

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Former Barrett Store
15 Randolph Avenue, Pulaski, Virginia**



PREPARED FOR:

Town of Pulaski and United States Environmental Protection Agency
USEPA Brownfields Assessment Grant Number: # BF – 963327-01-0

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Draper Aden Associates
Engineering • Surveying • Environmental Services

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This report is presented in an electronic version only.

EXECUTIVE SUMMARY

Draper Aden Associates was contracted by the Town of Pulaski, under a United States Environmental Protection Agency (USEPA) Brownfields Assessment Grant, to perform a Phase I Environmental Site Assessment (ESA) for the subject property formerly known as Barrett Store located at 15 Randolph Avenue in Pulaski, Virginia. Draper Aden Associates performed the Phase I ESA in general accordance with the scope and limitations of the ASTM International (ASTM) Practice E1527-13 and the USEPA All Appropriate Inquiry Rule in an effort to identify recognized environmental conditions (RECs) as defined by the ASTM standard. An asbestos and lead-based paint (LBP) assessment was completed as part of the Phase I ESA.

The subject property is currently owned by Ms. Betty Johnston. The subject property is located at the northwest corner of the intersection of Randolph Avenue and a Norfolk Southern Railroad right-of-way, north of the intersection of Randolph Avenue and Commerce Street within the Town of Pulaski in a mixed-use area of development that historically and currently includes light industrial/manufacturing, government, religious, commercial, and residential, railroad, and undeveloped properties. The subject property is occupied primarily by a one-story Main Building and an adjacent one-story Former Auto Repair Garage. The Main Building was constructed in the late 1800s and primary use was a feed and hay store or grocery until late 1970s/1980s. Building renovations occurred since original construction. The Former Auto Repair Garage was constructed between 1920 and 1927 and use of petroleum storage was documented. Both structures are currently unoccupied and in poor condition. Draper Aden Associates conducted the site reconnaissance on July 27, 2017, however, interior portions were not observed due to the poor condition of the building. The roof and interior of the Main Building have collapsed into the basement. The walls and ceilings within the Former Auto Repair Garage exhibited damage from rainwater infiltration; the ceiling within the middle room is sagging and the ceiling within the rear room has collapsed.

This assessment revealed evidence of the following RECs in connection with the subject property. A finding of RECs does not imply that impact exists, but more information may be warranted.

- REC (subject property) – ACM and LBP materials were identified within on-site structures.
- REC (subject property) – Historical property use likely included the storage and use of hazardous substances (petroleum, chlorinated solvents, potential PCB-containing fluids, paints); undocumented releases to the subject property from improper handling/disposal or spills are considered likely.
- REC (subject property) – The site reconnaissance identified numerous containers of paint, paint thinner, and solvents; tires; automotive parts; a motorcycle; and old televisions among the refuse and debris within the Former Auto Repair Garage. Additionally, three rusted 55-gallon steel drums (two open drums filled with bottles, one closed drum with unknown contents) were observed in the overgrown vegetated area behind the Main Building. One rusted 35-gallon drum (unknown contents) and one collapsed 55-gallon

blue plastic drum (unknown contents) were observed among the refuse and debris within the front room of the Former Auto Repair Garage.

- REC (subject property) – Two gasoline USTs located in front of the Former Auto Repair Garage were identified in historic Sanborn maps, and a gasoline pump was observed in front of the Former Auto Repair Garage in a historical photograph dated circa mid-1900s. The gasoline pump, or other USTs were not observed on-site during the site reconnaissance. The disposition of the USTs is unknown.
- REC (adjacent and vicinity properties) – Adjacent and vicinity properties have been developed since at least the late 1800s - early 1900s. Historical activities at nearby properties may have included the use, storage, and disposal of potentially hazardous substances or petroleum products. Except where discussed below, no indication of a release which required regulatory oversight from these facilities was identified; however, many of these historical activities pre-date the regulatory documentation available for review under this assessment. The historically dense urban and industrial development in the area limits the ability to differentiate potential impacts from off-site properties.
- REC (vicinity properties) – Multiple leaking underground storage tank sites were listed on regulatory databases in the vicinity of the subject property. Although these sites have been closed by VDEQ, regulatory closure does not preclude that a site may be reopened in the future should new data become available.

