETE	2262 PENNSYLVANIA AVE	WNW 0 - 1/8 (0.072 mi.)	10	27

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RUSSO FRANK AUTO SVC CTR	2120 PENNSYLVANIA AVE	WSW 1/8 - 1/4 (0.169 mi.)	B11	27

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2011 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YEAGER AIR NATIONAL GUARD		NE 1/2 - 1 (0.530 mi.)	13	34

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

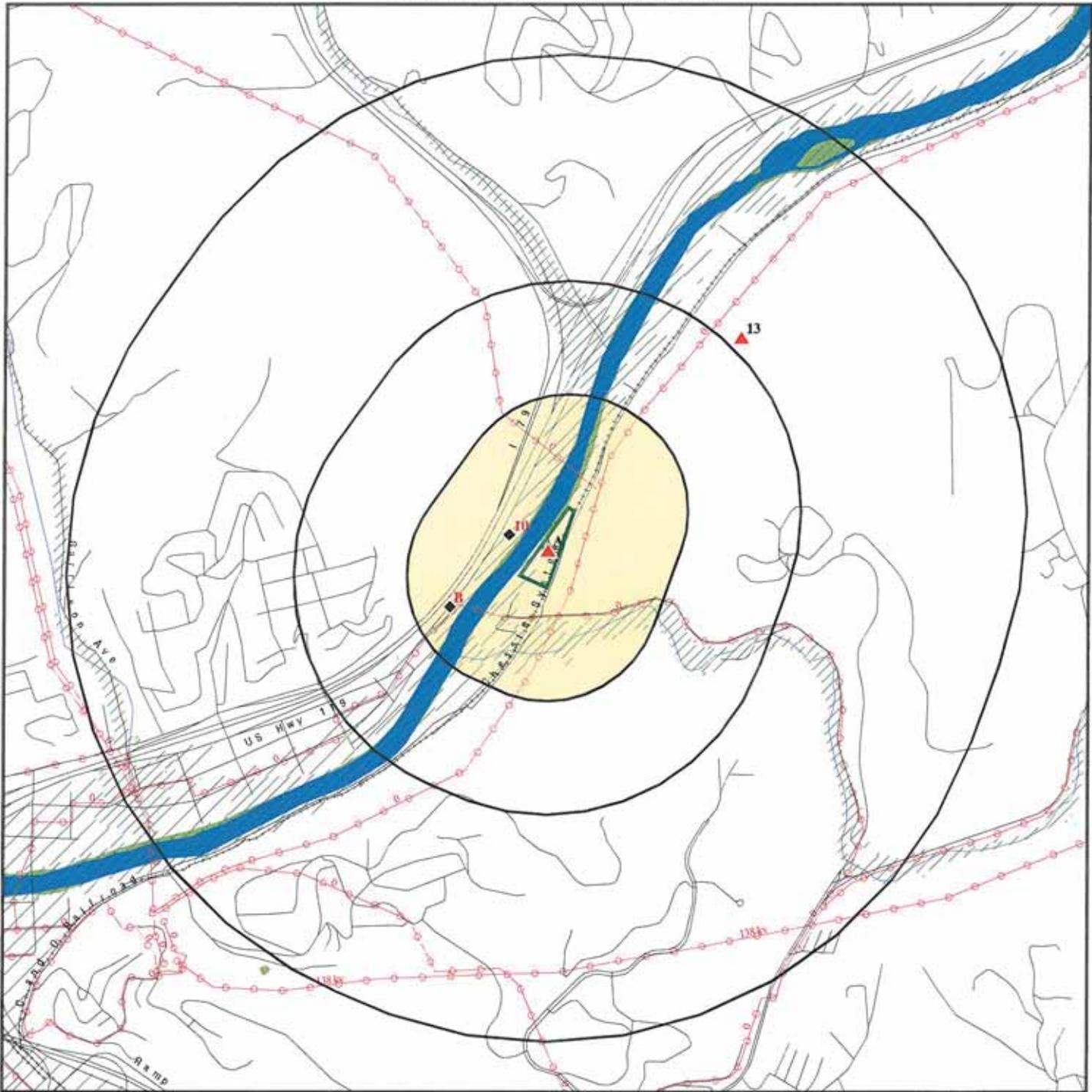
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
R M S INC	2108 PENNSYLVANIA AVE	WSW 1/8 - 1/4 (0.204 mi.)	B12	30

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 46 records.

Site Name	Database(s)
ONE STOP # 3129	WV UST, WV Financial Assurance
MARATHON TERMINAL - CHARLESTON	WV VCP
WESTERN KANAWHA CTY LANDFILL-AKA-K	CERCLIS, FINDS
CHARLIE SLACK POND	CERC-NFRAP
KEYSTONE DRIVE SITE	CERC-NFRAP
GOFF'S CARRY OUT	WV LUST, WV UST
RICH OIL #3937 (FORMER R.O. #7337)	WV LUST, WV UST
EXECUTIVE AIR TERMINAL INC	WV LUST, WV UST
KC'S PIZZA FORMER HIS PLAYLAND	WV LUST, WV UST
EUREKA PIPELINE - MILL CR STATI	WV UST
DRAVO BASIC MATERIALS CO	WV UST
DANNY'S CUSTODIAL CARE INC	WV UST
LANHAM TRANS-PROD OFFICE	WV UST
PJ CASANAVE LAND CLEANING CO	WV UST
MANSOUR PROPERTY	WV UST
ROYAL OLDSMOBILE	WV UST
CITY CENTER WEST	WV UST
RALEIGH JUNK CO	WV UST
REED STORAGE LOT	WV UST
FORMER HUMMINGBIRD FLIGHT SERVIC	WV UST
PRINTING PRESS	RCRA NonGen / NLR, FINDS
RICH OIL #3937	RCRA NonGen / NLR, FINDS
WVDOH - PATRICK STREET BRIDGE	RCRA NonGen / NLR, FINDS
THE PAINT SHOP	RCRA NonGen / NLR
RANDY SHORT BODY SHOP	RCRA NonGen / NLR
KANAWHA CNTY SWA RECYCLING CTR	RCRA NonGen / NLR, FINDS
CGST LINE SM-80 UTAH HOLLOW	RCRA NonGen / NLR, FINDS
PACKERS PLUS ENERGY SERVICES (USA)	RCRA NonGen / NLR
EXECUTIVE AIR TERMINAL	RCRA-CESQG, FINDS
CRANE AMERICA SERVICES	RCRA-CESQG
M & J OPERATIONS LLC - MYRTLE MART	RCRA-CESQG
NORTH CHARLESTON DISTRIBUTION TERM	FINDS
ELK RIVER TOWN CENTER INN	FINDS
16844-CHARLESTON WV TERMINAL	FINDS
MARMET TERMINAL	FINDS
EXXON - CHARLESTON TERMINAL	FINDS
PAR MAR OIL TERMINAL	FINDS
NEW RIVER COMMUNITY AND TECHNI	FINDS
EXXON MOBIL CORP CHARLESTON TERMI	FINDS
CHARLESTON TERMINAL	FINDS
EXXONMOBIL CHARLESTON TERMINAL	FINDS
RIVER RIDGE CHURCH PROJECT	FINDS
KANAWHA RIVER BRIDGE	FINDS
CHARLESTON, WV TERMINAL	FINDS
OUTLET 035A ON KANAWHA RIVER	WV SPILLS
LITTLE COAL RIVER RD - CLIFFSIDE S	WV SPILLS

# OVERVIEW MAP - 3768426.2s



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

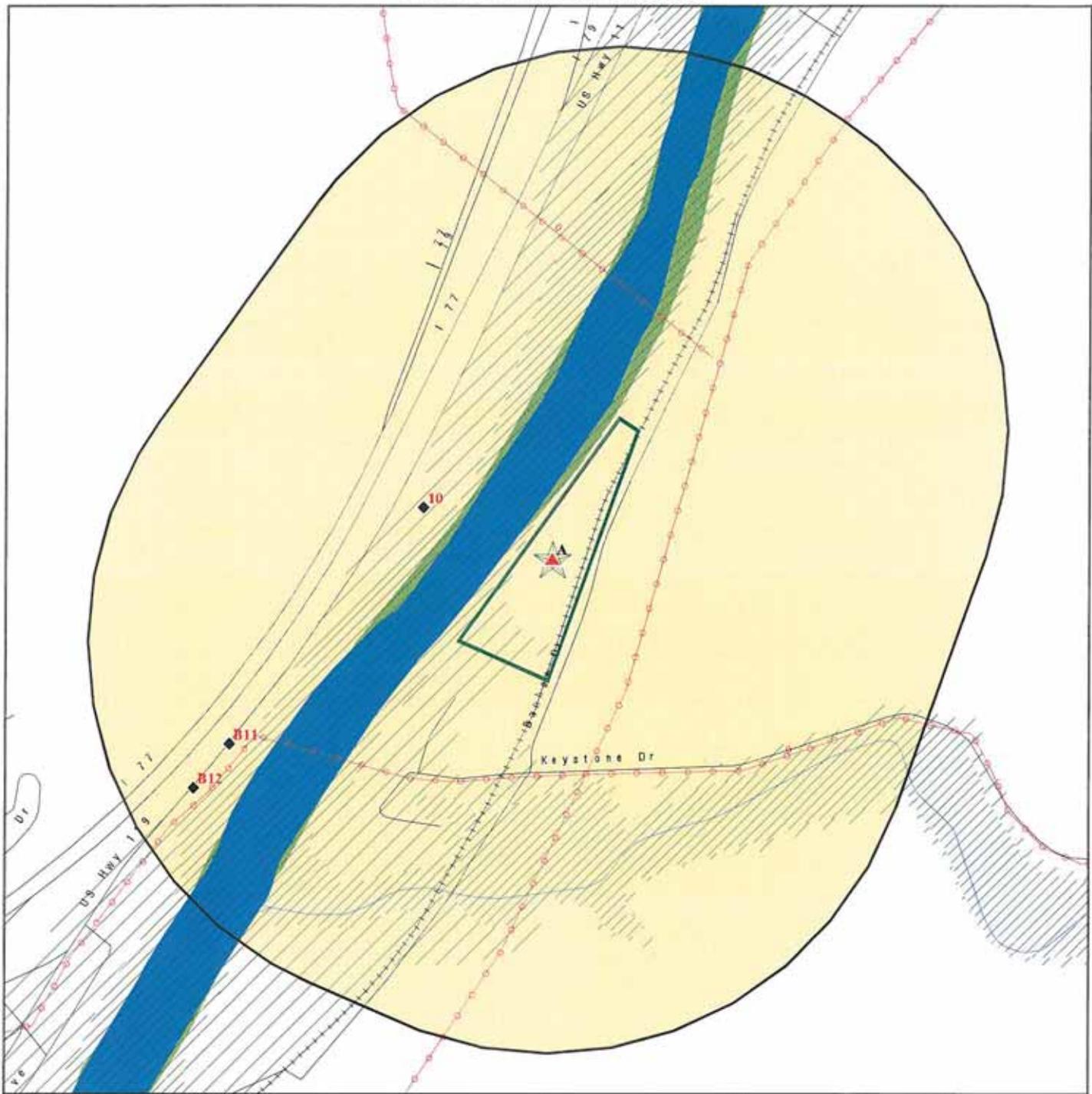
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



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

<p><b>SITE NAME:</b> Etowah River Terminal  <b>ADDRESS:</b> 1015 Barlow Drive          Charleston WV 25311  <b>LAT/LONG:</b> 38.3689 / 81.6065</p>	<p><b>CLIENT:</b> Thrasher Engineering, Inc.  <b>CONTACT:</b> Jeffrey Todd  <b>INQUIRY #:</b> 3768426.2s  <b>DATE:</b> October 28, 2013 9:53 am</p>
--	---

# DETAIL MAP - 3768426.2s



- 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
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



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

SITE NAME: Etowah River Terminal  
 ADDRESS: 1015 Barlow Drive  
 Charleston WV 25311  
 LAT/LONG: 38.3689 / 81.6065

CLIENT: Thrasher Engineering, Inc.  
 CONTACT: Jeffrey Todd  
 INQUIRY #: 3768426.2s  
 DATE: October 28, 2013 9:54 am

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
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
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	0	1	NR	NR	NR	2
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP	2	NR	NR	NR	NR	NR	2
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
WV SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
WV SWF/LF	0.500		0	0	0	NR	NR	0
WV LCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
WV LUST	0.500	1	0	0	0	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
WV UST	0.250	1	1	0	NR	NR	NR	2

## 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
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
WV INST CONTROL	0.500	1	0	0	0	NR	NR	1
<b>State and tribal voluntary cleanup sites</b>								
WV VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
WV BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
WV CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
WV SPILLS	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250	1	0	1	NR	NR	NR	2
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	1	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0

## 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
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	4	NR	NR	NR	NR	NR	4
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
WV UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		0	1	NR	NR	NR	1
WV DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WV NPDES	TP	1	NR	NR	NR	NR	NR	1
WV AIRS	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
WV Financial Assurance	TP		NR	NR	NR	NR	NR	0
WV COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	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
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
LEAD SMELTERS	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 US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

#### 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

A1  
Target  
Property

PENNZOIL QUAKER STATE COMPANY  
1015 BARLOW DR  
CHARLESTON, WV 25311

RCRA NonGen / NLR 1000323939  
US AIRS WVD055573745

Site 1 of 9 in cluster A

Actual:  
604 ft.

RCRA NonGen / NLR:  
Date form received by agency: 08/09/2002  
Facility name: PENNZOIL QUAKER STATE COMPANY  
Facility address: 1015 BARLOW DR  
CHARLESTON, WV 25311  
EPA ID: WVD055573745  
Contact: JOHN HUTCHINSON  
Contact address: 1015 BARLOW DR  
CHARLESTON, WV 25311  
Contact country: US  
Contact telephone: (304) 342-8161  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PENNZOIL QUAKER STATE COMPANY  
Owner/operator address: PO BOX 2967  
HOUSTON, TX 77252

Owner/operator country: Not reported  
Owner/operator telephone: (713) 546-4000  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: OPERNAME  
Owner/operator address: OPERSTREET  
OPERCITY, AK 99999

Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: PENNZIOL-QUAKER STATE CO  
Owner/operator address: Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1968  
Owner/Op end date: Not reported

Owner/operator name: PENNZIOL-QUAKER STATE CO  
Owner/operator address: Not reported

Owner/operator country: US  
Owner/operator telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

1000323939

Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1968  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 08/05/2002  
Facility name: PENNZOIL QUAKER STATE COMPANY  
Site name: PENNZIOL - QUAKER STATE CO.  
Classification: Large Quantity Generator

Date form received by agency: 03/05/2001  
Facility name: PENNZOIL QUAKER STATE COMPANY  
Site name: PENNZOIL-QUAKER STATE CO. ETOWHA TRMNL  
Classification: Large Quantity Generator

Date form received by agency: 01/04/1999  
Facility name: PENNZOIL QUAKER STATE COMPANY  
Classification: Large Quantity Generator

**Hazardous Waste Summary:**

Waste code: D000  
Waste name: Not Defined

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
Waste name: BENZENE

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PENNZOIL QUAKER STATE COMPANY (Continued)

1000323939

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
Waste name: BENZENE

Facility Has Received Notices of Violations:

Regulation violated: FR - 40 CFR 262.12  
Area of violation: Generators - General  
Date violation determined: 01/13/1999  
Date achieved compliance: 03/08/1999  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/21/1999  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: SR - Section 6.3.5.a.4  
Area of violation: Generators - Pre-transport  
Date violation determined: 05/17/1991  
Date achieved compliance: 02/17/2005  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - Section 6.1.2  
Area of violation: Generators - General  
Date violation determined: 05/17/1990  
Date achieved compliance: 03/08/1999  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - Section 6.1.3.a  
Area of violation: Generators - General  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

1000323939

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - Section 6.3.5.a.2  
Area of violation: Generators - Pre-transport  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - Section 4.1.1  
Area of violation: Generators - General  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - 6.2.1.a  
Area of violation: Generators - Manifest  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - Section 6.3.5.a  
Area of violation: Generators - Pre-transport  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

**1000323939**

Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

Regulation violated: SR - 6.3.5.a.5  
Area of violation: Generators - General  
Date violation determined: 05/17/1990  
Date achieved compliance: 11/09/1990  
Violation lead agency: State  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 11/09/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: 10000  
Paid penalty amount: 10000

**Evaluation Action Summary:**

Evaluation date: 07/11/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/11/2002  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/13/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/08/1999  
Evaluation lead agency: State

Evaluation date: 05/29/1991  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/17/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/08/1999  
Evaluation lead agency: State

Evaluation date: 05/17/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 11/09/1990

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

**1000323939**

Evaluation lead agency: State

Evaluation date: 05/17/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 02/17/2005  
Evaluation lead agency: State

Evaluation date: 05/17/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Manifest  
Date achieved compliance: 11/09/1990  
Evaluation lead agency: State

Evaluation date: 05/17/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 11/09/1990  
Evaluation lead agency: State

**AIRS (AFS):**

**Airs Minor Details:**

EPA plant ID: 110000344333  
Plant name: PENNZOIL PRODUCTS CO. - ETOWAH TERMINAL  
Plant address: 1015 BARLOW DRIVE  
CHARLESTON, WV 25311

County: KANAWHA  
Region code: 03  
Dunn & Bradst #: 055573745  
Air quality cntrl region: 234  
Sic code: 5171  
Sic code desc: PETROLEUM BULK STATIONS AND TERMINALS  
North Am. industrial classf: 424710  
NAIC code description: Petroleum Bulk Stations and Terminals  
Default compliance status: IN COMPLIANCE - INSPECTION  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR  
LOCAL GOVERNMENT

Current HPV: Not reported

**Compliance and Enforcement Major Issues:**

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

**1000323939**

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Air program: SIP SOURCE  
National action type: Not reported  
Date achieved: 00000  
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1001  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1003  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1004  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1102  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1104  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1201  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - INSPECTION  
Hist compliance date: 1203  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE - SHUT DOWN  
Hist compliance date: 1001  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE - SHUT DOWN  
Hist compliance date: 1002  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE - SHUT DOWN  
Hist compliance date: 1004  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE - SHUT DOWN  
Hist compliance date: 1102  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE - SHUT DOWN  
Hist compliance date: 1104

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

**1000323939**

Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1201
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1203
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1002
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1101
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1103
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1202
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - INSPECTION
Hist compliance date:	1204
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1003
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1101
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1103
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1202
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE - SHUT DOWN
Hist compliance date:	1204
Air prog code hist file:	MACT (SECTION 63 NESHAPS)

Compliance & Violation Data by Minor Sources:

Air program code:	SIP SOURCE
Plant air program pollutant:	TOTAL PARTICULATE MATTER
Default pollutant classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status:	IN COMPLIANCE - INSPECTION
Def. attainment/non attainment:	ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY (Continued)**

1000323939

Turnover compliance: Not reported  
  
Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non attainment: Not reported  
Repeat violator date: Not reported  
Turnover compliance: Not reported

A2  
Target  
Property

**ETOWAH RIVER TERMINAL LLC  
1015 BARLOW DRIVE  
CHARLESTON, WV 25311**

WV NPDES S108040114  
N/A

**Site 2 of 9 in cluster A**

Actual:  
604 ft.