Based on available information, RECs identified during this assessment represent a potential for a low level of significant impact to the subject property. A finding of RECs does not imply that impact exists, but more information may be warranted. Further discussion regarding RECs, historical RECs, areas of concern and *de minimis* conditions, data gaps, and associated findings and opinions are provided in the body of this report.

1.0 INTRODUCTION

Draper Aden Associates was contracted by the Town of Pulaski (User), under a United States Environmental Protection Agency (USEPA) Brownfields Assessment Grant, to perform a Phase I Environmental Site Assessment (ESA) for the subject property formerly known as Barrett Store located at 15 Randolph Avenue in Pulaski, Virginia.

Draper Aden Associates performed this Phase I ESA in general accordance with the scope and limitations of the ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process* and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) Rule. The Phase I ESA included a site reconnaissance, conducted on July 27, 2017, interviews with the present property owner and local government officials, as well as a review of practically reviewable and reasonably ascertainable historical records and records of local, state and federal regulatory agencies, unless noted. Due to the date of construction of the building, a formal survey for asbestos-containing material (ACM) and lead-based paint (LBP) was conducted by the EI Group Incorporated, of Roanoke, Virginia, as part of this Phase I ESA. Additional Virginia Department of Environmental Quality (VDEQ) file review was also completed as part of this assessment.

The subject property, adjoining and surrounding properties are depicted in **Figures 1** through **5**. Photographs of the site at the time of the site reconnaissance are presented in **Appendix A**. Historical records review documentation, including an environmental lien report, is presented in **Appendix B**. Regulatory review documentation is provided in **Appendix C**. The ACM and LBP survey report is provided in **Appendix D**. Qualifications of project environmental professionals are presented in **Appendix E**. A review for controlled substances was not conducted by Draper Aden Associates. The results of the Phase I ESA are provided below.

1.1 Purpose

A Phase I ESA is intended to identify recognized environmental conditions (RECs) on a site, as defined in Section 3.2.78 of the ASTM standard, from review of practically reviewable and reasonably ascertainable information about the site, including a site reconnaissance, to satisfy one of the requirements to qualify for the landowner liability protections, that being the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" (42 USC §9601(35)(B)) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The term REC means the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. If RECs are identified, the Phase I ESA report may indicate what additional activity is warranted to further evaluate the environmental conditions. Additionally, the Town, a USEPA Assessment Grant recipient, aims to use the results of the Phase I ESA to help facilitate redevelopment of the property.

Draper Aden Associates prepared this document in accordance with generally accepted standards of environmental practice, and in general accordance with the scope and limitations of the ASTM standard. The conclusions presented in this report are professional opinions based on data described in this report, and are intended only for the purpose, site location, and project indicated. The conclusions presented in this report are based on the assumption that site conditions do not deviate from those observed during the study and described in this report.

This report is not an exhaustive study of potential environmental impact at the subject property and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions, vapor intrusion, radon, wetlands assessment, historical assessment or other evaluation of environmental issues considered business environmental risk as defined by ASTM were not performed as part of this assessment, unless specifically noted.

The potential for vapor encroachment was considered when evaluating the subject property for RECs. A vapor encroachment condition (VEC) is the presence or likely presence of chemical(s) of concern (COC) vapors in the subsurface of a target property caused by the release of vapors from impacted soil or groundwater either on or near the subject property. COCs include any chemical that is present in the subsurface environment that can potentially migrate as a vapor into the subsurface of the target property (e.g., petroleum compounds); however, COCs do not include naturally occurring gases such as radon associated with certain types of subsurface geology.

The results of this assessment represent a review of current conditions based on practically reviewable and reasonably ascertainable information and limited observations. Exceptions to, or deletions from, this practice are described in Section 8.0 of this report. A finding of RECs does not imply that impact actually exists, but that more information may be warranted.

2.0 PROPERTY DESCRIPTION

2.1 Location, Legal Description

The subject property is located at the northwest corner of the intersection of Randolph Avenue and a Norfolk Southern Railroad line, north of the intersection of Randolph Avenue and Commerce Street in Pulaski, Virginia. The subject property includes Tax Parcels 072-32-59-6 and 072-32-59-7. The street address for the subject property is 15 Randolph Avenue. The subject property is owned by Ms. Betty Johnston.

2.2 Site and Vicinity Characteristics

The subject property is located within the Town of Pulaski, Pulaski County, Virginia. The subject property is located in a downtown mixed-use area of development that includes light industrial/manufacturing, government, religious, commercial, residential, railroad, and undeveloped properties. The subject property is a flat, rectangular shaped parcel occupied primarily by two adjacent structures: an approximately 3,500 square-foot one-story brick and stone building (Main Building) and an approximately 1,700 square-foot one-story brick and cinderblock addition on the north side of the Main Building (Former Auto Repair Garage). Both structures face east toward Randolph Avenue. The remainder of the subject property behind the two structures is overgrown with vegetation and contains partial walls of a former wooden structure behind the Main Building. Peak Creek is located approximately 90 feet north of the subject property. A Site Location Map is presented as **Figure 1**. A Site Detail Map is presented as **Figure 2**.

2.3 Current Use of the Property

The Main Building and Former Auto Repair Garage are currently unoccupied. The interior of the Main Building has collapsed. The Former Auto Repair Garage is filled with miscellaneous refuse.

2.4 Description of Structures, Roads, Other Improvements on the Site

The existing approximately 3,500 square-foot one-story Main Building is the remaining structure of a two-story building constructed in the late 1800s (approximately 127 years old). The original construction date is unknown; however, a photograph of the original building circa the mid-1900s shows a date of '1890' near the center of the top of the second floor (Photograph 2, **Appendix A**). The existing one-story Main Building appears to be constructed of brick and stone outer walls and wood frame interior walls over a basement. The existing approximately 1,700 square-foot one-story Former Auto Repair Garage appears to be constructed as slab on grade with brick and cinderblock outer walls and wood frame interior walls; no basement or attic spaces were observed within the Former Auto Repair Garage. The exact age of the Former Auto Repair Garage cannot be determined; however, based on historical Sanborn maps the Former Auto Repair Garage was constructed between 1920 and 1927 (approximately 100 years old).

A concrete sidewalk is situated on the subject property on the east side of the structures. The main entrances to the Main Building and to the Former Auto Repair Garage are via Randolph Avenue to the east, with rear entrances on the western walls of both structures. A gravel driveway is located along the south side of the Main Building leading from Randolph Avenue to the rear of the subject property. The western portion of the subject property behind the two structures is overgrown with vegetation and contains partial walls of a former wooden structure behind the Main Building.

This area of Pulaski is serviced by public water, sewer, electricity and natural gas. Electrical and water utility structures were visible on-site.

2.5 Current Uses of the Adjoining Properties and Surrounding Properties

Current Uses of Adjoining Properties

The properties immediately surrounding the subject property are vacant parcels, gravel parking areas, and railroad. Select adjacent properties are depicted in **Figure 2** and current adjoining property uses are detailed below:

Adjacent Properties

North

- Vacant parcel.

East

- Gravel-covered parking area.

South

- Norfolk Southern railroad track right-of-way.

West

- Vacant parcel.

Current Uses of Surrounding/Vicinity Properties

Select surrounding/vicinity properties are depicted in **Figures 2 and 3**. The subject property is bordered to the west and north by vacant parcels, with a locked wooden structure of unknown use located on a parcel further north of the subject property. A large gravel-covered parking area is located northeast of the subject property between First Street NW and Peak Creek; this parking area is the former location of the Virginia Church Furniture factory, which was demolished in late 2016-early 2017. The subject property is bordered to the east by Randolph Avenue with a fenced, gravel-covered parking area immediately across the street; the Pulaski Medical Arts Building (located within the old railroad freight depot) is located further east beyond the gravel-covered

parking area. The subject property is bordered to the south by a Norfolk Southern railroad track right-of-way, with Commerce Street immediately south beyond the railroad track right-of-way. Numerous commercial, light industrial, local government, religious, and residential properties are located across Commerce Street to the southwest, south, and southeast as well as within one-half mile of the subject property. Such properties include the Huff Petroleum Bulk Plant, Connie Oil, and Jefferson Yarns. Potential RECs associated with current and former uses of adjoining and surrounding properties are identified and discussed in Section 4.0.