NPDES:  
Permit ID: WVG610920  
Contact Name: JOHN HUTCHINSON, TERMINAL MGR.  
Contact Telephone: 3045522119  
Contact Street: PO BOX 713  
Contact Street2: Not reported  
Contact City: Not reported  
Contact State: WV  
Contact Zip Code: 25323  
Responsible Party Name: ETOWAH RIVER TERMINAL LLC  
Permit Type Table Code: Industrial  
Permit Sub Type Code: SWI  
Expire Date: 03/31/2014  
Sic Code: 5169  
Priority Flag: N  
Design Flow Quantity: Not reported  
Average Flow Quantity: 0.008319  
Disturbed Acres: Not reported  
Extension Date: Not reported  
Number of Customers: Not reported  
Number Injection Point: Not reported  
Individual General SW: General  
Lat/Long(DMS): 38 22 6.0000 / 81 36 27.0000  
  
Permit ID: WVG610920  
Contact Name: JOHN HUTCHINSON, TERMINAL MGR.  
Contact Telephone: 3045522119  
Contact Street: PO BOX 713  
Contact Street2: Not reported  
Contact City: Not reported  
Contact State: WV  
Contact Zip Code: 25323  
Responsible Party Name: ETOWAH RIVER TERMINAL LLC  
Permit Type Table Code: Industrial  
Permit Sub Type Code: SWI  
Expire Date: 03/31/2014  
Sic Code: 5171  
Priority Flag: Y  
Design Flow Quantity: Not reported  
Average Flow Quantity: 0.008319  
Disturbed Acres: Not reported  
Extension Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site \_\_\_\_\_ Database(s) \_\_\_\_\_ EDR ID Number  
 \_\_\_\_\_ EPA ID Number

**ETOWAH RIVER TERMINAL LLC (Continued)**

**S108040114**

Number of Customers: Not reported  
 Number Injection Point: Not reported  
 Individual General SW: General  
 Lat/Long(DMS): 38 22 6.0000 / 81 36 27.0000

**A3**  
**Target**  
**Property**

**1015 BARLOW DRIVE**  
**CHARLESTON, WV**

**ERNS 91230096**  
**N/A**

Site 3 of 9 in cluster A

**Actual:**  
**604 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**A4**  
**Target**  
**Property**

**PENNZOIL PRODUCTS CO**  
**1015 BARLOW DR**  
**CHARLESTON, WV**

**WV LUST U003436561**  
**WV UST N/A**  
**WV INST CONTROL**  
**WV VCP**

Site 4 of 9 in cluster A

**Actual:**  
**604 ft.**

**LUST:**  
 Facility ID: 2-002501  
 Leak Number: 90-062  
 Priority: Groundwater but no known drinking water contamination  
 Project Manager: Long Dave  
 Confirmed Release Date: 06/28/1990  
 Cleanup Initiated Date: 07/31/1990  
 Cleanup Complete Date: Not reported  
 EDR Link ID: 2-002501

**UST:**  
 Facility ID: 2-002501  
 Owner: PENNZOIL PRODUCTS CO  
 Owner Address: PO BOX 3329  
 Owner Address 2: Not reported  
 Owner City, St, Zip: CHARLESTON, WV 25333  
 Owner Telephone: (304) 342-8161

Tank ID: D1  
**Tank Status: Permanently Out of Service**  
 Tank Substance: Gasoline  
 Tank Capacity: 2000  
 Date Last Used: 12/01/1988  
 Date Closed: 12/01/1988  
 Closure Status: Tank removed from ground  
 Tank Material: Asphalt Coated or Bare Steel  
 Piping Material: Galvanized Steel  
 Overfill Installed: No  
 Installed Spill Protection: No  
 Cathodic Protection Method: No

Tank ID: D2  
**Tank Status: Permanently Out of Service**  
 Tank Substance: Diesel  
 Tank Capacity: 3000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL PRODUCTS CO (Continued)**

**U003436561**

Date Last Used: 12/01/1988  
Date Closed: 12/01/1988  
Closure Status: Tank removed from ground  
Tank Material: Asphalt Coated or Bare Steel  
Piping Material: Galvanized Steel  
Overfill Installed: No  
Installed Spill Protection: No  
Cathodic Protection Method: No

**INST CONTROL:**

Project No.: 04506  
Facility Id: 64  
Applicant Name: Pennzoil-Quaker State  
Approximate Size In Acres: 4.55  
Latitude: 38 22' 09" N  
Longitude: 81 36' 20" W  
Project Manager: Hight  
Certificate Of Completion Date: December 2004  
Certificate Of Completion Acreage: 4.55  
Type Of Institutional Control: Land Use Covenant  
Name Of Contaminants: Petroleum  
Area Name\_a: Not reported  
Area Address\_a: Not reported  
Area City\_a: Not reported  
Area Approximate Size In Acres\_a: Not reported  
Area Latitude\_a: Not reported  
Area Longitude\_a: Not reported  
Area Voluntary Remediation Project #\_a: Not reported  
Area Project Manger\_a: Not reported  
Area Certificate Of Completion Date\_a: Not reported  
Area Certificate Completion Acreage\_a: Not reported  
Area Type Of Institutional Control\_a: Not reported  
Area Nature Of Contaminants\_a: Not reported  
Area Name\_b: Not reported  
Area Address\_b: Not reported  
Area City\_b: Not reported  
Area Approximate Size In Acres\_b: Not reported  
Area Latitude\_b: Not reported  
Area Longitude\_b: Not reported  
Area Voluntary Remediation Project #\_b: Not reported  
Area Project Manger\_b: Not reported  
Area Certificate Of Completion Date\_b: Not reported  
Area Certificate Completion Acreage\_b: Not reported  
Area Type Of Institutional Control\_b: Not reported  
Area Nature Of Contaminants\_b: Not reported  
Area Name\_c: Not reported  
Area Address\_c: Not reported  
Area City\_c: Not reported  
Area Approximate Size In Acres\_c: Not reported  
Area Latitude\_c: Not reported  
Area Longitude\_c: Not reported  
Area Voluntary Remediation Project #\_c: Not reported  
Area Project Manger\_c: Not reported  
Area Certificate Of Completion Date\_c: Not reported  
Area Certificate Completion Acreage\_c: Not reported  
Area Type Of Institutional Control\_c: Not reported  
Area Nature Of Contaminants\_c: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

PENNZOIL PRODUCTS CO (Continued)

U003436561

Area Name_d:	Not reported
Area Address_d:	Not reported
Area City_d:	Not reported
Area Approximate Size In Acres_d:	Not reported
Area Latitude_d:	Not reported
Area Longitude_d:	Not reported
Area Voluntary Remediation Project #_d:	Not reported
Area Project Manger_d:	Not reported
Area Certificate Of Completion Date_d:	Not reported
Area Certificate Completion Acreage_d:	Not reported
Area Type Of Institutional Control_d:	Not reported
Area Nature Of Contaminants_d:	Not reported
Area Name_e:	Not reported
Area Address_e:	Not reported
Area City_e:	Not reported
Area Approximate Size In Acres_e:	Not reported
Area Latitude_e:	Not reported
Area Longitude_e:	Not reported
Area Voluntary Remediation Project #_e:	Not reported
Area Project Manger_e:	Not reported
Area Certificate Of Completion Date_e:	Not reported
Area Certificate Completion Acreage_e:	Not reported
Area Type Of Institutional Control_e:	Not reported
Area Nature Of Contaminants_e:	Not reported
Area Name_f:	Not reported
Area Address_f:	Not reported
Area City_f:	Not reported
Area Approximate Size In Acres_f:	Not reported
Area Latitude_f:	Not reported
Area Longitude_f:	Not reported
Area Voluntary Remediation Project #_f:	Not reported
Area Project Manger_f:	Not reported
Area Certificate Of Completion Date_f:	Not reported
Area Certificate Completion Acreage_f:	Not reported
Area Type Of Institutional Control_f:	Not reported
Area Nature Of Contaminants_f:	Not reported
Area Name_g:	Not reported
Area Address_g:	Not reported
Area City_g:	Not reported
Area Approximate Size In Acres_g:	Not reported
Area Latitude_g:	Not reported
Area Longitude_g:	Not reported
Area Voluntary Remediation Project #_g:	Not reported
Area Project Manger_g:	Not reported
Area Certificate Of Completion Date_g:	Not reported
Area Certificate Completion Acreage_g:	Not reported
Area Type Of Institutional Control_g:	Not reported
Area Nature Of Contaminants_g:	Not reported
Area Name_h:	Not reported
Area Address_h:	Not reported
Area City_h:	Not reported
Area Approximate Size In Acres_h:	Not reported
Area Latitude_h:	Not reported
Area Longitude_h:	Not reported
Area Voluntary Remediation Project #_h:	Not reported
Area Project Manger_h:	Not reported
Area Certificate Of Completion Date_h:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PENNZOIL PRODUCTS CO (Continued)

U003436561

Area Certificate Completion Acreage \_h: Not reported  
Area Type Of Institutional Control \_h: Not reported  
Area Nature Of Contaminants \_h: Not reported  
Area Name \_i: Not reported  
Area Address \_i: Not reported  
Area City \_i: Not reported  
Area Approximate Size In Acres \_i: Not reported  
Area Latitude \_i: Not reported  
Area Longitude \_i: Not reported  
Area Voluntary Remediation Project # \_i: Not reported  
Area Project Manger \_i: Not reported  
Area Certificate Of Completion Date \_i: Not reported  
Area Certificate Completion Acreage \_i: Not reported  
Area Type Of Institutional Control \_i: Not reported  
Area Nature Of Contaminants \_i: Not reported  
Area Name \_j: Not reported  
Area Address \_j: Not reported  
Area City \_j: Not reported  
Area Approximate Size In Acres \_j: Not reported  
Area Latitude \_j: Not reported  
Area Longitude \_j: Not reported  
Area Voluntary Remediation Project # \_j: Not reported  
Area Project Manger \_j: Not reported  
Area Certificate Of Completion Date \_j: Not reported  
Area Certificate Completion Acreage \_j: Not reported  
Area Type Of Institutional Control \_j: Not reported  
Area Nature Of Contaminants \_j: Not reported  
Area Name \_k: Not reported  
Area Address \_k: Not reported  
Area City \_k: Not reported  
Area Approximate Size In Acres \_k: Not reported  
Area Latitude \_k: Not reported  
Area Longitude \_k: Not reported  
Area Voluntary Remediation Project # \_k: Not reported  
Area Project Manger \_k: Not reported  
Area Certificate Of Completion Date \_k: Not reported  
Area Certificate Completion Acreage \_k: Not reported  
Area Type Of Institutional Control \_k: Not reported  
Area Nature Of Contaminants \_k: Not reported  
EDR Link ID: 04506

VCP:

Size (Acres): 4.55  
Lat/Long: 38 22' 09" N 81 36' 20" W  
Vol. Rem Project Number: 04506  
Facility Id: 64  
Applicant Name: Pennzoil-Quaker State  
Approximate Size In Acres: 4.55  
Latitude: 38 22' 09" N  
Longitude: 81 36' 20" W  
Project Manager: Hight  
Certificate Of Completion Date: December 2004  
Certificate Of Completion Acreage: 4.55  
Type Of Institutional Control: Land Use Covenant  
Name Of Contaminants: Petroleum  
Area Name \_a: Not reported  
Area Address \_a: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

EDR ID Number  
EPA ID Number  
Database(s)

PENNZOIL PRODUCTS CO (Continued)

U003436561

Area City_a:	Not reported
Area Approximate Size In Acres_a:	Not reported
Area Latitude_a:	Not reported
Area Longitude_a:	Not reported
Area Voluntary Remediation Project #_a:	Not reported
Area Project Manger_a:	Not reported
Area Certificate Of Completion Date_a:	Not reported
Area Certificate Completion Acreage_a:	Not reported
Area Type Of Institutional Control_a:	Not reported
Area Nature Of Contaminants_a:	Not reported
Area Name_b:	Not reported
Area Address_b:	Not reported
Area City_b:	Not reported
Area Approximate Size In Acres_b:	Not reported
Area Latitude_b:	Not reported
Area Longitude_b:	Not reported
Area Voluntary Remediation Project #_b:	Not reported
Area Project Manger_b:	Not reported
Area Certificate Of Completion Date_b:	Not reported
Area Certificate Completion Acreage_b:	Not reported
Area Type Of Institutional Control_b:	Not reported
Area Nature Of Contaminants_b:	Not reported
Area Name_c:	Not reported
Area Address_c:	Not reported
Area City_c:	Not reported
Area Approximate Size In Acres_c:	Not reported
Area Latitude_c:	Not reported
Area Longitude_c:	Not reported
Area Voluntary Remediation Project #_c:	Not reported
Area Project Manger_c:	Not reported
Area Certificate Of Completion Date_c:	Not reported
Area Certificate Completion Acreage_c:	Not reported
Area Type Of Institutional Control_c:	Not reported
Area Nature Of Contaminants_c:	Not reported
Area Name_d:	Not reported
Area Address_d:	Not reported
Area City_d:	Not reported
Area Approximate Size In Acres_d:	Not reported
Area Latitude_d:	Not reported
Area Longitude_d:	Not reported
Area Voluntary Remediation Project #_d:	Not reported
Area Project Manger_d:	Not reported
Area Certificate Of Completion Date_d:	Not reported
Area Certificate Completion Acreage_d:	Not reported
Area Type Of Institutional Control_d:	Not reported
Area Nature Of Contaminants_d:	Not reported
Area Name_e:	Not reported
Area Address_e:	Not reported
Area City_e:	Not reported
Area Approximate Size In Acres_e:	Not reported
Area Latitude_e:	Not reported
Area Longitude_e:	Not reported
Area Voluntary Remediation Project #_e:	Not reported
Area Project Manger_e:	Not reported
Area Certificate Of Completion Date_e:	Not reported
Area Certificate Completion Acreage_e:	Not reported
Area Type Of Institutional Control_e:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PENNZOIL PRODUCTS CO (Continued)

U003436561

Area Nature Of Contaminants_e:	Not reported
Area Name_f:	Not reported
Area Address_f:	Not reported
Area City_f:	Not reported
Area Approximate Size In Acres_f:	Not reported
Area Latitude_f:	Not reported
Area Longitude_f:	Not reported
Area Voluntary Remediation Project #_f:	Not reported
Area Project Manger_f:	Not reported
Area Certificate Of Completion Date_f:	Not reported
Area Certificate Completion Acreage_f:	Not reported
Area Type Of Institutional Control_f:	Not reported
Area Nature Of Contaminants_f:	Not reported
Area Name_g:	Not reported
Area Address_g:	Not reported
Area City_g:	Not reported
Area Approximate Size In Acres_g:	Not reported
Area Latitude_g:	Not reported
Area Longitude_g:	Not reported
Area Voluntary Remediation Project #_g:	Not reported
Area Project Manger_g:	Not reported
Area Certificate Of Completion Date_g:	Not reported
Area Certificate Completion Acreage_g:	Not reported
Area Type Of Institutional Control_g:	Not reported
Area Nature Of Contaminants_g:	Not reported
Area Name_h:	Not reported
Area Address_h:	Not reported
Area City_h:	Not reported
Area Approximate Size In Acres_h:	Not reported
Area Latitude_h:	Not reported
Area Longitude_h:	Not reported
Area Voluntary Remediation Project #_h:	Not reported
Area Project Manger_h:	Not reported
Area Certificate Of Completion Date_h:	Not reported
Area Certificate Completion Acreage_h:	Not reported
Area Type Of Institutional Control_h:	Not reported
Area Nature Of Contaminants_h:	Not reported
Area Name_i:	Not reported
Area Address_i:	Not reported
Area City_i:	Not reported
Area Approximate Size In Acres_i:	Not reported
Area Latitude_i:	Not reported
Area Longitude_i:	Not reported
Area Voluntary Remediation Project #_i:	Not reported
Area Project Manger_i:	Not reported
Area Certificate Of Completion Date_i:	Not reported
Area Certificate Completion Acreage_i:	Not reported
Area Type Of Institutional Control_i:	Not reported
Area Nature Of Contaminants_i:	Not reported
Area Name_j:	Not reported
Area Address_j:	Not reported
Area City_j:	Not reported
Area Approximate Size In Acres_j:	Not reported
Area Latitude_j:	Not reported
Area Longitude_j:	Not reported
Area Voluntary Remediation Project #_j:	Not reported
Area Project Manger_j:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL PRODUCTS CO (Continued)**

**U003436561**

Area Certificate Of Completion Date \_j: Not reported  
Area Certificate Completion Acreage \_j: Not reported  
Area Type Of Institutional Control \_j: Not reported  
Area Nature Of Contaminants \_j: Not reported  
Area Name \_k: Not reported  
Area Address \_k: Not reported  
Area City \_k: Not reported  
Area Approximate Size In Acres \_k: Not reported  
Area Latitude \_k: Not reported  
Area Longitude \_k: Not reported  
Area Voluntary Remediation Project # \_k: Not reported  
Area Project Manger \_k: Not reported  
Area Certificate Of Completion Date \_k: Not reported  
Area Certificate Completion Acreage \_k: Not reported  
Area Type Of Institutional Control \_k: Not reported  
Area Nature Of Contaminants \_k: Not reported  
Area Nature Of Contaminants \_k: Not reported  
EDR Link ID: 04506

**A5**  
Target  
Property

**ETOWAH RIVER TERMINAL LLC**  
**1015 BARLOW DRIVE**  
**CHARLESTON, WV**

**FINDS 1005680223**  
**N/A**

**Site 5 of 9 in cluster A**

**Actual:**  
**604 ft.**

**FINDS:**

Registry ID: 110010851541

**Environmental Interest/Information System**

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

**SPCC**

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A6  
Target  
Property

POCA BLENDING LLC  
1015 BARLOW DR  
CHARLESTON, WV

FINDS 1005648902  
N/A

Site 6 of 9 in cluster A

Actual:  
604 ft.

FINDS:

Registry ID: 110010869658

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

A7  
Target  
Property

1015 BARLOW DR  
CHARLESTON, WV 25311

ERNS 2001585443  
N/A

Site 7 of 9 in cluster A

Actual:  
604 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A8  
Target  
Property

ETOWAH RIVER TERMINAL  
1015 BARLOW DR - SITE B  
CHARLESTON, WV

RCRA-CESQG 1005906367  
FINDS WVR000502559

Site 8 of 9 in cluster A

Actual:  
604 ft.

RCRA-CESQG:

Date form received by agency: 09/02/2011

Facility name: ETOWAH RIVER TERMINAL

Facility address: 1015 BARLOW DR - SITE B

CHARLESTON, WV 25311

EPA ID: WVR000502559

Contact: MICHAEL E BURDETTE

Contact address: 1015 BARLOW DR - SITE B

CHARLESTON, WV 25311

Contact country: US

Contact telephone: 304-720-8065

Contact email: MIKE@FREEDOM-INDUSTRIES.COM

EPA Region: 03

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

ETOWAH RIVER TERMINAL (Continued)

1005906367

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: DENNIS P FARRELL  
Owner/operator address: 1015 BARLOW DR - SITE B  
CHARLESTON, WV 25311  
Owner/operator country: Not reported  
Owner/operator telephone: (304) 755-5737  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 11/30/2001  
Owner/Op end date: Not reported

Owner/operator name: DENNIS P FARRELL  
Owner/operator address: 1015 BARLOW DR - SITE B  
CHARLESTON, WV 25311  
Owner/operator country: US  
Owner/operator telephone: (304) 755-5737  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 11/30/2001  
Owner/Op end date: Not reported

Owner/operator name: MICHAEL BURDETTE  
Owner/operator address: 1015 BARLOW DRIVE  
CHARLESTON, WV 25323  
Owner/operator country: US  
Owner/operator telephone: 304 720-8065  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 09/02/2011  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ETOWAH RIVER TERMINAL (Continued)**

**1005906367**

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 09/22/2010  
Facility name: ETOWAH RIVER TERMINAL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/10/2007  
Facility name: ETOWAH RIVER TERMINAL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/19/2006  
Facility name: ETOWAH RIVER TERMINAL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/13/2006  
Facility name: ETOWAH RIVER TERMINAL  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/21/2002  
Facility name: ETOWAH RIVER TERMINAL  
Classification: Conditionally Exempt Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ETOWAH RIVER TERMINAL (Continued)

1005906367

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/09/2008  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110013294167

Environmental Interest/Information System

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

A9  
Target  
Property

PENNZOIL QUAKER STATE COMPANY ETOWAH TERMINAL  
1015 BARLOW DR.  
CHARLESTON, WV

FINDS 1016101216  
N/A

Site 9 of 9 in cluster A

Actual:  
604 ft.

FINDS:

Registry ID: 110000344333

Environmental Interest/Information System

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

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

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENNZOIL QUAKER STATE COMPANY ETOWAH TERMINAL (Continued)**

**1016101216**

States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

HAZARDOUS WASTE BIENNIAL REPORTER

10  
WNW  
< 1/8  
0.072 mi.  
379 ft.

**SMITH CONCRETE  
2262 PENNSYLVANIA AVE  
CHARLESTON, WV**

**WV UST U003797028  
N/A**

Relative:  
Lower

UST:  
Facility ID: 2-010135  
Owner: SMITH CONCRETE CO  
Owner Address: RT 1 BOX 74  
Owner Address 2: Not reported  
Owner City,St,Zip: POCA, WV 25159  
Owner Telephone: (304) 755-5000

Actual:  
576 ft.

Tank ID: D1  
**Tank Status: Permanently Out of Service**  
Tank Substance: Diesel  
Tank Capacity: 10000  
Date Last Used: 01/01/1994  
Date Closed: 11/08/2001  
Closure Status: Tank removed from ground  
Tank Material: Asphalt Coated or Bare Steel  
Piping Material: Galvanized Steel  
Overfill Installed: No  
Installed Spill Protection: No  
Cathodic Protection Method: No

B11  
WSW  
1/8-1/4  
0.169 mi.  
892 ft.

**RUSSO FRANK AUTO SVC CTR  
2120 PENNSYLVANIA AVE  
CHARLESTON, WV 25302**

**RCRA NonGen / NLR 1000583847  
FINDS WVD988777397**

Relative:  
Lower

RCRA NonGen / NLR:  
Date form received by agency: 05/05/2003  
Facility name: RUSSO FRANK AUTO SVC CTR  
Facility address: 2120 PENNSYLVANIA AVE  
CHARLESTON, WV 25302  
EPA ID: WVD988777397  
Contact: FRANK RUSSO  
Contact address: 2120 PENNSYLVANIA AVE

Actual:  
595 ft.