3.0 USER PROVIDED INFORMATION AND SITE DETAILS

3.1 Ownership Record Review

According to the Town of Pulaski property records, Richard and Betty Johnston acquired the subject property from Wanda Barrett on April 24, 1986. Prior ownership and use is discussed in Section 4.0 and Section 6.0.

3.2 Environmental Liens or Activity and Land Use Limitations

No environmental liens or activity and land use limitations (AULs) were noted. The Environmental Lien Report for the subject property, provided by Environmental Data Resources, Inc. (EDR), of Shelton, Connecticut, is provided in **Appendix C**.

3.3 Specialized Knowledge

Mr. Shawn Utt, Town Manager, Town of Pulaski/USEPA Brownfields Grantee Representative represents the User of this Phase I ESA, and provided information related to the site as presented in the ASTM E1537-13 User Questionnaire (**Appendix B**). Interviews were also conducted with the current owner and local officials (**Appendix B**). No other information was provided to Draper Aden Associates regarding specialized knowledge in connection with the subject property.

3.4 Commonly Known or Reasonably Ascertainable Information

Except where noted, no additional information was provided to Draper Aden Associates regarding RECs in connection with the subject property.

3.5 Valuation Reduction for Environmental Issues

The value of a property is based on current fair market value. The role of the Phase I ESA is to provide information regarding RECs that may be used in the determination of fair market value. There is the potential that discovery of historical environmental issues, conditions or liens, or other RECs during this Phase I ESA could affect the value of the property. At this time, the subject property is proposed to be donated at no cost. Based on the response provided in the User Questionnaire, the User does not believe the market value for the subject property is attributed to the presence of environmental impact.

3.6 Owner, Occupant, Property Manager Information

Ms. Betty Johnston, current property owner, provided information related to the subject property as noted throughout the report. There are no current occupants or property managers at the subject property.

3.7 Reason for Performing a Phase I Review

Reasons for performing the Phase I ESA are as noted below.

- The subject property was selected as a recipient of a USEPA Brownfields Assessment Grant. The grant requires completion of a Phase I ESA.
- To facilitate sale and/or redevelopment of the subject property.
- Or, to qualify for the landowner liability protections, that being the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" [42 USC §9601(35)(B) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)], if applicable.

The User intends to use the results of the Phase I ESA to help facilitate sale (donation at no cost) and redevelopment of the subject property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Review

Draper Aden Associates contracted with EDR to complete the regulatory database search and to assist parties seeking to meet the record search requirements of the ASTM standard. The EDR *Radius Map Report with GeoCheck* is presented in **Appendix C**. Upon review of the EDR report, Draper Aden Associates identified and summarized the following information pertaining to the subject property, adjacent and off-site properties, and unmappable orphan properties.

Subject Property

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

Adjacent Properties

No adjacent properties were identified in the regulatory databases searched by EDR.

Vicinity Properties

The EDR report used the ASTM-defined minimum search distances in the regulatory database review for this project.

As discussed in Section 4.3.2, groundwater beneath the subject property is presumed to flow north-northeast toward the east-flowing Peak Creek, which is located approximately 90 feet north of the subject property. This general characterization of groundwater flow is based on an assumption of relatively simple subsurface aquifer conditions and that Peak Creek is the local groundwater discharge zone (groundwater divide). Therefore, properties north of Peak Creek are considered unlikely to have the potential for environmental impact to the subject property due to inferred groundwater flow conditions. Sites listed in the EDR report located south of Peak Creek, topographically upgradient or cross-gradient (from the subject property) and within the ASTM search radii are evaluated below.

Properties identified in the EDR report located south, southwest, and west of the subject property, are considered to possess the highest potential for environmental impact to the subject property. The following properties were identified within the ASTM search radii and are considered to be topographically and hydrologically upgradient or cross-gradient from the subject property based on the criteria discussed above. Note the distances and directions are estimated from the center point of the subject property as provided in the EDR report, **Appendix C**.

NAME	ADDRESS	DIRECTION/ DISTANCE	ENVIRONMENTAL RECORD(S)	DATABASE STATUS
Jefferson Yarns Hill Plant (A1)	27 Valley St.	SSE 0.041 mi.	US Brownfield, ECHOs	assessed
Kahn & Feldman (Jefferson Mills) (A2)	27 Valley St.	SSE 0.041 mi.	RCRA-SQG, US AIRS	in compliance
Jefferson Mills (A3)	27 Valley St.	SSE 0.041 mi.	LUST, LTANKS, UST	closed, removed
Huff Petroleum Corporation Inc. (B4)	30 Lagrange St.	SW 0.059 mi.	AST	dismantled
Huff Petroleum Bulk Plant (B5)	30 Lagrange St.	SW 0.059 mi.	LUST, LTANKS	closed
Regional EMS Pulaski Station (B9)	60 Lagrange St.	SSW 0.088 mi.	EDR Historical Auto	not reported
Connie Oil Inc. (D10)	425 W. Commerce St.	WSW 0.097 mi.	LUST, LTANKS, UST, AST	not reported, closed, removed, perm out of use (2 ASTs), curr in use (7 ASTs)
New River Oils Inc. (D11)	425 W. Commerce St.	WSW 0.097 mi.	EDR Hist Auto	not reported
Nanochemonics Holdings LLC (F16)	4 Magnox Drive	NW 0.155 mi.	RCRA-CESQ	not reported
Nanochemonics Site (F17)	4 Magnox Drive	NW 0.155 mi.	SEMS, PRP	removal only, administrative order on consent
Magnox Pulaski Inc. (F18)	4 Magnox Drive	NW 0.155 mi.	AST	curr in use (1 AST)
Nehi Bottling (G19)	609 Commerce St.	WSW 0.160 mi.	UST	perm out of use
Sadler Hosiery Mills Inc. (G21)	535 Commerce St.	W 0.172 mi.	RCRA NonGen/NLR, FINDS, ECHO	not reported
Jefferson School (25)	85 First St. SW	SE 0.218 mi.	US Brownfields	assessed
Town of Pulaski Public Works (I26, I27, I28)	27 State St.	WSW 0.221 mi.	UST, Financial Assurance, LUST, LTANKS	curr in use (2 USTs), removed (5 USTs), closed
Hercules Plant – Pulaski (I29)	720 Commerce St.	W 0.247 mi.	SEMS-ARCHIVE	not NPL
Magnox Pulaski Inc. Pulaski Plant (I30)	720 Commerce St.	W 0.247 mi.	UST	removed
Frost Residence	160 Cliff St.	SW 0.265 mi.	LUST, LTANKS	closed
Hale Property	59 Bertha St.	WSW 0.278 Mi.	LUST, LTANKS	closed

Note: A detailed description of the acronyms used above is provided in the EDR report (**Appendix C**).

A summary of information regarding some of these sites is provided below and most are depicted in **Figure 3** (Site Setting Map) **Figure 4** (Neighboring Property Map), and **Figure 5** (Regulatory Database RECs).

- *Jefferson Yarns Hill Plant, 27 Valley Street*

The EDR report listed that a Phase I Environmental Assessment was conducted for the site under a USEPA Brownfields Assessment Cooperative Agreement. The assessment determined a potential for environmental impact to the Jefferson Yarns Hill Plant site, warranting a Phase II Environmental Assessment, which indicated minor impacts typical of an urban mixed commercial-industrial use property.

- *Jefferson Mills, 27 Valley Street*

The EDR report lists one LUST (pollution control #20122114, reported October 19, 2011), and two pollution complaints (#19920195, reported July 5, 1991 and #20122114, reported October 19, 2011) in the leaking petroleum tanks (LTANKS) database. The case status for the LUST and the pollution complaints are listed as closed. The EDR report lists one 10,000 gallon UST of unknown prior contents closed in ground, and one 10,000 gallon heating oil UST, one 1,000 gallon gasoline UST, and one 1,000 gallon UST of unknown prior contents removed from ground.

- *Huff Petroleum Bulk Storage Plant, 30 Lagrange Street*

The EDR report lists three LUST (pollution control #96-1025A, reported September 10, 1995, pollution control #20072012, reported August 8, 2006, and pollution control #20082025, reported October 4, 2007), and three pollution complaints (#19961025, reported September 11, 1995, #20082025, October 4, 2007, and #20072012, reported August 8, 2007) in the leaking petroleum tanks database. The case status for the LUST reported in 1995 is not reported; the case status for the LUST reported in 2006 is closed; and the case status for the LUST reported in 2007 is closed. The case status for the pollution complaints are listed as closed.