MAP FINDINGS

Site

Database(s)

**RUSSO FRANK AUTO SVC CTR (Continued)**

**1000583847**

CHARLESTON, WV 25302  
Contact country: US  
Contact telephone: (304) 342-2277  
Contact email: Not reported  
EPA Region: 03  
Land type: Facility is not located on Indian land. Additional information is not known.  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: OPERNAME  
Owner/operator address: OPERSTREET  
OPERCITY, AK 99999

Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: OPERNAME  
Owner/operator address: OPERSTREET  
OPERCITY, AK 99999

Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: DAWSON CAROLYN  
Owner/operator address: PO BOX 124  
PINCH, WV 25156

Owner/operator country: Not reported  
Owner/operator telephone: (304) 965-5365  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: DAWSON CAROLYN  
Owner/operator address: PO BOX 124  
PINCH, WV 25156

Owner/operator country: Not reported  
Owner/operator telephone: (304) 965-5365  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RUSSO FRANK AUTO SVC CTR (Continued)**

**1000583847**

Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 03/06/1991  
Facility name: RUSSO FRANK AUTO SVC CTR  
Classification: Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D000  
Waste name: Not Defined

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**Evaluation Action Summary:**

Evaluation date: 04/02/2003  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110005559207

**Environmental Interest/Information System**

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

B12  
WSW  
1/8-1/4  
0.204 mi.  
1076 ft.

R M S INC  
2108 PENNSYLVANIA AVE  
CHARLESTON, WV

RCRA-CESQG 1004803319  
FINDS WVD988801700  
NY MANIFEST

Site 2 of 2 in cluster B

Relative:  
Lower

RCRA-CESQG:

Date form received by agency: 10/04/2012

Facility name: R M S INC

Facility address: 2108 PENNSYLVANIA AVE  
CHARLESTON, WV 25302

EPA ID: WVD988801700

Contact: BETH HEATER

Contact address: 2108 PENNSYLVANIA AVE  
CHARLESTON, WV 25302

Contact country: US

Contact telephone: 304-346-9661

Contact email: BHEATER@SUDDENLINKMAIL.COM

EPA Region: 03

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: MIDKIFF TERRY G  
Owner/operator address: 2108 PENNSYLVANIA AVE  
CHARLESTON, WV 25302

Owner/operator country: US

Owner/operator telephone: (304) 736-8169

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/18/1993

Owner/Op end date: Not reported

Owner/operator name: MIDKIFF TERRY G  
Owner/operator address: 2108 PENNSYLVANIA AVE  
CHARLESTON, WV 25302

Owner/operator country: US

Owner/operator telephone: (304) 736-8169

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/18/1993

Owner/Op end date: Not reported

Handler Activities Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**R M S INC (Continued)**

**1004803319**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 09/28/2011  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/23/2010  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/17/2009  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/11/2007  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/12/2006  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/10/2006  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/18/1993  
Facility name: R M S INC  
Classification: Conditionally Exempt Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**R M S INC (Continued)**

**1004803319**

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/11/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110005566823

Environmental Interest/Information System

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

NY MANIFEST:

EPA ID: WVD988801700  
Country: USA  
Mailing Name: RMS PRO FINISHES  
Mailing Contact: NEIL STOWASSER  
Mailing Address: 2108 PENNSYLVANIA AVE  
Mailing Address 2: Not reported  
Mailing City: CHARLESTON  
Mailing State: WV  
Mailing Zip: 25302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 304-346-9661

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**R M S INC (Continued)**

**1004803319**

Document ID: NYG0263457  
Manifest Status: Completed copy  
Trans1 State ID: P207083IL  
Trans2 State ID: Not reported  
Generator Ship Date: 970416  
Trans1 Recv Date: 970416  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 970418  
Part A Recv Date: 970428  
Part B Recv Date: 970501  
Generator EPA ID: WVD988801700  
Trans1 EPA ID: NJD080631369  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: F005 - UNKNOWN  
Quantity: 00020  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 97

Document ID: NYG3010455  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: Not reported  
Generator Ship Date: 01/08/2002  
Trans1 Recv Date: 01/08/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/14/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: WVD988801700  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: P207004IL  
Waste Code: F003 - UNKNOWN  
Quantity: 00060  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYG0208044  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: Not reported  
Generator Ship Date: 04/28/1998  
Trans1 Recv Date: 04/28/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/01/1998  
Part A Recv Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**R M S INC (Continued)**

1004803319

Part B Recv Date: Not reported  
Generator EPA ID: WVD988801700  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: P207004IL  
Waste Code: F005 - UNKNOWN  
Quantity: 00030  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYG2663703  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: Not reported  
Generator Ship Date: 01/07/2003  
Trans1 Recv Date: 01/07/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 01/10/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: WVD988801700  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: P207004IL  
Waste Code: F003 - UNKNOWN  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 2003

13  
NE  
1/2-1  
0.530 mi.  
2798 ft.

**YEAGER AIR NATIONAL GUARD  
CHARLESTON, WV**

FUDS 1012129483  
N/A

Relative:  
Higher

Actual:  
826 ft.

FUDS:  
Federal Facility ID: WV9799F7116  
FUDS #: G03WV0001  
INST ID: 53783  
Facility Name: YEAGER AIR NATIONAL GUARD  
City: CHARLESTON  
State: WV  
EPA Region: 03  
County: KANAWHA  
Congressional District: 02  
US Army District: Louisville District (LRL)  
Fiscal Year: 2011  
Telephone: 502-315-6768  
NPL Status: Not Listed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**YEAGER AIR NATIONAL GUARD (Continued)**

**1012129483**

RAB: Not reported  
CTC: 464.8  
Current Owner: LOCAL GOVT  
Current Prog: Not reported  
Future Prog: Not reported  
Description: The site is located at Yeager Airport, 4 miles northeast of Charleston, West Virginia, in Kanawha County. It is currently being used as an Air National Guard Facility. The current owner is Kanawha County.  
The site was acquired from 1943. It consists of approximately 2 acres. The area was formerly used as a vehicle maintenance areas for the National Guard. There are two proposed projects on the site. The areas of concentration are a vehicle maintenance area and four abandoned Underground Storage Tanks (USTs).

Count: 46 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BIG CHIMNEY	1003866351	CHARLIE SLACK POND	ROUTE 114- MILL CREEK ROAD	25302	CERC-NFRAP
CHARLESTON	U003348238	ONE STOP # 3129	RT 1 BOX 285		WV UST, WV Financial Assurance
CHARLESTON	1000460292	PRINTING PRESS	RTE 10		RCRA NonGen / NLR, FINDS
CHARLESTON	U003546298	EUREKA PIPELINE - MILL CR STATI	RT 114		WV UST
CHARLESTON	1004803763	RICH OIL #3937	RTE 114, 2 MI N OF GREEN BRIER	25311	RCRA NonGen / NLR, FINDS
CHARLESTON	U003348190	GOFF'S CARRY OUT	RT 2 BOX 313-1		WV LUST, WV UST
CHARLESTON	U003760975	DRAVO BASIC MATERIALS CO	RT 25		WV UST
CHARLESTON	1016101292	NORTH CHARLESTON DISTRIBUTION TERM	35TH STREET AND 3RD AVENUE		FINDS
CHARLESTON	U001034644	DANNY'S CUSTODIAL CARE INC	RT 4 BOX 358		WV UST
CHARLESTON	U003436425	LANHAM TRANS-PROD OFFICE	RT 4 BOX 144-E		WV UST
CHARLESTON	U003436341	PJ CASANAVE LAND CLEANING CO	RT 5 BOX 304		WV UST
CHARLESTON	1006812405	WVDOH - PATRICK STREET BRIDGE	US 60 - MILE POST 13.98		RCRA NonGen / NLR, FINDS
CHARLESTON	U003760973	MANSOUR PROPERTY	RT 60		WV UST
CHARLESTON	1007572213	THE PAINT SHOP	RT 9 BOX 488	25302	RCRA NonGen / NLR
CHARLESTON	U003760791	RICH OIL #3937 (FORMER R.O. #7337)	RT 9 BOX 539-B		WV LUST, WV UST
CHARLESTON	1007572209	RANDY SHORT BODY SHOP	RT. 9, BOX 488J	25311	RCRA NonGen / NLR
CHARLESTON	1015954886	ELK RIVER TOWN CENTER INN	ADJACENT TO ELK RIVER BETWEEN		FINDS
CHARLESTON	1000460284	EXECUTIVE AIR TERMINAL	AIRPORT HILL		RCRA-CESQG, FINDS
CHARLESTON	1001216808	KANAWHA CNTY SWA RECYCLING CTR	BARLOW DR		RCRA NonGen / NLR, FINDS
CHARLESTON	1015860058	16844-CHARLESTON WV TERMINAL	PO BOX 713		FINDS
CHARLESTON	U001031980	EXECUTIVE AIR TERMINAL INC	300 EAGLE MT RD		WV LUST, WV UST
CHARLESTON	U003933201	KC'S PIZZA FORMER HIS PLAYLAND	INTERSECTION OF TWILIGHT DR &		WV LUST, WV UST
CHARLESTON	1003866422	KEYSTONE DRIVE SITE	KEYSTONE DRIVE	25311	CERC-NFRAP
CHARLESTON	1005527112	MARMET TERMINAL	11005 MACCORKLE AVE S.E.		FINDS
CHARLESTON	1015832111	EXXON - CHARLESTON TERMINAL	MCCORKLE AVE & STANDARD STREET		FINDS
CHARLESTON	1000425785	CGST LINE SM-80 UTAH HOLLOW	1 MI N RTE 622 UTAH HOLLOW		RCRA NonGen / NLR, FINDS
CHARLESTON	1000402289	WESTERN KANAWHA CTY LANDFILL-AKA-K	E OF CROSSLANES N OF RTE 62		CERCLIS, FINDS
CHARLESTON	U003546279	ROYAL OLDSMOBILE	PATRICK ST PLAZA RT 60		WV UST
CHARLESTON	U004155559	CITY CENTER WEST	900 PENNSYLVANIA AVE		WV UST
CHARLESTON	1014402695	PACKERS PLUS ENERGY SERVICES (USA)	2570 A PENNSYLVANIA AVE	25302	RCRA NonGen / NLR
CHARLESTON	1014402699	CRANE AMERICA SERVICES	2570 D PENNSYLVANIA AVE	25302	RCRA-CESQG
CHARLESTON	1004619697	PAR MAR OIL TERMINAL	PORT AMHERST		FINDS
CHARLESTON	1015843474	NEW RIVER COMMUNITY AND TECHNII	WV ROUTE 307		FINDS
CHARLESTON	1002700316	RALEIGH JUNK CO	US RT 60		WV UST
CHARLESTON	U003760962	REED STORAGE LOT	US RT 60		WV UST
CHARLESTON	U003760901	FORMER HUMMINGBIRD FLIGHT SERVIC	RURAL RT 2 BOX 478B		WV UST
CHARLESTON	1014856845	EXXON MOBIL CORP CHARLESTON TERMI	STANDARD & MACCORKLE AVE.		FINDS
CHARLESTON	S109024316	MARATHON TERMINAL - CHARLESTON	STANDARD AND MACCORKLE, AVE.		WV VCP
CHARLESTON	1015932424	CHARLESTON TERMINAL	STANDARD AND MACCORKLE		FINDS
CHARLESTON	1009601111	EXXONMOBIL CHARLESTON TERMINAL	STANDARD & MCCORKLE AVENUE		FINDS
CHARLESTON	1015871494	RIVER RIDGE CHURCH PROJECT	UNKNOWN		FINDS
CHARLESTON	1015923385	KANAWHA RIVER BRIDGE	UNKNOWN		FINDS
CHARLESTON	1015956874	CHARLESTON, WV TERMINAL	UNKNOWN		FINDS

Count: 46 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KANAWHA COUNTY	S113703894	OUTLET 035A ON KANAWHA RIVER	51ST STREET & KANAWHA AVENUE		WV SPILLS
KANAWHA COUNTY	S113248035	LITTLE COAL RIVER RD - CLIFFSIDE S	LITTLE COAL RIVER RD		WV SPILLS
MYRTLE	1008892680	M & J OPERATIONS LLC - MYRTLE MART	US RT 119	25302	RCRA-CESQG

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### *Federal NPL site list*

##### NPL: National Priority List

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 10/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 10/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 10/11/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

### **FEDERAL FACILITY: Federal Facility Site Information listing**

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

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

### **CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2013  
Date Data Arrived at EDR: 08/08/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 36

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/02/2013  
Next Scheduled EDR Contact: 01/13/2014  
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: 07/11/2013  
Date Data Arrived at EDR: 08/08/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 10/02/2013  
Next Scheduled EDR Contact: 01/13/2014  
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: 07/11/2013  
Date Data Arrived at EDR: 08/08/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 10/02/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Quarterly

#### **RCRA-SQG: RCRA - Small Quantity Generators**

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

Date of Government Version: 07/11/2013  
Date Data Arrived at EDR: 08/08/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 10/02/2013  
Next Scheduled EDR Contact: 01/13/2014  
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: 07/11/2013  
Date Data Arrived at EDR: 08/08/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 36

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 10/02/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## *Federal institutional controls / engineering controls registries*

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	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: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/15/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

## *Federal ERNS list*

### ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/13/2014
	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: 09/10/2013
Number of Days to Update: N/A	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 01/04/2011	Source: Division of Environmental Protection
Date Data Arrived at EDR: 01/11/2011	Telephone: 304-926-0499
Date Made Active in Reports: 03/04/2011	Last EDR Contact: 09/30/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/13/2014
	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: 12/31/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/13/2013	Telephone: 304-926-0499
Date Made Active in Reports: 04/04/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/23/2013
	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: 08/14/2013	Source: Division of Environmental Protection
Date Data Arrived at EDR: 09/05/2013	Telephone: 304-926-0455
Date Made Active in Reports: 10/15/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/16/2013
	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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

### **INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

### **INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land**

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

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: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 08/02/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 11/11/2013
	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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

### **State and tribal registered storage tank lists**

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: 03/05/2013	Source: Division of Environmental Protection
Date Data Arrived at EDR: 03/07/2013	Telephone: 304-926-0495
Date Made Active in Reports: 04/05/2013	Last EDR Contact: 09/03/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Annually

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: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 08/02/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	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: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/11/2013
	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: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/11/2013
	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: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

### 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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

### 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: 10/17/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Varies

### *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: 07/01/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/29/2013	Telephone: 304-558-2508
Date Made Active in Reports: 10/15/2013	Last EDR Contact: 08/23/2013
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Varies

### *State and tribal voluntary cleanup sites*

#### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/01/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/13/2014
	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

#### VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 07/01/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/29/2013	Telephone: 304-558-2745
Date Made Active in Reports: 10/15/2013	Last EDR Contact: 08/23/2013
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Semi-Annually

### *State and tribal Brownfields sites*

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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  
Date Data Arrived at EDR: 07/05/2013  
Date Made Active in Reports: 08/15/2013  
Number of Days to Update: 41

Source: Department of Environmental Protection  
Telephone: 304-926-0455  
Last EDR Contact: 10/04/2013  
Next Scheduled EDR Contact: 01/13/2014  
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.

Date of Government Version: 06/24/2013  
Date Data Arrived at EDR: 06/25/2013  
Date Made Active in Reports: 08/09/2013  
Number of Days to Update: 45

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/24/2013  
Next Scheduled EDR Contact: 01/08/2014  
Data Release Frequency: Semi-Annually

#### *Local Lists of Landfill / Solid Waste Disposal Sites*

#### 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: 07/26/2013  
Next Scheduled EDR Contact: 11/11/2013  
Data Release Frequency: No Update Planned

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### 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: 07/31/2013  
Next Scheduled EDR Contact: 11/18/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Local Lists of Hazardous waste / Contaminated Sites

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/06/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/11/2013	Telephone: 202-307-1000
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Quarterly

### CDL: Drug Lab Site Locations

A listing of clandestine drug lab site locations.

Date of Government Version: 11/26/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/29/2012	Telephone: 304-926-0499
Date Made Active in Reports: 12/18/2012	Last EDR Contact: 08/16/2013
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Varies

### US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## Local Land Records

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/11/2013
	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: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 10/01/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 06/30/2013	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/30/2013	Telephone: 304-558-5380
Date Made Active in Reports: 08/15/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

### Other Ascertainable Records

#### RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 07/11/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2013	Telephone: 800-438-2474
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 10/02/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

#### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/18/2013
	Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/18/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/23/2013
	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: 06/30/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 08/07/2013	Telephone: Varies
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Annually

### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 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: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

### 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: 08/01/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/05/2013	Telephone: 303-231-5959
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/16/2013
	Data Release Frequency: Semi-Annually

### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/30/2013
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Annually

### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/24/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/08/2014
	Data Release Frequency: Every 4 Years

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

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/22/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/22/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/09/2013
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

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

Date of Government Version: 12/31/2009	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: 07/24/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/11/2013
	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: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 10/18/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

### RADINFO: Radiation Information Database

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

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 10/09/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/20/2014
	Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (215) 814-5000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	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

### 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: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 11/11/2013
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/26/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Biennially

### UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 07/22/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/22/2011	Telephone: 304-926-0499
Date Made Active in Reports: 09/12/2011	Last EDR Contact: 10/10/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Varies

### DRYCLEANERS: Listing of Drycleaner Locations

A listing of drycleaners which use perchloroethylene.

Date of Government Version: 08/16/2013	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/20/2013	Telephone: 304-926-0475
Date Made Active in Reports: 10/15/2013	Last EDR Contact: 08/16/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Varies

### NPDES: Wastewater Discharge Permits Listing

A listing of wastewater discharge permits.

Date of Government Version: 01/19/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/21/2010	Telephone: 304-926-0495
Date Made Active in Reports: 02/25/2010	Last EDR Contact: 10/21/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

### AIRS: Permitted Facility and Emissions Listing

Permitted facility and emissions information listing.

Date of Government Version: 09/01/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/02/2009	Telephone: 304-926-0499
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/24/2013
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

## 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: 10/18/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: Semi-Annually

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 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: 10/21/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/30/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administered 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: 10/18/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/27/2014
	Data Release Frequency: N/A

### 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: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/07/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/25/2013
	Data Release Frequency: Quarterly

### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013  
Date Data Arrived at EDR: 03/15/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 56

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/27/2013  
Next Scheduled EDR Contact: 12/02/2013  
Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 11/11/2011  
Date Data Arrived at EDR: 05/18/2012  
Date Made Active in Reports: 05/25/2012  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/16/2013  
Next Scheduled EDR Contact: 11/25/2013  
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  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 08/02/2013  
Next Scheduled EDR Contact: 11/11/2013  
Data Release Frequency: Varies

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

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

Date of Government Version: 01/23/2013  
Date Data Arrived at EDR: 01/30/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 09/30/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Annually

### 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: 08/17/2010  
Date Data Arrived at EDR: 01/03/2011  
Date Made Active in Reports: 03/21/2011  
Number of Days to Update: 77

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 09/13/2013  
Next Scheduled EDR Contact: 12/23/2013  
Data Release Frequency: Varies

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013  
Date Data Arrived at EDR: 07/03/2013  
Date Made Active in Reports: 09/13/2013  
Number of Days to Update: 72

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 10/04/2013  
Next Scheduled EDR Contact: 01/13/2014  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### COAL ASH: Coal Ash Landfills

A listing of coal ash landfill site locations.

Date of Government Version: 04/07/2011  
Date Data Arrived at EDR: 04/27/2011  
Date Made Active in Reports: 06/02/2011  
Number of Days to Update: 36

Source: Department of Environmental Protection  
Telephone: 304-926-0499  
Last EDR Contact: 09/30/2013  
Next Scheduled EDR Contact: 01/13/2014  
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  
Date Data Arrived at EDR: 03/07/2013  
Date Made Active in Reports: 04/05/2013  
Number of Days to Update: 29

Source: Department of Environmental Protection  
Telephone: 304-926-0499  
Last EDR Contact: 09/03/2013  
Next Scheduled EDR Contact: 12/16/2013  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013  
Date Data Arrived at EDR: 02/14/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 09/24/2013  
Next Scheduled EDR Contact: 01/20/2014  
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  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### 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  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 10/15/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Varies

### 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 (oil 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### EDR US Hist Auto Stat: 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  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

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

### EDR US Hist Cleaners: 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  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

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

### EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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

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

### EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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

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

### OTHER DATABASE(S)

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 10/18/2013  
Next Scheduled EDR Contact: 01/27/2014  
Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2013  
Date Data Arrived at EDR: 08/07/2013  
Date Made Active in Reports: 09/10/2013  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/07/2013  
Next Scheduled EDR Contact: 11/18/2013  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 07/24/2013  
Date Made Active in Reports: 08/19/2013  
Number of Days to Update: 26

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/21/2013  
Next Scheduled EDR Contact: 02/03/2014  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 06/21/2013  
Date Made Active in Reports: 08/05/2013  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/23/2013  
Next Scheduled EDR Contact: 12/09/2013  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 08/09/2013  
Date Made Active in Reports: 09/27/2013  
Number of Days to Update: 49

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/16/2013  
Next Scheduled EDR Contact: 12/30/2013  
Data Release Frequency: Annually

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

### Electric Power Transmission Line Data

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247  
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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

### AHA Hospitals:

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: 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 and 2005 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

ETOWAH RIVER TERMINAL  
1015 BARLOW DRIVE  
CHARLESTON, WV 25311

### TARGET PROPERTY COORDINATES

Latitude (North):	38.3689 - 38° 22' 8.04"
Longitude (West):	81.6065 - 81° 36' 23.40"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	447017.2
UTM Y (Meters):	4246714.0
Elevation:	604 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	38081-C5 CHARLESTON EAST, WV
Most Recent Revision:	1996
North Map:	38081-D5 BIG CHIMNEY, WV
Most Recent Revision:	1976

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).

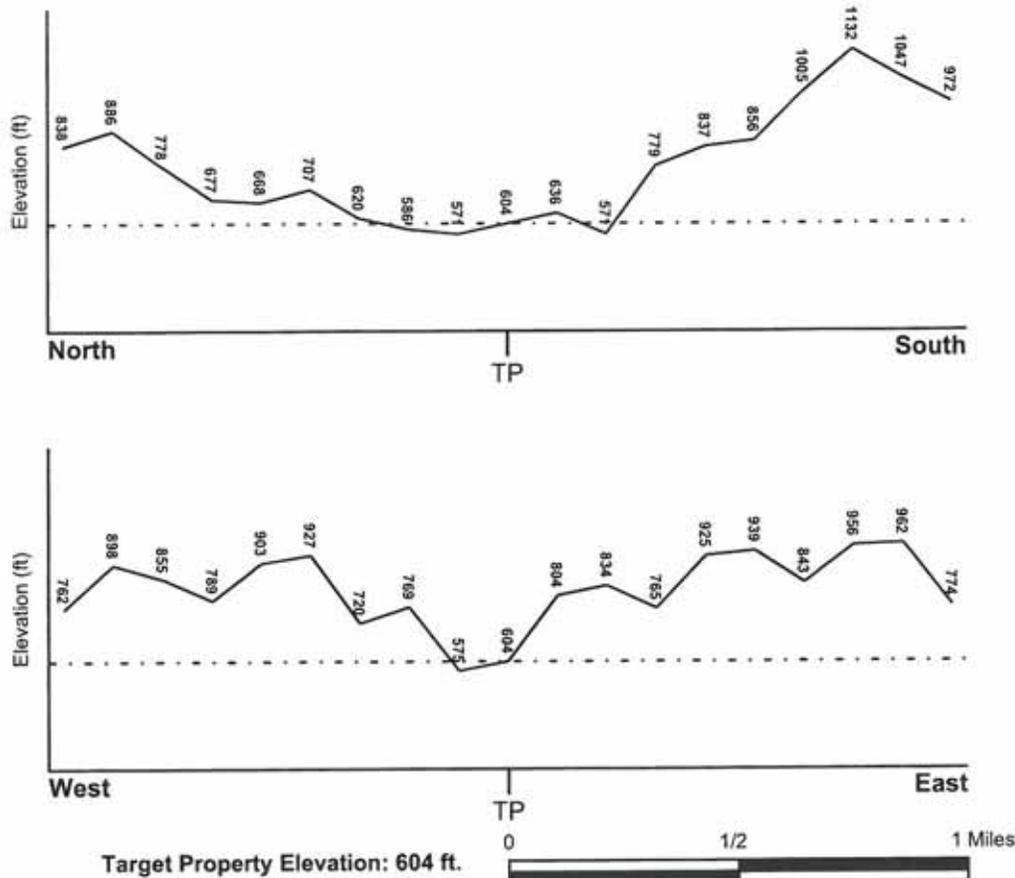
## TOPOGRAPHIC INFORMATION

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 WNW

## 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> KANAWHA, WV	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	54039C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> CHARLESTON EAST	<u>NWI Electronic Data Coverage</u> 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

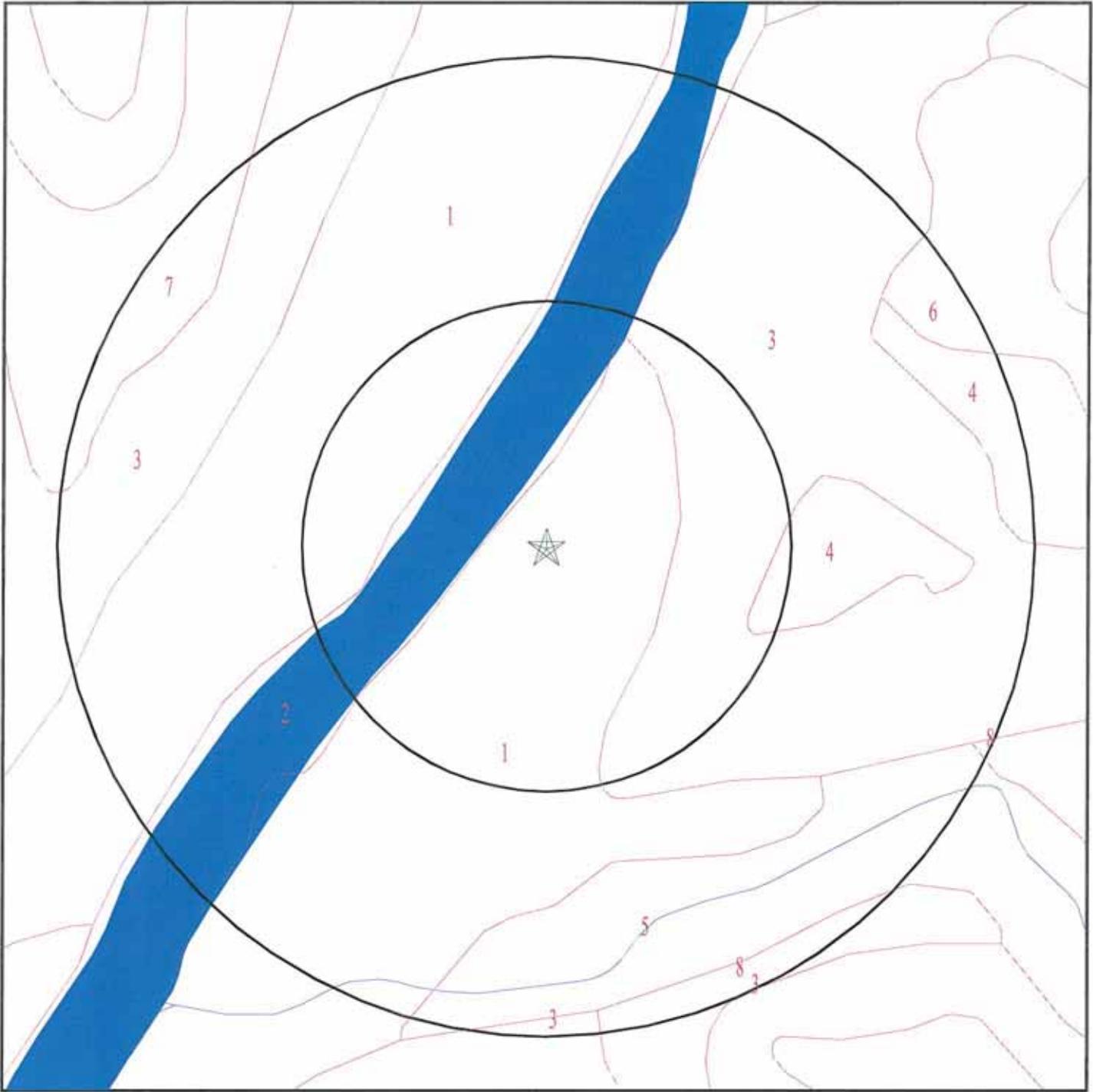
Era: Paleozoic  
System: Pennsylvanian  
Series: Des Moinesian Series  
Code: PP2 *(decoded above as Era, System & Series)*

#### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

# SSURGO SOIL MAP - 3768426.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Etowah River Terminal  
ADDRESS: 1015 Barlow Drive  
Charleston WV 25311  
LAT/LONG: 38.3689 / 81.6065

CLIENT: Thrasher Engineering, Inc.  
CONTACT: Jeffrey Todd  
INQUIRY #: 3768426.2s  
DATE: October 28, 2013 9:54 am

## 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: Udorthents, smoothed

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: 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: 3

Soil Component Name: Clymer

Soil Surface Texture: channery 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 76 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	11 inches	channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	37 inches	channery clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	37 inches	51 inches	very channery loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	51 inches	55 inches	weathered bedrock	Not reported	Not reported	Max: 4 Min: 1.4	Max: Min:

### 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	11 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6

## 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	11 inches	29 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	29 inches	35 inches	very channery silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	35 inches	38 inches	unweathered bedrock	Not reported	Not reported	Max: 4 Min: 1.4	Max: Min:

---

### Soil Map ID: 5

Soil Component Name: Udifluvents

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: Unknown  
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: 6

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	11 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	29 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	29 inches	35 inches	very channery silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	35 inches	38 inches	unweathered bedrock	Not reported	Not reported	Max: 4 Min: 1.4	Max: Min:

### Soil Map ID: 7

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	11 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	29 inches	channery silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	29 inches	35 inches	very channery silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	35 inches	38 inches	unweathered bedrock	Not reported	Not reported	Max: 4 Min: 1.4	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 8**

Soil Component Name: Laidig  
 Soil Surface Texture: channery sandy 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: Moderate  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 63 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	channery sandy loam	Not reported	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	44 inches	channery loam	Not reported	Not reported	Max: 42 Min: 4	Max: 5.5 Min: 3.6
3	44 inches	81 inches	very channery loam	Not reported	Not reported	Max: 4 Min: 0.42	Max: 5.5 Min: 3.6

**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 1 mile
State Database	1.000

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS40001296906	0 - 1/8 Mile NW
A2	USGS40001296910	1/8 - 1/4 Mile NW
3	USGS40001296882	1/4 - 1/2 Mile WSW
B4	USGS40001296815	1/2 - 1 Mile SE
5	USGS40001296969	1/2 - 1 Mile NNE
B6	USGS40001296809	1/2 - 1 Mile SE

## 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

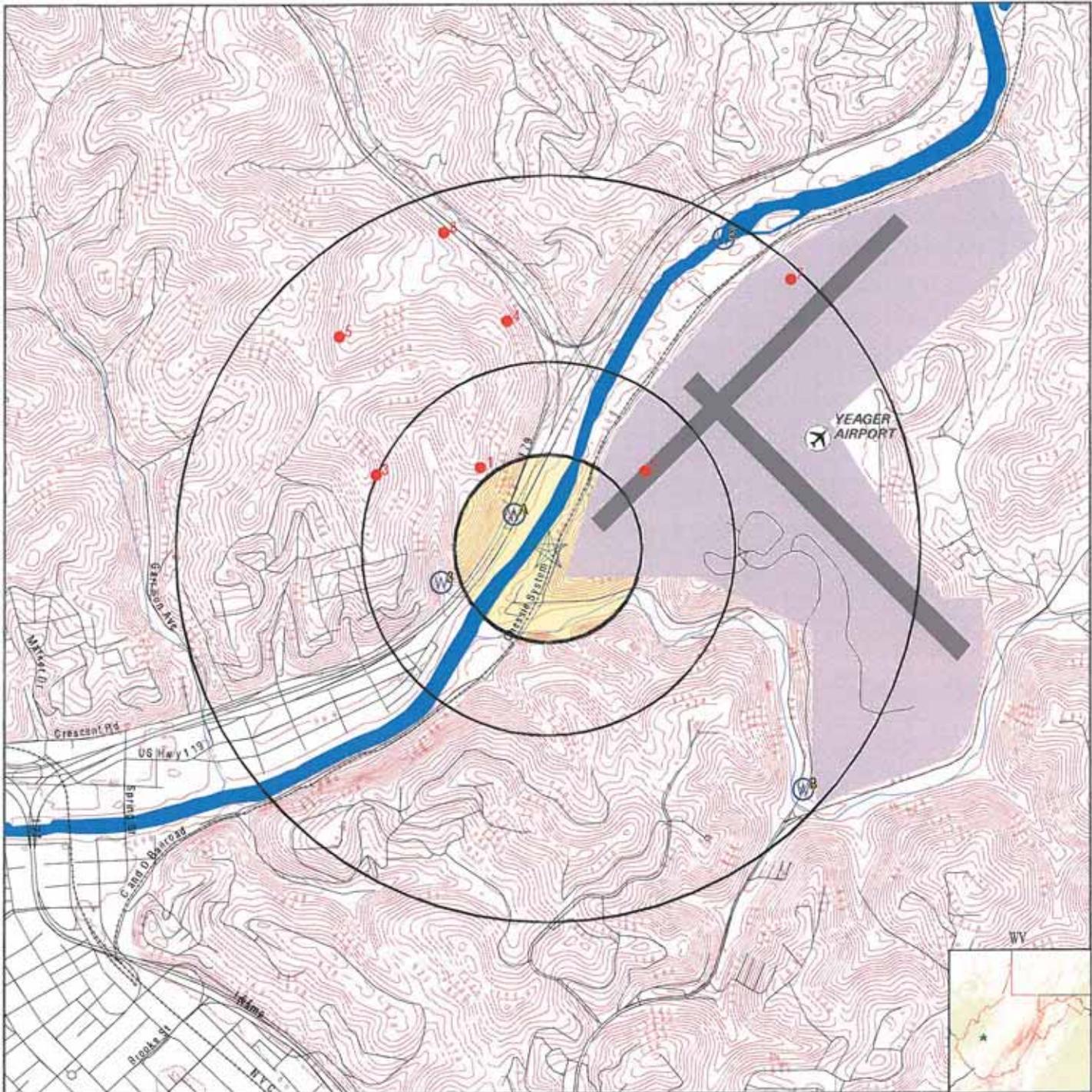
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	WVOG80000031988	1/4 - 1/2 Mile NW
2	WVOG80000042009	1/4 - 1/2 Mile NE
3	WVOG80000025385	1/2 - 1 Mile WNW
4	WVOG80000094595	1/2 - 1 Mile North
5	WVOG80000084815	1/2 - 1 Mile NW
6	WVOG80000019304	1/2 - 1 Mile NNW
7	WVOG80000042010	1/2 - 1 Mile NE

# PHYSICAL SETTING SOURCE MAP - 3768426.2s



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

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



SITE NAME: Etowah River Terminal  
 ADDRESS: 1015 Barlow Drive  
 Charleston WV 25311  
 LAT/LONG: 38.3689 / 81.6065

CLIENT: Thrasher Engineering, Inc.  
 CONTACT: Jeffrey Todd  
 INQUIRY #: 3768426.2s  
 DATE: October 28, 2013 9:54 am

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**NW**  
**0 - 1/8 Mile**  
**Lower**      **FED USGS**      **USGS40001296906**

Org. Identifier:	USGS-WV	
Formal name:	USGS West Virginia Water Science Center	
Monloc Identifier:	USGS-382212081363001	
Monloc name:	Kan-0700	
Monloc type:	Well	
Monloc desc:	Original station name was 8 41L E SURGEON	
Huc code:	05050007	Drainagearea value: Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units:	Not Reported	Latitude: 38.3700972
Longitude:	-81.6081789	Sourcemap scale: Not Reported
Horiz Acc measure:	1	Horiz Acc measure units: seconds
Horiz Collection method:	Interpolated from map	
Horiz coord refs:	NAD83	Vert measure val: 600.00
Vert measure units:	feet	Vertacc measure val: 10
Vert accmeasure units:	feet	
Vertcollection method:	Interpolated from topographic map	
Vert coord refs:	NGVD29	Countrycode: US
Aquifername:	Alluvial aquifers	
Formation type:	Not Reported	
Aquifer type:	Not Reported	
Construction date:	19100101	Welldepth: 33
Welldepth units:	ft	Wellholedepth: Not Reported
Wellholedepth units:	Not Reported	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-04-01	18.00	

**A2**  
**NW**  
**1/8 - 1/4 Mile**  
**Lower**      **FED USGS**      **USGS40001296910**

Org. Identifier:	USGS-WV	
Formal name:	USGS West Virginia Water Science Center	
Monloc Identifier:	USGS-382213081363001	
Monloc name:	Kan-0329	
Monloc type:	Well	
Monloc desc:	Original station name was 4006066	
Huc code:	05050007	Drainagearea value: Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units:	Not Reported	Latitude: 38.370375
Longitude:	-81.6081789	Sourcemap scale: Not Reported
Horiz Acc measure:	1	Horiz Acc measure units: seconds
Horiz Collection method:	Interpolated from map	
Horiz coord refs:	NAD83	Vert measure val: 600.00
Vert measure units:	feet	Vertacc measure val: 20
Vert accmeasure units:	feet	
Vertcollection method:	Interpolated from topographic map	
Vert coord refs:	NGVD29	Countrycode: US
Aquifername:	Not Reported	
Formation type:	Not Reported	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	33
Construction date:	19100101	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-04-01	19.00	

**3**

**WSW**

**1/4 - 1/2 Mile**

**Higher**

FED USGS

USGS40001296882

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-382203081364301		
Monloc name:	Kan-0698		
Monloc type:	Well		
Monloc desc:	Original station name was 7 41DORA HUBBERT		
Huc code:	05050007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3675972
Longitude:	-81.61179	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refs:	NAD83	Vert measure val:	610.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refs:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19000101	Welldepth:	7
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1957-04-01	3.00	

**B4**

**SE**

**1/2 - 1 Mile**

**Lower**

FED USGS

USGS40001296815

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-382135081353901		
Monloc name:	Kan-0683		
Monloc type:	Well		
Monloc desc:	Original station name was 9 41H C GUHRKEN		
Huc code:	05050007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3598199
Longitude:	-81.5940116	Sourcemap scale:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map	Vert measure val:	600.00
Horiz coord refsys:	NAD83	Vertacc measure val:	10
Vert measure units:	feet	Countrycode:	US
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29		
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19100101	Welldepth:	17
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1957-03-01	9.00	

**5**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS4000129699**

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-382251081355301		
Monloc name:	Kan-0354		
Monloc type:	Well		
Monloc desc:	Original station name was 4006065		
Huc code:	05050007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3809304
Longitude:	-81.5979011	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	605.00
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19400101	Welldepth:	59
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1957-04-01	25.00	

**B6**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001296809**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-WV		
Formal name:	USGS West Virginia Water Science Center		
Monloc Identifier:	USGS-382133081353801		
Monloc name:	Kan-0290		
Monloc type:	Well		
Monloc desc:	Original station name was 4005004		
Huc code:	05050007	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.3592644
Longitude:	-81.5937338	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	622.00
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Alluvial aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19100101	Welldepth:	17
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1957-03-01	9.00	
------------	------	--

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

<b>1</b>		<b>OIL_GAS</b>	<b>WVOG80000031988</b>
<b>NW</b>			
1/4 - 1/2 Mile			
Well x:	446728.5		
Well y:	4247272.1		
Geosource:	ERIS-LL	Status:	Active Well
Type:	Gas Well	Use:	Production
Depth:	Shallow greater than 3,000 feet	Rig type:	Rotary Rig
Farm name:	LANE, RONALD, INC.		
Well numbr:	R. LANE 3		
Resp party:	RESERVE OIL & GAS, INC.		
Api:	039-05986		
County:	39		
Permit:	5986		
Recvd date:	20070308	Issue date:	20070308
Permitid:	3905986	Permit id:	Not Reported
Site id:	WVOG80000031988		

<b>2</b>		<b>OIL_GAS</b>	<b>WVOG80000042009</b>
<b>NE</b>			
1/4 - 1/2 Mile			
Well x:	447437.1		
Well y:	4247252.2		
Geosource:	ERIS-LL	Status:	NA
Type:	NA	Use:	NA
Depth:	NA	Rig type:	NA
Farm name:	CENTRAL WV REGIONAL AIRPO		
Well numbr:	YEAGER 1		
Resp party:	RESERVE OIL & GAS, INC.		
Api:	039-06326		
County:	39		
Permit:	6326		
Recvd date:	20111213	Issue date:	20111219
Permitid:	3906326	Permit id:	Not Reported
Site id:	WVOG80000042009		

<b>3</b>		<b>OIL_GAS</b>	<b>WVOG80000025385</b>
<b>WNW</b>			
1/2 - 1 Mile			
Well x:	446278.9		
Well y:	4247244.6		
Geosource:	ERIS-LL	Status:	NA
Type:	Gas Well	Use:	Production
Depth:	Shallow greater than 3,000 feet	Rig type:	Rotary Rig
Farm name:	RONALD LANE, INC.		
Well numbr:	R. LANE 6		
Resp party:	RESERVE OIL & GAS, INC.		
Api:	039-06222		
County:	39		
Permit:	6222		
Recvd date:	20090126	Issue date:	20090129

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permitid: 3906222 Permit id: Not Reported  
 Site id: WVOG80000025385

**4**  
**North**  
**1/2 - 1 Mile** OIL\_GAS WVOG80000094595

Well x: 446846  
 Well y: 4247902.4  
 Geosource: ERIS-LL Status: Active Well  
 Type: Gas Well Use: Production  
 Depth: Shallow greater than 3,000 feet Rig type: Rotary Rig  
 Farm name: LANE, RONALD, INC.  
 Well numbr: R. LANE 2  
 Resp party: RESERVE OIL & GAS, INC.  
 Api: 039-05985  
 County: 39  
 Permit: 5985  
 Recvd date: 20070308 Issue date: 20070308  
 Permitid: 3905985 Permit id: Not Reported  
 Site id: WVOG80000094595

**5**  
**NW**  
**1/2 - 1 Mile** OIL\_GAS WVOG80000084815

Well x: 446122.1  
 Well y: 4247841.5  
 Geosource: ERIS-LL Status: NA  
 Type: Gas Well Use: Production  
 Depth: Shallow greater than 3,000 feet Rig type: Rotary Rig  
 Farm name: RONALD LANE, INCORPORATED  
 Well numbr: R. LANE 1  
 Resp party: RESERVE OIL & GAS, INC.  
 Api: 039-06156  
 County: 39  
 Permit: 6156  
 Recvd date: 20080715 Issue date: 20080722  
 Permitid: 3906156 Permit id: Not Reported  
 Site id: WVOG80000084815

**6**  
**NNW**  
**1/2 - 1 Mile** OIL\_GAS WVOG80000019304

Well x: 446574.7  
 Well y: 4248286.5  
 Geosource: ERIS-LL Status: Active Well  
 Type: Gas Well Use: Production  
 Depth: Shallow greater than 3,000 feet Rig type: Rotary Rig  
 Farm name: RONALD LANE, INC.  
 Well numbr: R. LANE 4  
 Resp party: RESERVE OIL & GAS, INC.  
 Api: 039-06003  
 County: 39  
 Permit: 6003  
 Recvd date: 20070515 Issue date: 20070523

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permitid:	3906003	Permit id:	Not Reported
Site id:	WVOG80000019304		

<b>7</b>		<b>OIL_GAS</b>	<b>WVOG80000042010</b>
<b>NE</b>			
<b>1/2 - 1 Mile</b>			
Well x:	448068.3		
Well y:	4248073.1		
Geosource:	ERIS-LL	Status:	NA
Type:	NA	Use:	NA
Depth:	NA	Rig type:	NA
Farm name:	CENTRAL WV REGIONAL AIRPO		
Well numbr:	YEAGER 2		
Resp party:	RESERVE OIL & GAS, INC.		
Api:	039-06327		
County:	39		
Permit:	6327		
Recvd date:	20111213	Issue date:	20111219
Permitid:	3906327	Permit id:	Not Reported
Site id:	WVOG80000042010		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 25311

Number of sites tested: 66.