- *Connie Oil Inc., 425 West Commerce.*

The EDR report lists two LUSTs (pollution control #99-1029A, reported August 13, 1999, and pollution control #93-2158A, reported April 30, 1993), and two pollution complaints (#19991029, reported August 13, 1998, and #19932158, reported April 30, 1993) in the leaking petroleum tanks database. The case statuses for the LUSTs are not reported, and the case statuses for the pollution complaints are listed as closed. The EDR report lists one 22,500 gallon AST of unknown former contents and one 22,500 gallon heating oil AST as permanently out of use. One 12,000 gallon AST containing gasoline, two 19,500 gallon heating oil ASTs, one 22,000 gallon kerosene AST, one 13,000 gallon lubricating oil AST, one 12,000 gallon lubricating oil AST, and one 2,000 gallon diesel AST are listed as currently in-use.

- *Nehi Bottling – 609 Commerce St*

The EDR report lists one 1,000 gallon gasoline UST as permanently out of use.

- *Jefferson School, 85 First Street SW*

The EDR report lists that a Phase I Environmental Assessment was conducted for the site under a USEPA Brownfields Assessment Cooperative Agreement. The assessment determined that although no release or impacts have been documented, there is a potential for environmental impact to the Jefferson School site from suspect former petroleum use (vent pipes of unknown use were located near the boiler room) and proximity to historical manufacturing/industrial sites (i.e., topographically and hydrologically upgradient of the school).

- *Hercules Plant – 720 Commerce Street*

The EDR Report lists the site in the SEMS-Archive under EPA ID VAD980705636. The site was discovered in 1986 and a preliminary assessment listed the site as NFRAP (no further remedial action planned), the site is not listed on the NPL.

- *Frost Residence – 160 Cliff Street*

The EDR report lists the site in the LUST and LTANKs database with a leaking tank reported on August 14, 2008, pollution control number 20092011. The site status is reported as closed.

- *Hale Residence – 59 Bertha Street*

The EDR report lists the site in the LUST and LTANKS database as having a leaking tank reported on October 16, 2001, pollution complaint number 20022039. The site status is reported as closed.

One of the sites listed above within the ASTM search radii, Nanochemonics, is listed in the Superfund Enterprise Management System (SEMS; formerly Comprehensive Environmental Response, Compensation, and Liability Information System [CERCLIS]) database under EPA ID VAN000306716, as well as the Potentially Responsible Party (PRP) database. The Nanochemonics site is located approximately 21 feet higher in elevation than the subject property but is located 0.155 miles northwest of the subject property to the north of Peak Creek and to the west of Tract Fork, a south-flowing perennial tributary to Peak Creek located approximately 400 feet west-northwest (upstream) of the subject property. Nanochemonics formerly manufactured nanoparticle iron oxides for various industries; the company ceased operations in July 2010 and an EPA-approved Response Action Plan was implemented from April 2011 through August 2016 to remove hazardous substances and polychlorinated biphenyls (PCBs) remaining at the site following demolition of the on-site structures and buildings. Groundwater flow from the

Nanochemonics site is likely in a southeasterly direction toward Tract Fork and Peak Creek. Similar to Peak Creek, Tract Fork likely acts as a groundwater divide between Nanochemonics to the west and downtown Pulaski to the east. Therefore, the potential for subsurface environmental impact to the subject property from Nanochemonics is considered unlikely due to inferred groundwater flow conditions.

Note that a number of the sites listed above were designated as closed in the leaking tank (i.e., LTANK/LUST) databases. Although these sites have received regulatory closure, regulatory closure does not preclude that a site may be reopened in the future should new data become available. These sites were considered RECs based on: proximity to the subject property, uncertainties regarding existing site conditions, and/or association with other historical site use activities that likely constitute a REC and potentially undocumented releases (see Section 4.4). These sites are illustrated in **Figure 5**. Due to the historically commercial/industrial development in the area, differentiation of potential impacts from the surrounding off-site properties would be challenging.