Maximum Radon Level: 9.5 pCi/L.

Minimum Radon Level: 0.3 pCi/L.

<u>pCi/L</u> <u>&lt;4</u>	<u>pCi/L</u> <u>4-10</u>	<u>pCi/L</u> <u>10-20</u>	<u>pCi/L</u> <u>20-50</u>	<u>pCi/L</u> <u>50-100</u>	<u>pCi/L</u> <u>&gt;100</u>
51 (77.27%)	15 (22.73%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

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

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

### SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### 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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Etowah River Terminal  
1015 Barlow Drive  
Charleston, WV 25311

Inquiry Number: 3768426.7  
November 4, 2013

## The EDR Environmental LienSearch™ Report



440 Wheelers Farms Road  
Milford, CT 06461  
800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

## EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

### **Disclaimer - Copyright and Trademark Notice**

This report was prepared for the use of Environmental Data Resources, Inc., and Data Abstract Information Services, Inc. exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and Data Abstract Information Services Inc specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## EDR Environmental LienSearch™ Report

### TARGET PROPERTY INFORMATION

#### ADDRESS

ETOWAH RIVER TERMINAL  
1015 BARLOW DRIVE  
CHARLESTON, WV 25311

#### RESEARCH SOURCE

Source 1: Kanawha County Recorder Office

Source 2: N/A

Examiner's Note: Public records were searched in Kanawha County, WV from January 1, 1980 through October 21, 2013

#### PROPERTY DESCRIPTION

Current Owner: Etowah River Terminal, L.L.C.

Legal Description: See attached deed

Property Identifiers: APN: Elk District, Map 44L, Parcels 30, 31, 32, & 33

General Comments: N/A

#### PROPERTY INFORMATION

##### **Deed 1:**

Type of Deed: Deed

Title is vested in: Etowah River Terminal, L.L.C.

Title received from: Pennzoil-Quaker State Company

Date Executed: November 30, 2001

Date Recorded: December 31, 2001

Book: 2541

Page: 126

Volume:

Instrument #:

Docket:

Land Record Comments: N/A

## EDR Environmental LienSearch™ Report

### ENVIRONMENTAL LIEN

Environmental Lien: Found  Not Found x

If found:

1<sup>st</sup> Party:

2<sup>nd</sup> Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found  Not Found x

If found:

1<sup>st</sup> Party:

2<sup>nd</sup> Party

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

**EDR Environmental LienSearch™ Report**

**DEED EXHIBIT**

DEED 2541 126  
 Recorded In Above Book and Page  
 12/31/2001 02:11:13 PM  
 Alma Y. King  
 County Clerk  
 Kanawha County, WV  
 Deed Tax 2640.00  
 Recording Fee 11.00  
 TOTAL 2651.00

SPECIAL WARRANTY DEED

STATE OF WEST VIRGINIA §  
 COUNTY OF KANAWAH §

KNOW ALL MEN BY THESE PRESENTS:

THAT PENNZOIL-QUAKER STATE COMPANY (a corporation incorporated under the laws of the State of Delaware, the Grantor, for and in consideration of the sum of SIX HUNDRED THOUSAND AND NO/100 DOLLARS (\$600,000.00) and other good and valuable consideration in hand paid by the Grantee hereinafter named, the receipt and sufficiency of which is hereby acknowledged and confessed, has BARGAINED, GRANTED, SOLD AND CONVEYED and by these presents does BARGAIN, GRANT, SELL AND CONVEY, unto ETOWAH RIVER TERMINAL, L.L.C., a West Virginia limited liability corporation, hereinafter called "Grantee", whose tax mailing address is P. O. Box 2181, Charleston, West Virginia 25328, all that certain tract or parcel of land, together with all improvements and fixtures, if any, owned by Grantor and commonly known as 1015 Barlow Drive, City of Charleston, County of Kanawha, State of West Virginia and being more fully described on Exhibit A attached hereto and made a part hereof for all purposes.

TO HAVE AND TO HOLD the above granted and bargained premises, with the appurtenances thereunto belonging, unto the said Grantee, its successors and assigns forever. And the said Grantor does for itself and its successors and assigns covenant with said Grantee, its successors and assigns, that at and until the ensealing of these presents it is well seized of the above-described premises as a good and indefeasible estate in fee simple, and has good right to bargain and sell the same in manner and form as above written; that the same are free and clear from all encumbrances whatsoever, made by the Grantor, except restrictions, conditions, and easements of record, zoning ordinances, if any, and taxes and assessments, if any, both general and special.

And, that it will WARRANT AND DEFEND said premises with the appurtenances thereunto belonging, to the said Grantee, its successors and assigns, forever, against all lawful claims and demands whatsoever, of all persons claiming by, through or under the Grantor but against none other.

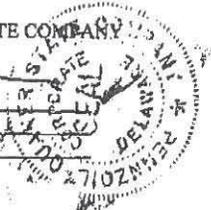
PLEASE RETURN TO  
 CARL D. ANDREWS  
 P. O. BOX 1386  
 CHARLESTON WV 25325

DEED 2541 127

IN WITNESS WHEREOF, said corporation sets its hand and its corporate seal this 30th  
day of November, 2001.

PENNZOIL-QUAKER STATE COMPANY

By: [Signature]  
Name: Paul B. Siegel  
Title: Vice President



SIGNED AND ACKNOWLEDGED  
IN THE PRESENCE OF:

[Signature]  
Assistant Secretary

STATE OF TEXAS            §  
COUNTY OF HARRIS       §

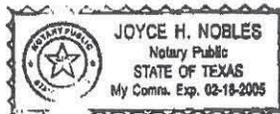
BEFORE ME, a Notary Public in and for said County, personally appeared the above  
named Paul B. Siegel, Vice President of Pennzoil-Quaker State  
Company, and Susan D. Koontz, its Assistant Secretary, who acknowledged that they did  
sign the foregoing instrument and that the same is the free act and deed of said corporation and the free  
act and deed of each of them personally and as such officers.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Houston,  
Texas, this 30th day of November, 2001.

[Signature]  
Notary Public  
State of Texas

My commission expires:  
2/18/05

This instrument was prepared by:  
Pennzoil-Quaker State Company  
Legal Department  
P. O. Box 2967  
Houston, TX 77252-2967  
Attn: Katherine L. Cinque



## EXHIBIT A

All those certain tracts or parcels of land situate and being in Elk District, Kanawha County, West Virginia, being more particularly bounded and described as follows:

Tract No. 1 - 1.56 acres:

Beginning at an iron pin in the northwest right-of-way line of the Baltimore & Ohio Railroad, which pin is also at the northeast corner of the property of the Board of Education of Kanawha County (known locally as the Bowers School); thence leaving the Baltimore & Ohio Railway right-of-way line and running with the north line of said Bowers School property N. 66° 03' W. passing an iron pin at 204 feet, at the top of the river bank, in all 285 feet to low water mark of Elk River; thence leaving said Bowers School property and running up Elk River with low water mark N. 40° 35' E. 303 feet to a stake; thence leaving Elk River S. 64° E. passing an iron pin at the top of the river bank at 76 feet, in all 196 feet, to an iron pin in the northwest right-of-way line of the Baltimore & Ohio Railroad; thence with the northwest right-of-way line of the Baltimore & Ohio Railroad by a slightly curved line to the left 155.5 feet to a stake; thence S. 22° 03' W. 128.5 feet to the beginning, containing 1.56 acres, more or less; and being the same property that was conveyed by Edith Bowers Bailey and Homer Bailey, her husband, to Elk Refining Company by deed dated December 28, 1938, recorded in Deed Book 481, page 499.

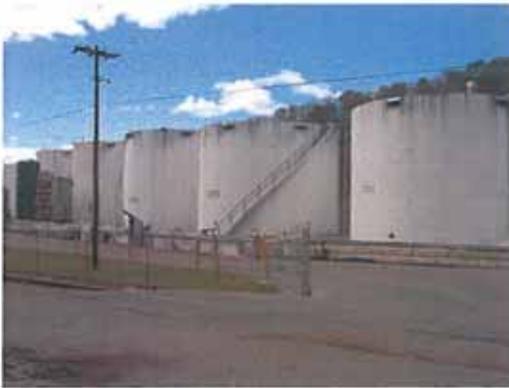
Tract No. 2 - 1.3 acres:

BEGINNING at an iron pin in the westerly line of the right-of-way of said Baltimore & Ohio Railroad Company, which pin is at the common corner between the property hereby conveyed and a tract of 1.56 acres on the southerly side thereof which was conveyed to said Elk Refining Company by Edith Bowers Bailey and Homer W. Bailey, her husband, by deed dated the 28<sup>th</sup> day of December, 1938, of record in the office of the Clerk of the County Court of Kanawha County, West Virginia, in Deed Book 481, at page 499; thence with the westerly line of said right-of-way and with a curve to the right 200 feet in a northeasterly direction to a stake; thence continuing with the westerly line of said right-of-way N. 26° 30' E. 175 feet to an iron pin; thence leaving said right-of-way N. 64° W. 106.5 feet to a stake at low water mark of Elk River; thence down Elk River and with the meanders thereof S. 39° 25' W. 385.6 feet to an iron pin, which is a common corner between the property hereby conveyed and the adjoining tract owned by the Elk Refining Company; thence with the division line between said tracts S. 64° 0' E. 196 feet to the point and place of beginning, containing 1.3 acres, more or less; and being the same property that was conveyed by Delia Bowers, widow, and James C. Bowers, unmarried, to Elk Refining Company by deed dated August 30, 1941, recorded in Deed Book 588, page 145.

Rosebud Mining Company  
Etowah River Terminal

Photo Log  
ESA Phase 1  
11/6/13

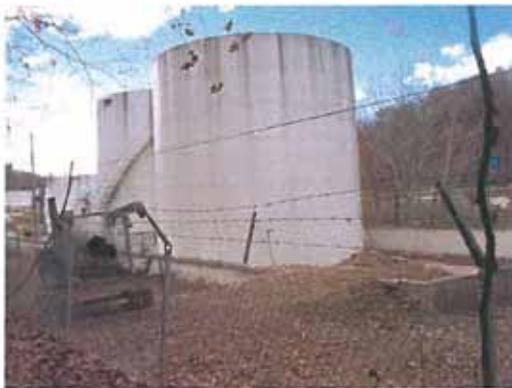
1) Tank farm yard facing southwest  
from north entrance



2) Barlow Drive facing south from  
northern entrance



3) ASTs 393 & 394 facing southwest



4) Emergency fire hydrant located at  
northern property limits



5) Loading dock area of subject property facing south



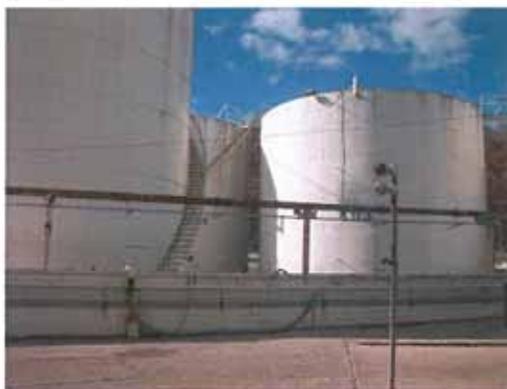
6) Dike area around AST 399 showing staining



5) Empty diesel AST with secondary Containment



6) Tank farm location facing west from Barlow Drive



9) Oil / water separator located near loading dock on subject property



10) Natural gas utility meter located on subject property



11) Parking area of subject property facing southwest towards garage



12) Adjoining residential property to the south of the subject property



13) Subject property facing northwest  
From south entrance



14) Subject property facing north from  
the rear of facility



15) Debris / Scrap pile located near  
southern limits of the subject property



16) Mechanic garage location on subject  
property



17) Staining located in mechanic garage under hydraulic lift stand



18) Storage wing - location of garage



19) 55 gallon drums and totes both full and empty of hydrochloric acid in storage wing of garage



20) Close-up picture of hydrochloric acid tote ~ 3/4 full showing label



21) Dry solid bulk storage products located in loading wing of office building



22) CLEARFLOC label on dry solid bulk storage product in loading wing



23) Basement storage room below office building



24) File storage room in basement below office locations



25) Magnafloc label on dry solid bulk storage product in loading wing



26) Loading dock department of office building



27) Dry bulk solid storage room adjoining loading dock



28) Office areas of main structure



November 6, 2013

Mr. or Ms.  
Regional Freedom of Information Officer  
U.S. EPA Region 3  
1650 Arch Street  
Philadelphia, PA 19103

RE: Freedom of Information Act Request  
Project No. 202-70-0274

Dear Sir or Madam.

Based upon provisions in the Freedom of Information Act, Thrasher Group, Inc. (THRASHER) requests that your files be reviewed to assess whether there are records for the following site:

Name: Etowah River Terminal  
Owner: Etowah River Terminal, LLC  
Coordinates: 38°22'08.45" N, 81°36'22.82" W  
Address: 1015 Barlow Drive, Kanawha County, Charleston, West Virginia 25311  
Tax District: Elk  
Tax Map Number 44L, Parcels 30, 31, 32, & 33  
Deed Book 2541 pg. 126  
Acreage: Approximately 5

An attachment showing the subject property on aerial and topographic mapping has been provided for your assistance in locating the site.

If such records are maintained, THRASHER requests that copies be made available.

Please direct responses to this FOIA request to [jtodd@thrashereng.com](mailto:jtodd@thrashereng.com)

Thank you for your assistance and consideration.

Sincerely,

THRASHER GROUP, INC.

Jeffrey C. Todd  
Environmental Scientist

November 6, 2013

Mr. or Ms.  
West Virginia Department of Environmental Protection  
Public Information Office  
601 57<sup>th</sup> Street  
Charleston, WV 25304

RE: Freedom of Information Act Request  
Project No. 202-70-0274

Dear Sir or Madam.

Based upon provisions in the Freedom of Information Act, Thrasher Group, Inc. (THRASHER) requests that your files be reviewed to assess whether there are records for the following site:

Name: Etowah River Terminal  
Owner: Etowah River Terminal, LLC  
Coordinates: 38°22'08.45" N, 81°36'22.82" W  
Address: 1015 Barlow Drive, Kanawha County, Charleston, West Virginia 25311  
Tax District: Elk  
Tax Map Number 44L, Parcels 30, 31, 32, & 33  
Deed Book 2541 pg. 126  
Acreage: Approximately 5

An attachment showing the subject property on aerial and topographic mapping has been provided for your assistance in locating the site.

If such records are maintained, THRASHER requests that copies be made available.

Please direct responses to this FOIA request to [jtodd@thrashereng.com](mailto:jtodd@thrashereng.com)

Thank you for your assistance and consideration.

Sincerely,

THRASHER GROUP, INC.

Jeffrey C. Todd  
Environmental Scientist

## Jeffrey C. Todd

---

**From:** Chandler, Jeanne <Jeanne.Chandler@wv.gov>  
**Sent:** Wednesday, November 13, 2013 3:36 PM  
**To:** Jeffrey C. Todd  
**Cc:** DEP FOIA  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013

Mr. Todd –

The Division of Air Quality has files for the Etowah River Terminal located at Barlow Drive, Charleston. Please contact me to schedule a time to review the files.

Jeanne

Jeanne L. Chandler, M.A.  
WV Department of Environmental Protection  
Division of Air Quality  
601 57th Street SE  
Charleston, WV 25304  
304.926.0499 Ext. 1250  
304.926.0479 Fax

"Promoting a healthy environment."

---

**From:** DEP FOIA  
**Sent:** Wednesday, November 06, 2013 11:31 AM  
**To:** Ammons, Donna J; Balladares, Heather N; Chandler, Jeanne; Gibson, Jeff S; Kozak, Peggy J; Ombler, Tonya K; White, Joni J  
**Subject:** 2013-11-027 – Jeffrey Todd – November 6, 2013

**Re: Freedom of Information Act (FOIA) Request #2013-11-027**

Attached, please find a FOIA from Jeffrey Todd with Thrasher. Please contact the requester at [JTodd@thrashereng.com](mailto:JTodd@thrashereng.com) to let them know whether or not you have the requested information and when they can view/copy/receive it. **Please reference the above FOIA number and respond to [depfoia@wv.gov](mailto:depfoia@wv.gov) with the amount invoiced and your mail code when complete.**

Sarah Alford  
Ext. 1641

---

**From:** Jeffrey C. Todd [<mailto:jtodd@thrashereng.com>]  
**Sent:** Wednesday, November 06, 2013 11:04 AM  
**To:** DEP FOIA  
**Subject:** FOIA Request for an ESA Phase 1

To whom reading,

I am requesting FOIA review for the following site for Phase I ESA. Please see the attached letter and mapping. The subject property is the one shown in the area of interest (AOI).

If you have any questions, please do not hesitate to contact me. Thank you.

**Jeffrey C. Todd**  
**Environmental Scientist**

**THRASHER**

300 Association Drive

Charleston, WV 25311

P: 304-343-7601

D: 304-326-6105

C: 304-669-6895

F: 304-343-7604

[jtodd@thrashereng.com](mailto:jtodd@thrashereng.com)

[www.thrashereng.com](http://www.thrashereng.com)



This E-mail has been successfully scanned via a Thrasher Group Anti-Spam scanning device

## Jeffrey C. Todd

---

**From:** Balladares, Heather N <Heather.N.Balladares@wv.gov>  
**Sent:** Tuesday, November 12, 2013 1:34 PM  
**To:** Jeffrey C. Todd  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013  
**Attachments:** COC-LUC.pdf; Sub-Title C List September 2013 (09 04).pdf

Jeff-

As discussed the previous leak information I sent you was in error. This site was entered incorrectly in our LUST Database.

The only information I can locate at the 1015 Barlow Drive, Kanawha County, Charleston, West Virginia 25311 is the VRP # 04506.

Attached is the Certificate of Completion and Land Use Covenant for that site as requested. Also attached is the list of all VRP Sites in WV and their status.

For future reference this information can be found at the below link under Public Record of VRP Sites (Subtitle-C List).

<http://www.dep.wv.gov/dlr/oer/voluntarymain/Pages/default.aspx>

---

**From:** Jeffrey C. Todd [mailto:jtodd@thrashereng.com]  
**Sent:** Friday, November 08, 2013 2:28 PM  
**To:** Balladares, Heather N  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013

Heather: Yes I'm able to open the PDF's but think you may have given me a wrong site? The information is for Union Carbide in South Charleston. My FOIA request was for a site on 1015 Barlow Drive in Charleston, Etowah River Terminal LLC.