Remaining sites identified in the EDR report and located within the standard environmental record search radii were determined to be located topographically and hydrogeologically downgradient from the subject property or across a hydrogeologic divide (Peak Creek) from the subject property; therefore, the remaining sites identified in the EDR report are not anticipated to pose an environmental risk to the subject property.

Orphan Sites

Unmappable orphan properties, those that have poor or inadequate address information, were also reviewed. Due to the limited information available for review, the minimum search distance for these orphan sites was limited to the site and adjoining properties. Based on review of the information, the remaining listed orphan sites were not located on or adjoining the subject property and are therefore not considered RECs based on available information at this time.

4.1.1 Activity and Use Limitations (AULs)

No AULs were identified for the subject property. The current property owner did not indicate knowledge of any AULs for the property since purchase. The EDR Environmental Lien Report for the property is provided in **Appendix C**.

4.2 Other Records Review

A Freedom of Information Act (FOIA) request was made to VDEQ regarding the subject property, 15 Randolph Avenue, in order to obtain reasonably ascertainable environmental records to evaluate past or present regulated activities at the sites. The VDEQ possessed no files related to the subject property.

On behalf of the Town of Pulaski, Draper Aden Associates previously conducted ESAs for the Jefferson Yarns Hill Plant located at 27 Valley Street under a USEPA Brownfields Assessment

Cooperative Agreement (Phase I ESA August 2010, revised June 2011; Phase II ESA December 2011, revised July 2012; Phase III ESA December 2012). The Jefferson Yarns Hill Plant is located south-southwest across the railroad right-of-way and Commerce Street from the subject property. The results of the Phase II ESA indicated the presence of minor impacts to soil (inorganics, VOCs, SVOCs, TPH) and groundwater (VOCs, TPH) typical of an urban mixed commercial-industrial use property, and that groundwater beneath the Jefferson Yarns Hill Plant flows northeastward toward the subject property and Peak Creek.

4.3 Physical Setting Sources

In accordance with ASTM E1527-13, the 2016 U.S. Geologic Survey (USGS) Pulaski, Virginia 7.5-minute topographic quadrangle map as well as the Virginia Division of Geology and Mineral Resources *Geologic Map of the Pulaski Quadrangle, Virginia* (2015) were reviewed to evaluate the physical setting of the subject site and vicinity as described below.

4.3.1 Topographic Map Review

The 2016 USGS Pulaski, Virginia 7.5-minute topographic quadrangle map was reviewed. The subject property is situated at approximately 1908 feet above mean sea level. The topography of the property slopes downward at a shallow gradient to the north towards Peak Creek. Peak Creek is located approximately 90 feet north of the subject property at approximately 1900 feet above mean sea level. Peak Creek flows east approximately six miles before joining with the New River at Claytor Lake. Peak Creek has been channelized through the downtown portion of the Town of Pulaski by a large dry stacked containment structure.

Storm water likely flows along the topographic gradient off site and discharges into Peak Creek. According to U.S. Federal Emergency Management Agency (FEMA) mapping Map No. 51155C0141G, the subject property is located within the 100-year floodplain (**Appendix C**). This information is also included in the EDR Radius Map located in **Appendix C**.

Discharges into Peak Creek from nearby industrial activities on both sides of Peak Creek and its nearby tributaries have the potential to mobilize contaminants and impact properties during flooding. According to information available through VDEQ, the segment of Peak Creek passing through the town of Pulaski is impaired due to potential PCB impacts (**Appendix C**; http://www.deq.virginia.gov/Portals/0/DEQ/Water/TMDL/PCB/NewRiver/NR_PCBs_Problem_ID_Final.pdf). Due to the location of the subject property within the 100-year floodplain, the designation of Peak Creek as impaired, and the presence of numerous potential industrial dischargers in the area, the potential exists for impact to the subject property during flood events.

4.3.2 Regional and Local Geology

The subject property is located within the highly folded and faulted Valley and Ridge Physiographic province of Virginia. As shown on the *Geologic Map of the Pulaski Quadrangle*, the subject property is underlain by Alluvium which was deposited by Peak Creek during the Holocene. The Alluvium is typically less than three to more than 30 feet thick and underlain by the Cambrian-aged Elbrook Formation, which consists of dolomite and limestone with thin lenses of sandstone (Schultz *et al.*, 2015). Dolomite and limestone are carbonate rock types conducive to karst terrane.