---

**From:** Balladares, Heather N [mailto:Heather.N.Balladares@wv.gov]  
**Sent:** Friday, November 08, 2013 2:03 PM  
**To:** Jeffrey C. Todd  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013

Please find attached the files associated with Leak 90-062.

Please confirm that you are able to open all files. An invoice will be sent in a separate email.

Thanks,

# Heather N. Balladares

WV Department of Environmental Protection  
Office of Environmental Remediation  
Office Assistant III  
601 57th. Street, SE  
Charleston, WV 25304  
304-926-0499 x 1264  
FAX: 304-926-0457

**PLEASE NOTE:** West Virginia has a very broad public records law. Most written communications to or from State employees or officials regarding state business are public records available to the public and media upon request. Your e-mail communications, therefore, may be subject to public disclosure. **However**, if this e-mail concerns anticipated or current litigation or adversarial administrative proceedings to which the West Virginia Department of Environmental Protection is or would be a party, this e-mail is an attorney-client communication and is, therefore, exempt from the provisions of West Virginia's Freedom of Information Act. See, W.Va. Code § 29B-1-4.

---

**From:** Jeffrey C. Todd [<mailto:jtodd@thrashereng.com>]  
**Sent:** Friday, November 08, 2013 7:41 AM  
**To:** Balladares, Heather N  
**Subject:** Re: 2013-11-027 - Jeffrey Todd - November 6, 2013

Ok then please just scan and email me the document.

---

**From:** Balladares, Heather N [<mailto:Heather.N.Balladares@wv.gov>]  
**Sent:** Thursday, November 07, 2013 03:52 PM  
**To:** Jeffrey C. Todd  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013

We are closed for the holiday.

---

**From:** Jeffrey C. Todd [<mailto:jtodd@thrashereng.com>]  
**Sent:** Thursday, November 07, 2013 3:48 PM  
**To:** Balladares, Heather N  
**Subject:** RE: 2013-11-027 - Jeffrey Todd - November 6, 2013

Heather: Could I come view the file on Monday November 11<sup>th</sup>?

---

**From:** Balladares, Heather N [<mailto:Heather.N.Balladares@wv.gov>]  
**Sent:** Thursday, November 07, 2013 1:30 PM  
**To:** Jeffrey C. Todd  
**Cc:** DEP FOIA  
**Subject:** FW: 2013-11-027 - Jeffrey Todd - November 6, 2013

In response to your FOIA request, the Office of Environmental Remediation has information on the following site: **Leak 90-062**

This file is not yet in electronic format. You can view it in our local office, or it can be scanned for an approximate fee of \$20.

Please call (304) 926-0455 or respond to this e-mail to set up a time and date to review the files or authorize the charges.

The information being provided is from the Office of Environmental Remediation only. Please be advised that there may be files from other DEP offices that are applicable to your request and you may be getting other responses.

## Heather N. Balladares

WV Department of Environmental Protection  
Office of Environmental Remediation  
601 57th. Street, SE  
Charleston, WV 25304  
304-926-0499 x 1264  
FAX: 304-926-0457

**PLEASE NOTE:** West Virginia has a very broad public records law. Most written communications to or from State employees or officials regarding state business are public records available to the public and media upon request. Your e-mail communications, therefore, may be subject to public disclosure. **However**, if this e-mail concerns anticipated or current litigation or adversarial administrative proceedings to which the West Virginia Department of Environmental Protection is or would be a party, this e-mail is an attorney-client communication and is, therefore, exempt from the provisions of West Virginia's Freedom of Information Act. See, W.Va. Code § 29B-1-4.

---

**From:** DEP FOIA

**Sent:** Wednesday, November 06, 2013 11:31 AM

**To:** Ammons, Donna J; Balladares, Heather N; Chandler, Jeanne; Gibson, Jeff S; Kozak, Peggy J; Ombler, Tonya K; White, Joni J

**Subject:** 2013-11-027 - Jeffrey Todd - November 6, 2013

**Re: Freedom of Information Act (FOIA) Request #2013-11-027**

Attached, please find a FOIA from Jeffrey Todd with Thrasher. Please contact the requester at [JTodd@thrashereng.com](mailto:JTodd@thrashereng.com) to let them know whether or not you have the requested information and when they can view/copy/receive it. **Please reference the above FOIA number and respond to [depfoia@wv.gov](mailto:depfoia@wv.gov) with the amount invoiced and your mail code when complete.**

Sarah Alford  
Ext. 1641

---

**From:** Jeffrey C. Todd [<mailto:jtodd@thrashereng.com>]

**Sent:** Wednesday, November 06, 2013 11:04 AM

**To:** DEP FOIA

**Subject:** FOIA Request for an ESA Phase 1

To whom reading,

I am requesting FOIA review for the following site for Phase I ESA. Please see the attached letter and mapping. The subject property is the one shown in the area of interest (AOI).

If you have any questions, please do not hesitate to contact me. Thank you.

**Jeffrey C. Todd**  
**Environmental Scientist**

**THRASHER**  
300 Association Drive  
Charleston, WV 25311  
P: 304-343-7601  
D: 304-326-6105  
C: 304-669-6895  
F: 304-343-7604  
[jtodd@thrashereng.com](mailto:jtodd@thrashereng.com)  
[www.thrashereng.com](http://www.thrashereng.com)



This E-mail has been successfully scanned via a Thrasher Group Anti-Spam scanning device

This E-mail has been successfully scanned via a Thrasher Group Anti-Spam scanning device

This E-mail has been successfully scanned via a Thrasher Group Anti-Spam scanning device

This E-mail has been successfully scanned via a Thrasher Group Anti-Spam scanning device

## Jeffrey C. Todd

---

**From:** Gibson, Jeff S <Jeff.S.Gibson@wv.gov>  
**Sent:** Wednesday, November 06, 2013 3:13 PM  
**To:** Jeffrey C. Todd  
**Cc:** DEP FOIA  
**Subject:** FREEDOM OF INFORMATION ACT REQUEST # 2013-11-027

Jeffrey Todd  
Thrasher Engineering  
Charleston, WV

Mr. Todd,

The record for UST file # 2-002501 – Pennzoil Products – 1015 Barlow Drive, Charleston – has been scanned and could be emailed to you for a fee of \$5.00. After reviewing the file (five pages), I believe there is very little in it that will be of help to you. Let me know if you'd like a copy and I'll email it to you.

Jeffrey S. Gibson  
Inspection Coordinator – SEE Program  
West Virginia Department of Environmental Protection  
Environmental Enforcement – UST Unit  
601 57<sup>th</sup> Street S. E.  
Charleston, WV 25304  
304-926-0499 Ext 1764  
[Jeff.s.gibson@wv.gov](mailto:Jeff.s.gibson@wv.gov)

**Please Note:** West Virginia has a very broad public records law. Most written communications to or from state employees regarding state business are public records available to the public and media upon request. Your e-mail communications, therefore, may be subject to public disclosure. **However**, if this e-mail concerns anticipated or current litigation or adversarial administrative proceedings to which the West Virginia Department of Environmental Protection is or would be a party, this e-mail is an attorney-client communication and is, therefore, exempt from the provisions of West Virginia's Freedom of Information Act. See, W.Va. code § 29B-1-4.



West Virginia Department of Environmental Protection  
Office of Environmental Remediation  
601 57th Street, S.E.  
Charleston, WV 25304  
(304) 926-0455

<b>VRP NO.</b>	04506
<b>SITE NAME</b>	PQS #5117-Etowah
<b>LOCATION</b>	Barlow Road-Charleston

COC / LUC

## LAND USE COVENANT

FORMER PENNZOIL-QUAKER STATE ETOWAH TERMINAL  
1015 BARLOW DRIVE  
CHARLESTON, WEST VIRGINIA  
VRP No. 04506

Pennzoil-Quaker State (PQS, now PQS dba SOPUS Products) entered into a Voluntary Remediation Agreement executed on April 15, 2002 (hereinafter referred to as "the Agreement") with the Department of Environmental Protection for the State of West Virginia pursuant to the Voluntary Remediation and Redevelopment Act, W.Va. Code §§ 22-22-1 through 22-22-21 (hereinafter referred to as "the Act"), for certain property, located at 1015 Barlow Drive in Charleston, Kanawha County, West Virginia and more particularly described in a deed of record (Deed Book 1576, page 141 and 142) in the office of the Clerk of the County Commission of Kanawha County, West Virginia. In the Agreement, the current owner of this property, Etowah River Terminal, LLC, hereinafter referred to as "Owner," has agreed to the imposition of the restrictions on this property, as required by the Agreement (Paragraph 75). The Agreement allows certain levels of contamination to remain on the property and requires a land use covenant be recorded in the office of the Clerk of the Kanawha County Commission for the purposes of protecting public health and the environment and to prevent interference with the performance, operation and maintenance of any remedial actions required by the Agreement.

**NOW THEREFORE**, the following restrictions shall apply to this property:

1. The Owner shall prohibit all activities on the property which may interfere with the remedial action required by the Agreement.
2. The Owner shall prohibit all activities that may result in human exposures above those specified by the Agreement or that would result in the release of a contaminant that was contained as part of the remedial action. These activities include, but are not limited to:

a) Excavation or other penetration of the subsoil below the water table in the yellow shaded area of Figure 1 shall be by a contractor who is qualified and knowledgeable about releases and exposure to contaminants known to exist at the site. The contractor will be required to perform the work in accordance with a site specific Health and Safety Plan developed by an LRS or similarly qualified individual. Alternately, a contractor working under the direct supervision of an LRS, or similarly qualified individual may be used.

The current paved area, including the floors of existing buildings, shall be maintained in a contiguous, unbroken, impermeable condition. If excavated material is found to be contaminated, the removed materials shall be disposed in a proper manner. Following completion of construction, the exposed surface within the area of the former paving, shall be covered with concrete or paving in a similar manner to the pre-construction surface that results in a contiguous, unbroken, impermeable surface.

b) Extraction of groundwater at the site for any potable or non-potable use.

3. The Owner shall restrict the uses of the property to:

Recorded In DEED BK 2618 Pg 804, 12/07/2004 01:13:41 PM Deed Tax 6.00, Recording Fee 6.00, TOTAL 6.00  
Hima V. King, County Clerk, Kanawha County, WV

- a) Commercial and industrial use. The restriction prohibits use of the property for any residential use, including schools, daycare centers, nursing homes, or any other use considered to be residential in nature.
4. The Owner shall provide written notice to the Secretary of the Department of Environmental Protection of the intent to transfer any interest in the property.
  5. The Owner shall not convey any title, easement, or other interest in the property without adequate and complete provision for the continued implementation, operation and maintenance of any remedial action that has been implemented on the property pursuant to the Agreement and without assuring prevention of the releases and exposures described in the provisions of paragraph 2, above.
  6. The Owner shall grant the West Virginia Department of Environmental Protection and its designated representatives the right to enter the property at reasonable times for the purpose of monitoring compliance with the Agreement, and the Certificate of Completion, including the right to take samples, inspect the operation to evaluate the effectiveness of remedial activities, and inspect records all as provided in the Agreement.
  7. The Department of Environmental Protection may enforce the restrictions set forth in this Land Use Covenant by legal action in a court of appropriate jurisdiction.
  8. In accordance with the provisions of the Act regarding land use covenants, W. Va. Code §22-22-15, and in addition to any rights or duties contained in the Certificate of Completion, this Land Use Covenant relieves the applicant, its successors and assigns, the Owner and any subsequent successors and assigns of the Owner, and any person identified in W. Va. Code §22-22-18 from all civil liability to the state as provided under the Act so long as the property complies with the applicable standards identified in the Agreement.
  9. The restrictions and other requirements described in this Land Use Covenant shall run with the land and shall be binding upon any future owners, successors or assigns and their authorized agents, employees or persons acting under their direction or control. Subject to subsequent written modification or release signed by the Secretary and the owner at the time of such modification or release, and filed in the office of the Clerk of the County Commission of the county where these covenants have been recorded, this Land Use Covenant shall continue in perpetuity.
  10. If any provision of this Land Use Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired and in full force and effect.
  11. This Land Use Covenant shall not be amended, modified or terminated except by written instrument executed by and between the Owner at the time of the proposed amendment, modification or termination, and the Secretary of the West Virginia Department of Environmental Protection, or his successor in accordance with regulations promulgated by the Secretary or his successor. Within 5 days of executing an amendment, modification or termination of this Land Use Covenant, the

DEED 2618 886

**Shaw Environmental, Inc.**  
**PQS dba SOPUS Products Tax ID No.: 76-0200625**

Owner shall record such amendment, modification or termination with the Clerk of the Kanawha Commission, and within 5 days thereafter, the Owner shall provide a true copy of the recorded amendment, modification or termination to the Secretary of the Department of Environmental Protection.

IN WITNESS WHEREOF, the said Owner of the above-described property and the Secretary of the Department of Environmental Protection have caused this Land Use Covenant to be executed this 1<sup>st</sup> day of December, 2004.

SIGNED:

[Signature]  
Property Owner

[Signature] Director  
Secretary, Department of Environmental Protection

I, Patricia VanWey, a Notary Public in and for the State and County aforesaid, do hereby certify that Denny Ferrell, whose name is signed to the writing above, bearing date the 17<sup>th</sup> day of November, 2004, has this day acknowledged same to be his true act and deed.

Given under my hand this the 17<sup>th</sup> day of November, 2004.

My commission expires May 23, 2011

Patricia VanWey  
Notary Public



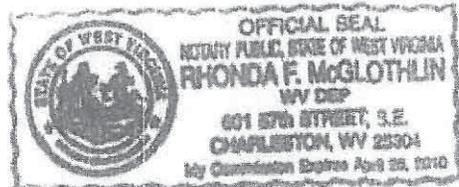
I, Rhonda F. McGlothlin, a Notary Public in and for the State and County aforesaid, do hereby certify that Ken Ellison, whose name is signed to the writing above, bearing date the 7<sup>th</sup> day of December, 2004, has this day acknowledged same to be his true act and deed.

Given under my hand this the 7<sup>th</sup> day of December, 2004.

My commission expires April 26, 2010

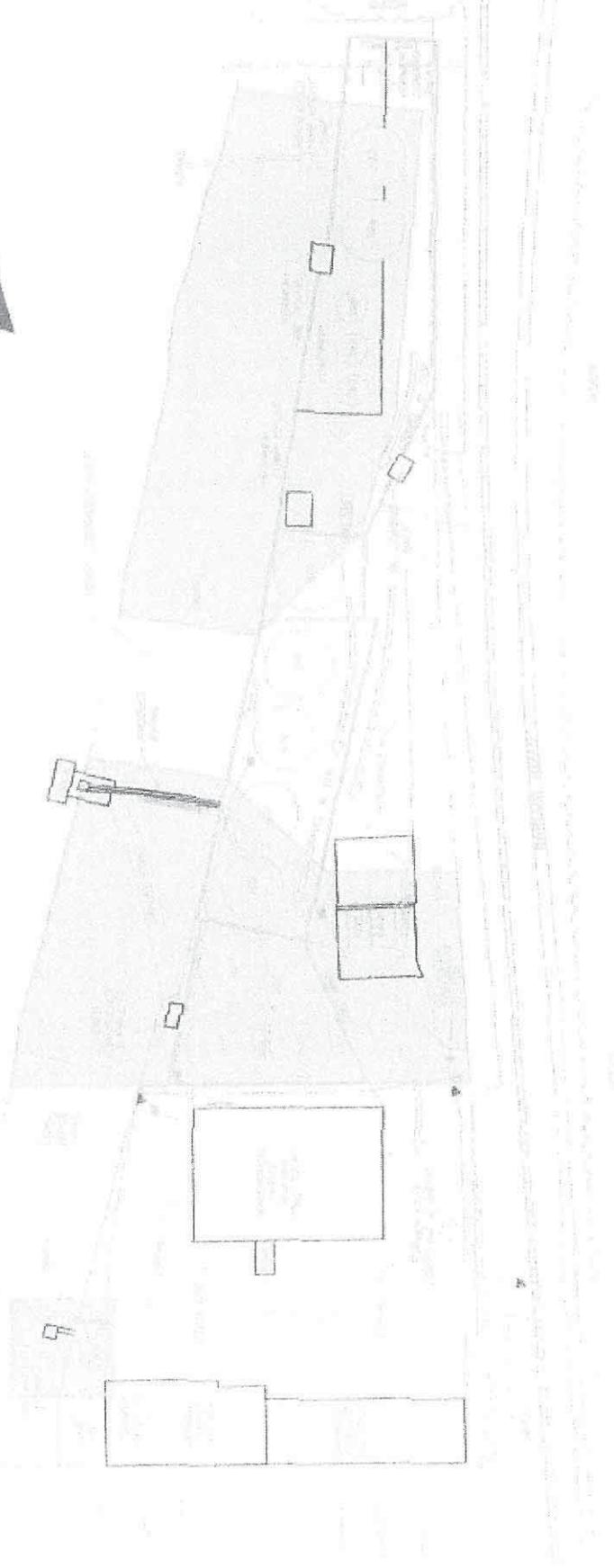
Rhonda F. McGlothlin  
Notary Public

It is requested that a true and executed copy of the recorded deed with this attached Land Use Covenant be forwarded to the Secretary of the West Virginia Department of Environmental Protection.



D:\Spec-Office - CAD Files\Fosa\845335\845335A1.dwg  
 Plot Date/Time: 11/17/04 03:18pm  
 Plotted by: drh/asm

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	11/17/04	--	A. Smith	C. Reperston	--	845335-A1



**LEGEND:**

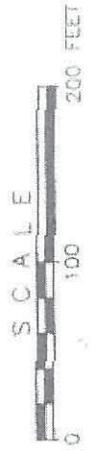
	RAILROAD TRACKS
	NATURAL GAS PIPELINE
	FENCE LINE
	STORM SEWER
	DRAW
	AREA REQUIRING PROCEDURES SPECIFIED IN THE LAND-USE COVENANT FOR EXCAVATION OR PENETRATION BELOW THE WATER TABLE



POB dba SOFUS PRODUCTS

FIGURE 1

SITE PLAN  
 FORMER POS ETOWAH TERMINAL  
 1075 BARLOW DRIVE  
 CHARLESTON, WEST VIRGINIA



## LAND USE COVENANT

FORMER PENNZOIL-QUAKER STATE ETOWAH TERMINAL  
1015 BARLOW DRIVE  
CHARLESTON, WEST VIRGINIA  
VRP No. 04506

Pennzoil-Quaker State (PQS, now PQS dba SOPUS Products) entered into a Voluntary Remediation Agreement executed on April 15, 2002 (hereinafter referred to as "the Agreement") with the Department of Environmental Protection for the State of West Virginia pursuant to the Voluntary Remediation and Redevelopment Act, W.Va. Code §§ 22-22-1 through 22-22-21 (hereinafter referred to as "the Act"), for certain property, located at 1015 Barlow Drive in Charleston, Kanawha County, West Virginia and more particularly described in a deed of record (Deed Book 1576, page 141 and 142) in the office of the Clerk of the County Commission of Kanawha County, West Virginia. In the Agreement, the current owner of this property, Etowah River Terminal, LLC, hereinafter referred to as "Owner," has agreed to the imposition of the restrictions on this property, as required by the Agreement (Paragraph 75). The Agreement allows certain levels of contamination to remain on the property and requires a land use covenant be recorded in the office of the Clerk of the Kanawha County Commission for the purposes of protecting public health and the environment and to prevent interference with the performance, operation and maintenance of any remedial actions required by the Agreement.

**NOW THEREFORE**, the following restrictions shall apply to this property:

1. The Owner shall prohibit all activities on the property which may interfere with the remedial action required by the Agreement.
2. The Owner shall prohibit all activities that may result in human exposures above those specified by the Agreement or that would result in the release of a contaminant that was contained as part of the remedial action. These activities include, but are not limited to:
  - a) Excavation or other penetration of the subsoil below the water table in the yellow shaded area of Figure 1 shall be by a contractor who is qualified and knowledgeable about releases and exposure to contaminants known to exist at the site. The contractor will be required to perform the work in accordance with a site specific Health and Safety Plan developed by an LRS or similarly qualified individual. Alternately, a contractor working under the direct supervision of an LRS, or similarly qualified individual may be used.

The current paved area, including the floors of existing buildings, shall be maintained in a contiguous, unbroken, impermeable condition. If excavated material is found to be contaminated, the removed materials shall be disposed in a proper manner. Following completion of construction, the exposed surface within the area of the former paving, shall be covered with concrete or paving in a similar manner to the pre-construction surface that results in a contiguous, unbroken, impermeable surface.

- b) Extraction of groundwater at the site for any potable or non-potable use.
3. The Owner shall restrict the uses of the property to:

- a) Commercial and industrial use. The restriction prohibits use of the property for any residential use, including schools, daycare centers, nursing homes, or any other use considered to be residential in nature.
4. The Owner shall provide written notice to the Secretary of the Department of Environmental Protection of the intent to transfer any interest in the property.
  5. The Owner shall not convey any title, easement, or other interest in the property without adequate and complete provision for the continued implementation, operation and maintenance of any remedial action that has been implemented on the property pursuant to the Agreement and without assuring prevention of the releases and exposures described in the provisions of paragraph 2, above.
  6. The Owner shall grant the West Virginia Department of Environmental Protection and its designated representatives the right to enter the property at reasonable times for the purpose of monitoring compliance with the Agreement, and the Certificate of Completion, including the right to take samples, inspect the operation to evaluate the effectiveness of remedial activities, and inspect records all as provided in the Agreement.
  7. The Department of Environmental Protection may enforce the restrictions set forth in this Land Use Covenant by legal action in a court of appropriate jurisdiction.
  8. In accordance with the provisions of the Act regarding land use covenants, W. Va. Code §22-22-15, and in addition to any rights or duties contained in the Certificate of Completion, this Land Use Covenant relieves the applicant, its successors and assigns, the Owner and any subsequent successors and assigns of the Owner, and any person identified in W. Va. Code §22-22-18 from all civil liability to the state as provided under the Act so long as the property complies with the applicable standards identified in the Agreement.
  9. The restrictions and other requirements described in this Land Use Covenant shall run with the land and shall be binding upon any future owners, successors or assigns and their authorized agents, employees or persons acting under their direction or control. Subject to subsequent written modification or release signed by the Secretary and the owner at the time of such modification or release, and filed in the office of the Clerk of the County Commission of the county where these covenants have been recorded, this Land Use Covenant shall continue in perpetuity.
  10. If any provision of this Land Use Covenant is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired and in full force and effect.
  11. This Land Use Covenant shall not be amended, modified or terminated except by written instrument executed by and between the Owner at the time of the proposed amendment, modification or termination, and the Secretary of the West Virginia Department of Environmental Protection, or his successor in accordance with regulations promulgated by the Secretary or his successor. Within 5 days of executing an amendment, modification or termination of this Land Use Covenant, the

Owner shall record such amendment, modification or termination with the Clerk of the Kanawha Commission, and within 5 days thereafter, the Owner shall provide a true copy of the recorded amendment, modification or termination to the Secretary of the Department of Environmental Protection.

IN WITNESS WHEREOF, the said Owner of the above-described property and the Secretary of the Department of Environmental Protection have caused this Land Use Covenant to be executed this 7<sup>th</sup> day of December, 2004.

SIGNED:

[Signature]  
Property Owner

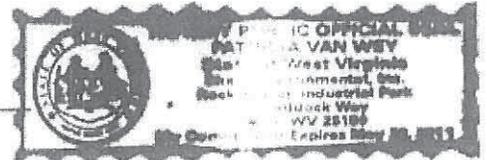
[Signature] Director  
Secretary, Department of Environmental Protection

I, Patricia VanWey, a Notary Public in and for the State and County aforesaid, do hereby certify that Danny Ferrell, whose name is signed to the writing above, bearing date the 17<sup>th</sup> day of November, 2004, has this day acknowledged same to be his true act and deed.

Given under my hand this the 17<sup>th</sup> day of November, 2004.

My commission expires May 23, 2011

Patricia VanWey  
Notary Public



I, Rhonda F. McGlothlin, a Notary Public in and for the State and County aforesaid, do hereby certify that Ken Ellison whose name is signed to the writing above, bearing date the 7<sup>th</sup> day of December, 2004, has this day acknowledged same to be his true act and deed.

Given under my hand this the 7<sup>th</sup> day of December, 2004.

My commission expires April 26, 2010

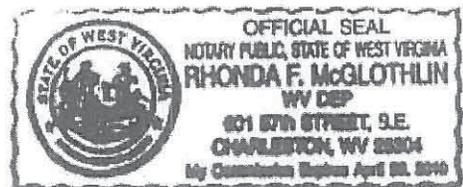
Rhonda F. McGlothlin  
Notary Public

It is requested that a true and executed copy of the recorded deed with this attached Land Use Covenant be forwarded to the Secretary of the West Virginia Department of Environmental Protection.

This instrument was presented to the Clerk of the County Commission of Kanawha County, West Virginia, on and the same is admitted to record.

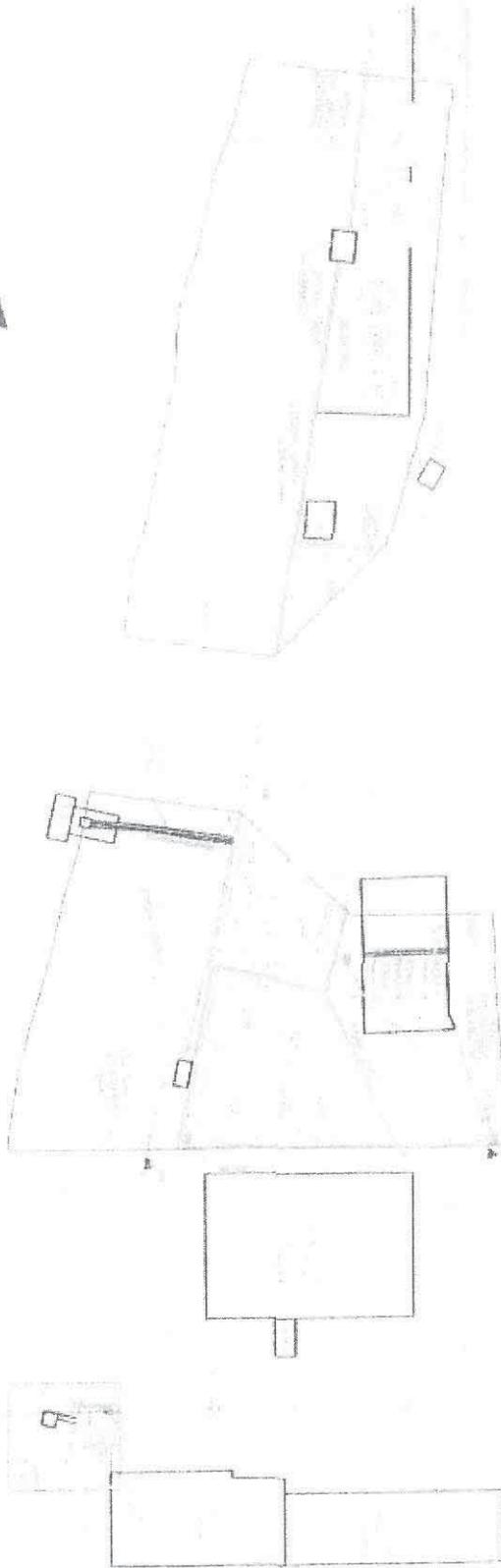
DEC 07 2004

Teste: [Signature] Clerk  
Kanawha County Commission



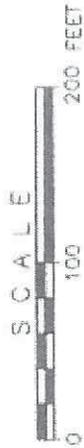
D:\Shaw Offices - CAD Files\Pods\845335\845335A1.dwg  
 Plot Date/Time: 11/17/04 03:18pm  
 Plotted by: awh-smith

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	11/17/04		A. Smith	E. Robertson		845335-A1



**LEGEND**

- RAILROAD TRACKS
- NATURAL GAS PIPELINE
- FENCE LINE
- STORM SEWER DRAIN
- AREA REQUIRING PROCEDURES SPECIFIED IN THE LAND-USE COVENANT FOR EXCAVATION OR PENETRATION BELOW THE WATER TABLE



PQS dba SOPUS PRODUCTS

FIGURE 1

SITE PLAN  
 FORMER PQS ETOWAH TERMINAL  
 1015 EARLOW DRIVE  
 CHARLESTON, WEST VIRGINIA



## APPENDIX 60-4C

### STATE OF WEST VIRGINIA VOLUNTARY REMEDIATION PROGRAM CERTIFICATE OF COMPLETION AND COVENANT

Pennzoil-Quaker State (PQS, now PQS dba SOPUS Products) entered into a Voluntary Remediation Agreement with the Secretary of the Department of Environmental Protection, dated January 3, 2002 ("Agreement") and the four modifications dated September 23, 2002, March 4, 2003, November 20, 2003 and April 12, 2004. The Agreement was entered into to address the release of any contaminants at Former Etowah Terminal ("Site") located at 1015 Barlow Drive, in Elk District, Kanawha County, West Virginia. The following documents are incorporated as a part of this Certificate and Covenant:

- The application dated November 2001 and the site assessment(s) submitted with the application;
- The Agreement dated January 3, 2002;
- A Site map (**Exhibit A, Figure 1**);
- A list of the chemicals-of-concern for which the remediation standards specified in the Agreement have been met (**Exhibit B**);
- The Baseline/Residual Human Health and Ecological Risk Assessment submitted for the site dated November 2004, revised;
- The final report submitted for the site dated December 2004, issued by a licensed remediation specialist;
- A description of any institutional or engineering controls that were used to achieve a remediation standard (**Exhibit C**);
- The land use covenant that is to be recorded for this site (**Exhibit D**).

This Certificate of Completion is issued pursuant to W.Va. Code §22-22-13 to PQS dba SOPUS Products in recognition of the completion of the work required under the Agreement.

Pursuant to W.Va. Code §§22-22-7(f), 22-22-13, 22-22-14, and 22-22-18, the Secretary of the West Virginia Department of Environmental Protection (hereinafter, "WVDEP"), **in the name of and** on behalf of the State of West Virginia, now covenants not to bring any civil, criminal or administrative action or claim, resulting from or based upon the release or threatened release of

contaminants that were the subject of the Voluntary Remediation Agreement. This covenant shall bar actions against POS dba SOPUS Products, PQS dba SOPUS Products' successors and assigns, and those persons identified in W. Va. Code §22-22-18, from all public and private claims arising under Chapter 22 of the West Virginia Code or rules adopted thereunder in connection with the release or threatened release that was the subject of the Voluntary Remediation Agreement. *This covenant shall not apply to PQS dba SOPUS Products' predecessors in title.*

### CONDITIONS

This Certificate and the covenant it contains are subject to the terms and conditions set forth below:

1. The following conditions, contained in W. Va. Code §22-22-15, which may cause the Voluntary Remediation Agreement to be reopened:
  - a) fraud was committed in demonstrating attainment of a standard at the site that resulted in avoiding the need for further remediation of the site;
  - b) new information confirms the existence of an area of previously unknown contamination which contains contaminants that have been shown to exceed the standards applied to the previous remediation at the site;
  - c) the level of risk is increased significantly beyond the established level of protection at the site due to substantial changes in exposure conditions, such as, a change in land use, or new information is obtained about a contaminant associated with the site which revises exposure assumptions beyond the acceptable range. This condition applies only where the level of risk is increased by a factor of at least five or the hazard index exceeds 1, or 10 where multiple systemic toxicants do not affect the same organ;
  - d) the release occurred after the effective date of this Article on a site not used for industrial activity prior to the effective date of this Article; the remedy relied, in whole or in part, upon institutional or engineering controls instead of treatment or removal of contamination; and treatment, removal or destruction has become technically and economically practicable; or
  - e) the remediation method failed to meet the remediation standard or combination of standards.

For purposes of this paragraph, "new information" means any information obtained directly or indirectly by the WVDEP from any person after issuance of a Certificate of Completion, but does not include information the WVDEP has received in the application for participation

in the voluntary remediation program, including any site assessment, during the execution of the voluntary remediation agreement or any work plan developed under such an agreement or other information available to the WVDEP under the voluntary remediation program prior to the execution of the Certificate of Completion. Information that does not qualify as new information may be considered by the Secretary along with new information if necessary, to determine whether any of the conditions for reopening set out in section 16 of this rule, have occurred.

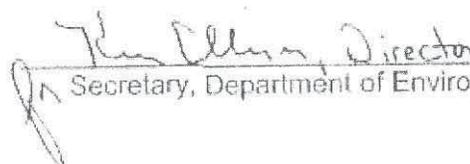
Where one of the foregoing conditions is found to exist for a portion but not all of the site, this certificate and covenant shall continue to apply to all portions of the site that were unaffected by the occurrence of that condition.

2. To the extent that the Agreement or any of the documents referenced in this certificate impose obligations that continue after the execution of this certificate, there shall be continued compliance with such obligations.

3. This certificate and covenant do not preclude the State of West Virginia from taking any unilateral action at the site, under any existing or future statutory authority, to protect human health and the environment; provided however, in no event shall the State have a right of recovery against PQS dba SOPUS Products or any other person to whom the covenant herein applies to the extent that such right of recovery arises under Chapter 22 of the West Virginia Code, and relates to matters covered by the Agreement.

4. This certificate and covenant do not preclude the State from seeking recovery of such sums as the PQS dba SOPUS Products has agreed to pay the WVDEP under the Agreement.

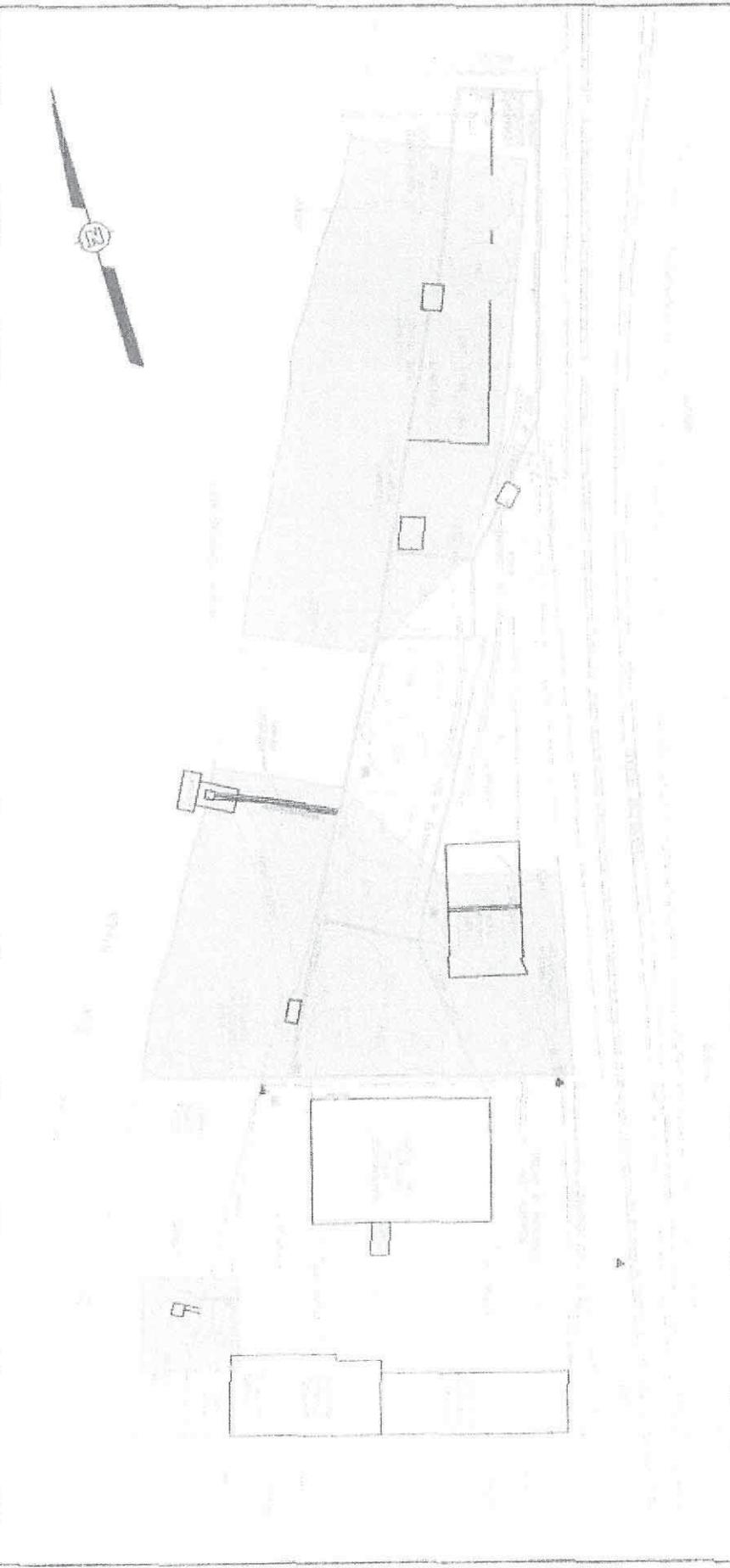
**WHEREFORE**, the Secretary of the Department of Environmental Protection, on behalf of the State of West Virginia, issues this certificate and covenant, with all aforementioned privileges, responsibilities, conditions and reservations, this date of December 1, 2011 to PQS dba SOPUS Products.

  
\_\_\_\_\_  
Secretary, Department of Environmental Protection

**EXHIBIT A**

**FIGURE 1  
SITE PLAN**

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	11/17/04		A. Smith	G. Robertson		845335-A1



**LEGEND:**

[Symbol]	RAILROAD TRACKS
[Symbol]	NATURAL GAS PIPELINE
[Symbol]	FENCE LINE
[Symbol]	STORM SEWER
[Symbol]	DRAIN
[Symbol]	AREA REQUIRING PROCEDURES SPECIFIED IN THE LAND-USE COVENANT FOR EXCAVATION OR PENETRATION BELOW THE WATER TABLE



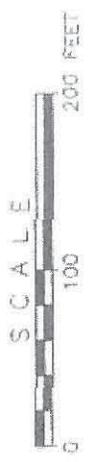
**Shaw**  
Environmental, Inc.

PCS dba SOPUS PRODUCTS

**FIGURE 1**

**SITE PLAN**

FORMER POS ETOWAH TERMINAL  
1075 BARLOW DRIVE  
CHARLESTON, WEST VIRGINIA



## **EXHIBIT B**

### **CONTAMINANTS OF CONCERN FOR WHICH REMEDATION STANDARDS HAVE BEEN MET**

**FORMER PENNZOIL-QUAKER STATE ETOWAH TERMINAL  
1015 BARLOW DRIVE  
CHARLESTON, WEST VIRGINIA**

Table 3 lists contaminant(s) of concern for which remediation standards specified in the Voluntary Remediation Agreement have been met at the Former Pennzoil-Quaker State Etowah Terminal, 1015 Barlow Drive, Charleston, West Virginia

Table 3  
 Chemicals of Concern (Standards Have Been Met)  
 Former PQS Etowah Terminal  
 1015 Barlow Drive  
 Charleston, West Virginia

Parameter	CAS Number	Table 60-3B De Minimis (mg/L)	Analysis	SW 846 Method	Matrix
Benzene	71-43-2	0.005	VOCs Solvents	8260B (10mL Purge when solvents are included)	Soil and Water
Toluene	108-88-3	1			
Ethylbenzene	100-41-4	1.3			
Xylenes	1330-20-7	10			
Methyl tertiary butyl ether	none	0.020 (b)			
Acetone	67641	0.61			
n-Butanol (1-Butanol)	71-36-3	3.7			
Carbon disulfide	75150	1			
Carbon tetrachloride	56235	0.005			
Chlorobenzene	108907	0.11			
Cyclohexanone	108941	180,000			
1,2-Dichlorobenzene	95501	0.6			
Isobutanol	78831	1.8			
1,1,2-Trichloroethane	79005	0.005			
Trichloroethene	79016	0.005			
Methylene chloride	75-82	0.005			
Methyl ethyl ketone (MEK)	78933	1.9			
Methyl isobutyl ketone (MIBK)	108101	0.16			
Tetrachloroethene	127184	0.005			
1,1,1-Trichloroethane (TCA)	71556	0.54			
Trichlorofluoromethane	75694	1.3			
o-Cresol (2-Methylphenol)	95487	1.8	VOCs Solvents and PAH	8270C SIMS	
m-Cresol (3-Methylphenol)	108394	1.8			
p-Cresol (4-Methylphenol)	106445	0.18			
Pyridine	110861	0.037			
Nitrobenzene	98953	0.0034			
Acenaphthene	83-32-9	0.37			
Anthracene	120-12-7	1.8			
Benzo(a)anthracene	56-55-3	0.000091			
Benzo(a)pyrene	50328	0.0002			
Benzo(b)fluoranthene	205992	0.000091			
Benzo(k)fluoranthene	207089	0.00091			
Chrysene	218-01-9	0.0091			
Dibenzo(a,h)anthracene	53703	0.000001			

Table 3 (Continued)  
Chemicals of Concern (Standards Have Been Met)  
Former PQS Etowah Terminal  
1015 Barlow Drive  
Charleston, West Virginia

Parameter	CAS Number	Table 60-3B De Minimis (mg/L)	Analysis	SW 846 Method	Matrix
Fluoranthene	206-44-0	1.5	Solvents and PAH (Continued)	8270C SIMS	Soil and Water
Fluorene	86-73-7	0.24			
Indeno(1,2,3-cd)pyrene	193395	0.000091			
Naphthalene	91-20-3	0.0062			
Pyrene	129-00-0	0.18			
2-Ethoxyethanol	110805	15	TPH	8015B	
Ethylene glycol	107211	73			
Methanol	67561	19			
Diesel range organics C <sub>10</sub> -C <sub>28</sub>	none	0.33 (b)			
Oil range organics C <sub>29</sub> -C <sub>35</sub>	none	0.16 (b)			
Gasoline range organics C <sub>6</sub> -C <sub>10</sub>	900-61-9	1.5 (b)	Inorganics	6010B 6010B 6010B 7196A	
Cadmium	7440439	0.018			
Chromium III	16065831	55			
Lead	7439-82-1	0.015			
Chromium VI	18540299	0.11			

## EXHIBIT C

### DESCRIPTION OF INSTITUTIONAL AND ENGINEERING CONTROLS

#### FORMER PENNZOIL-QUAKER STATE ETOWAH TERMINAL 1015 BARLOW DRIVE CHARLESTON, WEST VIRGINIA

The property Owner filed a Land Use Covenant (LUC) which establishes restrictions on the current and future use of this property as follows:

- 1) The Owner shall restrict the uses of the property to commercial and industrial use. This restriction prohibits use of the property for any residential use, including schools, daycare centers, nursing homes or other residential-style facilities or recreational areas.
- 2) The Owner shall prohibit all activities on the property that may interfere with the remedial action required by the Agreement.
- 3) The Owner shall prohibit all activities that may result in human exposures above those specified by the Agreement or that would result in the release of a contaminant that was contained as part of the remedial action. These prohibited activities include, but are not limited to:
  - a) Excavation, drilling or penetration of the current paved area below a depth of two feet from ground surface within the shaded/cross-hatched area as shown on **Exhibit A, Figure 1** unless the excavation operations and activities are either; 1) performed by a qualified and knowledgeable contractor that is aware of the potential to release the contaminant and the resultant risk of exposure to human health and/or ecological receptors, is capable of on-site evaluation of excavated material, and who performs the work in accordance with a site specific Health and Safety Plan developed by an Licensed Remediation Specialist (LRS) or similarly qualified individual or 2) a contractor working under the supervision of a LRS, or 3) a similarly qualified individual or organization.
  - b) Except as allowed in 3.a above, the current paved area, including floors of the existing building, shall be maintained in a contiguous, unbroken, impermeable, condition such that they perform as engineering controls. If excavated material is found to be contaminated, the removed materials shall be disposed in accordance with local, state and federal regulations. Following completion of construction/excavation activities, the exposed ground surface within the area of former paving shall be covered/replaced with concrete or paving in a similar manner to the pre-construction surface that results in a contiguous, unbroken, impermeable, surface such that the new surface performs as an engineering control.
  - c) Extraction of groundwater at the site for any potable use. Extraction of groundwater for non-potable uses without appropriate treatment and approval by the WVDEP-OER, Office of Environmental Remediation

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Facility: ETOWAH RIVER TERMINAL  
 Address: 1015 BARLOW DRIVE CHARLESTON, WV 25301

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
1a. Is the <i>property</i> used for industrial use?	X			X			
1b. Is any <i>adjoining property</i> used for an industrial use?		X			X		BOUNDED BY RIVER, ROAD WOODS & RESIDENCE
2a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used for an industrial use in the past?	X			X			
2b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used for an industrial use in the past?		X			X		
3a. Is the <i>property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X			X		
3b. Is any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X			X		
4a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	X				X		FORMERLY A PENNYCIC BULK STORAGE FACILITY
4b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining</i>							

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX: 304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X			X		
5a. Are there currently any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X			X			THIS IS A CHEMICAL BLENDING AND BRICK STORAGE FACILITY AND WAREHOUSE
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X			X			
6a. Are there currently any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?	X			X			
6a. Did you observe evidence or do you have any prior knowledge that there have been previously any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?	X			X			
7a. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that originated from a contaminated site?		X			X		

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that is of an unknown origin?		X			X		
8a. Are there currently any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?		X			X		
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?		X			X		
9a. Is there currently any stained soil on the <i>property</i> ?	X			X			within dike
9b. Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the <i>property</i> ?	X			X			
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X			X			
10b. Did you observe evidence or do you have any prior knowledge that there has been previously any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X			X			
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?		X		X			at oil/water separator
11b. Did you observe evidence or do you have any prior knowledge that there has been previously any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?		X		X			

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
12a. Is there currently evidence of leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?				X			minimal staining in garage and within dike area
12b. Did you observe evidence or do you have any prior knowledge that there has been previously any leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?	X			X			PENNZCIL ENTERED INTO A REMEDIATION AGREEMENT WITH DEP
13a. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?					X		N/A
13b. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?					X		N/A
14. Does the owner or occupant of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?							SEE 12(a)
15a. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances or petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?				X			SEE 12(b)
15b. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances or petroleum</i>					X		SEE 12(b)

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?							
15c. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?							SEE 12 (b)
15d. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?		X			X		
16. Does the <i>owner or occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances or petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?				X			SEE 12 (b)
17. Does the <i>owner or occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the <i>property</i> by any <i>owner or occupant</i> of the <i>property</i> ?				X			SEE 12 (b)
18a. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a storm water system?		X			X		
18b. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a sanitary sewer system?		X			X		
19. Did you observe evidence or do you have any prior knowledge any <i>hazardous</i>							

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner</del> Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?</i>					X		SEE 12(b)
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of Polychlorinated Biphenyls (PCBs)?		X			X		

Unk<sup>1</sup> = Unknown

[Questionnaire obtained from ASTM E-1528-06]

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

### GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY

(See guide, Section 10 ASTM E-1528-06)

21. Do any of the following federal, state, or tribal government record systems list the *property* or any *property* within the search distance noted below (where available):

	Approximate Minimum Search Distance, miles (kilometers)	
Federal NPL site list	1.0 (1.6)	G Yes <input checked="" type="radio"/> No
Federal Delisted NPL site list	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
Federal CERCLIS list	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
Federal CERCLIS NFRAP sitelist	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
Federal RCRA CORRACTS facilities list	1.0 (1.6)	G Yes <input checked="" type="radio"/> No
Federal RCRA non-CORRACTS TSD Facilities list	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
Federal RCRA generators list	property and adjoining properties	<input checked="" type="radio"/> Yes <input type="radio"/> No
Federal institutional control/engineering control registries	property only	G Yes <input checked="" type="radio"/> No
Federal ERNS list	property only	<input checked="" type="radio"/> Yes <input type="radio"/> No
State and tribal lists of hazardous waste sites identified for investigation or remediation:		
State and tribal-equivalent NPL	1.0 (1.6)	G Yes <input checked="" type="radio"/> No
State and tribal-equivalent CERCLIS	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
State and tribal landfill and/or solid waste disposal site lists	0.5 (0.8)	G Yes <input checked="" type="radio"/> No
State and tribal leaking storage tank lists	0.5 (0.8)	G Yes <input type="radio"/> No
State and tribal registered storage tank lists	property and adjoining properties	<input checked="" type="radio"/> Yes <input type="radio"/> No
State and tribal institutional control engineering control registries	property only	<input checked="" type="radio"/> Yes <input type="radio"/> No
State and tribal voluntary cleanup sites	0.5 (0.8)	<input checked="" type="radio"/> Yes <input type="radio"/> No
State and tribal Brownfield sites	0.5 (0.8)	G Yes <input checked="" type="radio"/> No

23. Based upon a review of *fire insurance maps* (10.2.3) or local street directories (10.2.3), all as specified in the guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?
- G Yes       G No      G Unavailable

Result: \_\_\_\_\_

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

The ~~Owner~~ Occupant questionnaire was completed by:

Name: GARY SOUTHERN TERRY CLINE  
Title: CFO  
Firm: ETOWAH RIVER TERMINAL  
Address: 1015 BARLOW DR  
CHARLESTON, WV 25301  
Phone No.: (304) 720-8065  
Date: 11/6/13  
Role(s) at the site: CFO  
Number of years at the site: 11 YEARS  
Relationship to the user (for example, principal, employee, agent, consultant):  
EMPLOYEE / OFFICER

The *Site Visit* questionnaire was completed by:

Name: Jeffrey Todd  
Title: Environmental Scientist  
Firm: Thrasher Group Inc.  
Address: 300 Association Drive  
Charleston, WV 25311  
Phone No.: (304) 343-7600  
Date: 11/6/13  
Role(s) at the site: ESA Phase I investigation  
Number of years at the site: N/A  
Relationship to the user (for example, principal, employee, agent, consultant):  
Consultant

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

The Government Records and Historical Sources Inquiry questionnaire was completed by:

Name: Jeffrey Todd  
Title: Environmental Scientist  
Firm: Thrasher Group Inc.  
Address: 300 Association Drive  
Charleston, WV 25311  
Phone No.: (304) 343-2601  
Date: 11/11/13  
Role(s) at the site: ESA Phase I investigation  
Number of years at the site: N/A  
Relationship to the user (for example, principal, employee, agent, consultant):  
Consultant

If the preparer(s) is different from the user, complete the following:

Name of User: \_\_\_\_\_  
User's Address: \_\_\_\_\_  
\_\_\_\_\_  
User's Phone No.: \_\_\_\_\_  
Date: \_\_\_\_\_

Copies of the completed questionnaires have been filed at: \_\_\_\_\_

Copies of the completed questionnaires have been mailed or delivered to: \_\_\_\_\_

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

Terry H. Chy  
Signature

11/6/13  
Date

Jeffrey Todd  
Signature

11/11/13  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

It is the user's responsibility to draw conclusions regarding affirmative or unknown answers.

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Facility: Etowh River Terminal  
 Address: 1015 Barlow Drive, Charleston, WV 25301

Question	Third Party Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
1a. Is the <i>property</i> used for industrial use?	X						
1b. Is any <i>adjoining property</i> used for an industrial use?		X					
2a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used for an industrial use in the past?	X						
2b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used for an industrial use in the past?		X					
3a. Is the <i>property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X					
3b. Is any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X					
4a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	X						
4b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining</i>		X					

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Third Party Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X					
5a. Are there currently any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X						
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X						
6a. Are there currently any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?	X						
6a. Did you observe evidence or do you have any prior knowledge that there have been previously any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?	X						
7a. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that originated from a contaminated site?		X					

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Third Party Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that is of an unknown origin?		X					
8a. Are there currently any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?		X					
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?		X					
9a. Is there currently any stained soil on the <i>property</i> ?		X	X				
9b. Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the <i>property</i> ?		X	X				
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X						
10b. Did you observe evidence or do you have any prior knowledge that there has been previously any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X						
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?		X	X				
11b. Did you observe evidence or do you have any prior knowledge that there has been previously any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?		X	X				

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Third Party Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
12a. Is there currently evidence of leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?			X				
12b. Did you observe evidence or do you have any prior knowledge that there has been previously any leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?			X				
13a. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?		X					
13b. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?		X					
14. Does the owner or occupant of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
15a. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances or petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	X						
15b. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances or petroleum</i>	X						

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	<del>Owner/Occupant</del> <i>Third Party</i>			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>products with respect to the property or any facility located on the property?</i>							
15c. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
15d. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
16. Does the <i>owner or occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?			X				
17. Does the <i>owner or occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the <i>property</i> by any <i>owner or occupant</i> of the <i>property</i> ?			X				
18a. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a storm water system?		X	X				
18b. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a sanitary sewer system?		X	X				
19. Did you observe evidence or do you have any prior knowledge any <i>hazardous</i>							

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Third Party Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?</i>		X	X				
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of Polychlorinated Biphenyls (PCBs)?		X	X				

Unk<sup>1</sup> = Unknown

[Questionnaire obtained from ASTM E-1528-06]

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

### GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY

(See guide, Section 10 ASTM E-1528-06)

21. Do any of the following federal, state, or tribal government record systems list the *property* or any *property* within the search distance noted below (where available):

Approximate Minimum Search Distance,  
miles (kilometers)

Federal NPL site list	1.0 (1.6)	G Yes	G No
Federal Delisted NPL site list	0.5 (0.8)	G Yes	G No
Federal CERCLIS list	0.5 (0.8)	G Yes	G No
Federal CERCLIS NFRAP sitelist	0.5 (0.8)	G Yes	G No
Federal RCRA CORRACTS facilities list	1.0 (1.6)	G Yes	G No
Federal RCRA non-CORRACTS TSD Facilities list	0.5 (0.8)	G Yes	G No
Federal RCRA generators list	property and adjoining properties	G Yes	G No
Federal institutional control/engineering control registries	property only	G Yes	G No
Federal ERNS list	property only	G Yes	G No
State and tribal lists of hazardous waste sites identified for investigation or remediation:			
State and tribal-equivalent NPL	1.0 (1.6)	G Yes	G No
State and tribal-equivalent CERCLIS	0.5 (0.8)	G Yes	G No
State and tribal landfill and/or solid waste disposal site lists	0.5 (0.8)	G Yes	G No
State and tribal leaking storage tank lists	0.5 (0.8)	G Yes	G No
State and tribal registered storage tank lists	property and adjoining properties	G Yes	G No
State and tribal institutional control engineering control registries	property only	G Yes	G No
State and tribal voluntary cleanup sites	0.5 (0.8)	G Yes	G No
State and tribal Brownfield sites	0.5 (0.8)	G Yes	G No

23. Based upon a review of *fire insurance maps* (10.2.3) or local street directories (10.2.3), all as specified in the guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?

G Yes      G No      G Unavailable

Result: \_\_\_\_\_

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

The *Owner/Occupant* questionnaire was completed by:

Via Telephone

Name: David Wagoner  
Title: Fire Chief  
Firm: Pinch VFD  
Address: 231 W Pinch Road  
Elkview, WV 25071  
Phone No.: (304) 965-1657  
Date: 11/14/13  
Role(s) at the site: \_\_\_\_\_  
Number of years at the site: N/A  
Relationship to the user (for example, principal, employee, agent, consultant):  
Third Party

The *Site Visit* questionnaire was completed by:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Firm: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Date: \_\_\_\_\_  
Role(s) at the site: \_\_\_\_\_  
Number of years at the site: \_\_\_\_\_  
Relationship to the user (for example, principal, employee, agent, consultant):  
\_\_\_\_\_

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Facility: ETOWAH RIVER TERMINAL

Address: \_\_\_\_\_

Question	Future Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
1a. Is the <i>property</i> used for industrial use?	X						
1b. Is any <i>adjoining property</i> used for an industrial use?			X				
2a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used for an industrial use in the past?	X						
2b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used for an industrial use in the past?			X				
3a. Is the <i>property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?		X					
3b. Is any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?			X				
4a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	X						Was used by Penzoil as a Retrolam Storage Facility.
4b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining</i>			X				

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?			X				
5a. Are there currently any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X						
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	X						
6a. Are there currently any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?			X				
6a. Did you observe evidence or do you have any prior knowledge that there have been previously any <i>industrial drums</i> [typically 55 gallons (208 Liters)] or sacks of chemicals located on the <i>property</i> or at the facility?			X				
7a. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that originated from a contaminated site?		X					

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that is of an unknown origin?		X	U				
8a. Are there currently any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?			X				
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any <i>pits, ponds, or lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?		X	U				
9a. Is there currently any stained soil on the <i>property</i> ?			X				
9b. Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the <i>property</i> ?		X					
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X		U				
10b. Did you observe evidence or do you have any prior knowledge that there has been previously any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	X						
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?			X				
11b. Did you observe evidence or do you have any prior knowledge that there has been previously any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?		X					

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>d</sup>	Yes	No	Unk <sup>d</sup>	
12a. Is there currently evidence of leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?			X				
12b. Did you observe evidence or do you have any prior knowledge that there has been previously any leaks, spills or staining by substances, other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?		X					
13a. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?			X				
13b. If the <i>property</i> is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?		X					
14. Does the owner or occupant of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
15a. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances or petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	X						
15b. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances or petroleum</i>			X				

# THRASHER

600 White Oaks Blvd, Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>products with respect to the property or any facility located on the property?</i>			X				
15c. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
15d. Has the <i>owner or occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?			X				
16. Does the <i>owner or occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	X						But I understand that the Contamination has been remediated
17. Does the <i>owner or occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the <i>property</i> by any <i>owner or occupant</i> of the <i>property</i> ?			X				
18a. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a storm water system?			X				
18b. Does the <i>property</i> discharge <i>waste water</i> (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a sanitary sewer system?			X				
19. Did you observe evidence or do you have any prior knowledge any <i>hazardous</i>		X					

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

Question	Owner/Occupant			Observed during site visit			Comments
	Yes	No	Unk <sup>1</sup>	Yes	No	Unk <sup>1</sup>	
<i>substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the property?</i>		X					
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of Polychlorinated Biphenyls (PCBs)?			X				

Unk<sup>1</sup> = Unknown

[Questionnaire obtained from ASTM E-1528-06]



600 White Oaks Blvd. Bridgeport, WV 26330  
 TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

**PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE**

**GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY**

(See guide, Section 10 ASTM E-1528-06)

21. Do any of the following federal, state, or tribal government record systems list the *property* or any *property* within the search distance noted below (where available):

UNKNOWN

Approximate Minimum Search Distance,  
miles (kilometers)

Federal NPL site list	1.0 (1.6)	G Yes	G No
Federal Delisted NPL site list	0.5 (0.8)	G Yes	G No
Federal CERCLIS list	0.5 (0.8)	G Yes	G No
Federal CERCLIS NFRAP sitelist	0.5 (0.8)	G Yes	G No
Federal RCRA CORRACTS facilities list	1.0 (1.6)	G Yes	G No
Federal RCRA non-CORRACTS TSD Facilities list	0.5 (0.8)	G Yes	G No
Federal RCRA generators list	property and adjoining properties	G Yes	G No
Federal institutional control/engineering control registries	property only	G Yes	G No
Federal ERNS list	property only	G Yes	G No
State and tribal lists of hazardous waste sites identified for investigation or remediation:			
State and tribal-equivalent NPL	1.0 (1.6)	G Yes	G No
State and tribal-equivalent CERCLIS	0.5 (0.8)	G Yes	G No
State and tribal landfill and/or solid waste disposal site lists	0.5 (0.8)	G Yes	G No
State and tribal leaking storage tank lists	0.5 (0.8)	G Yes	G No
State and tribal registered storage tank lists	property and adjoining properties	G Yes	G No
State and tribal institutional control engineering control registries	property only	G Yes	G No
State and tribal voluntary cleanup sites	0.5 (0.8)	G Yes	G No
State and tribal Brownfield sites	0.5 (0.8)	G Yes	G No

UNKNOWN

23. Based upon a review of *fire insurance maps* (10.2.3) or local street directories (10.2.3), all as specified in the guide, are any buildings or other improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?

G Yes      G No      G Unavailable

UNKNOWN

Result: \_\_\_\_\_

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

The *Owner/Occupant* questionnaire was completed by:

Name: MAT MAZEFSKY (NOTE: we are prospective, but not current owners)

Title: GENERAL COUNSEL

Firm: CHEMSTREAM HOLDINGS, INC.

Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Date: \_\_\_\_\_

Role(s) at the site: \_\_\_\_\_

Number of years at the site: \_\_\_\_\_

Relationship to the user (for example, principal, employee, agent, consultant): \_\_\_\_\_

The *Site Visit* questionnaire was completed by:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Date: \_\_\_\_\_

Role(s) at the site: \_\_\_\_\_

Number of years at the site: \_\_\_\_\_

Relationship to the user (for example, principal, employee, agent, consultant): \_\_\_\_\_

# THRASHER

600 White Oaks Blvd. Bridgeport, WV 26330

TEL: 304.624.4108 FAX:304.624.7831 EMAIL: thrasher@thrashereng.com

## PHASE I ENVIRONMENTAL ASSESSMENT - TRANSACTION SCREEN QUESTIONNAIRE

The Government Records and Historical Sources Inquiry questionnaire was completed by:

Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Firm: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Phone No.: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Role(s) at the site: \_\_\_\_\_  
 Number of years at the site: \_\_\_\_\_  
 Relationship to the user (for example, principal, employee, agent, consultant): \_\_\_\_\_

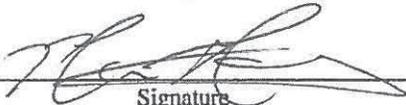
If the preparer(s) is different from the user, complete the following:

Name of User: \_\_\_\_\_  
 User's Address: \_\_\_\_\_  
 \_\_\_\_\_  
 User's Phone No.: \_\_\_\_\_  
 Date: \_\_\_\_\_

Copies of the completed questionnaires have been filed at: \_\_\_\_\_

Copies of the completed questionnaires have been mailed or delivered to: \_\_\_\_\_

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

  
 \_\_\_\_\_  
 Signature

11-12-13  
 \_\_\_\_\_  
 Date

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

It is the user's responsibility to draw conclusions regarding affirmative or unknown answers.