Karst topography is common in areas underlain by the Elbrook Formation. The term karst describes a distinctive topography that indicates dissolution of underlying soluble rocks (such as limestone and dolomite) by surface water or groundwater. This dissolution can create voids in the underlying bedrock. These voids may ultimately collapse and a sinkhole is formed. In addition, karst topography is vulnerable to groundwater pollution due to the ease of water flow throughout the system and the lack of natural filtration systems. No karst features are documented on the subject property based on the information reviewed.

Assumed groundwater flow beneath the subject property is likely north-northeast towards Peak Creek; however, actual groundwater flow directions cannot be determined without site-specific groundwater testing. This general characterization of groundwater flow is based on an assumption of relatively simple subsurface aquifer conditions and that Peak Creek is the local groundwater discharge zone (groundwater divide).

4.3.3 USDA Soil Survey

According to the United States Department of Agriculture (USDA) National Resources Conservation Service (NRCS) mapping as accessed through the Web Soil Survey, the soils underlying the subject property are identified as Urban. Urban soils are generally described as soil that has been so altered or obscured by development that classification is not practical. A copy of the soil survey map is included in **Appendix C**.

4.4 Historical Use Information – Subject Property and Adjacent Properties

The historical site use as described below was based on review of information presented in the various practically reviewable and reasonably ascertainable historical resources evaluated and referenced in Section 9.0 and located in **Appendix B**, including Sanborn Fire Insurance (Sanborn) maps dated 1894 through 1959, aerial photographs dated 1949 through 2012, historical topographic maps dated 1890 through 2013, and recorded land title records. Interviews conducted during this assessment were also used to assist in the understanding of previous uses of the subject property and surrounding area. In some instances, sources could not be identified at 5-year increments as required by the ASTM 1527-13 standard. This represents a data gap since site-specific development/use could not be confirmed over these time periods based on historical documents available and the verbal history obtained during interviews.

4.4.1 Historical Use - Subject Property

The following historical use summary for the subject property is based on information referenced in the following table and as noted above, as well as an interview with the current property owner as discussed in Section 6.0.

Summary of Subject Property Historical Use

Year (Source)	Use
1889 (Deed Book 40, Page 125)	I. R. Albert acquired the subject property from Calfee and J. E. Moore.
1890 (circa mid 1900s photograph; Photo 2, Appendix A)	Assumed date of construction of original two-story Main Building based on date of '1890' visible near the center top of second floor.
1894 (Sanborn)	Two-story Main Building identified as flour and hay store (with elevator noted in center of south wall) and dwelling. Unconnected two-story building north of Main Building identified as grocery. Unconnected one-story building west of Main Building identified as vacant, with unconnected two-story building west of vacant building identified as grocery.
1898 (Sanborn)	Two-story Main Building identified as hay and feed store (no elevator noted) and grocery. Unconnected two-story building north of Main Building identified as vacant. Unconnected one-story building west of Main Building identified as vacant, with unconnected two-story building west of vacant building identified as grocery.
1903 (Sanborn)	Two-story Main Building identified as grocery store with connected one-story addition on west side identified as hay and feed store in former location of unconnected one-story building. Unconnected two-story building north of Main Building identified as meat store. Unconnected two-story building west of hay and feed addition identified as grocery.
1908 (Sanborn)	Two-story Main Building identified as grocery and meat store with connected two-story addition on west side identified as hay and feed store. Unconnected two-story building north of Main Building identified as general store. Unconnected two-story building west of hay and feed addition identified as warehouse.
1913 (Sanborn)	Two-story Main Building identified as meat and grocery store and dwelling with connected two-story addition on west side identified as warehouse. Unconnected two-story building north of Main Building identified as general store. Unconnected two-story building west of warehouse addition identified as warehouse.
1917 (Deed Book 40, Page 125)	H. A. Sizer acquired the subject property from J. H. Shuff and wife. This deed was located on the same page in the same deed book as the 1889 deed and noted in reference to: "2-story brick buildings formerly occupied by I. R. Albert & Co. and framed building in the rear of said 2-story brick store rooms, and used as a feed store and the building known as the McNew Building, immediately west of the feed building."

Year (Source)	Use
1918 (Deed Book 40, Page 125)	S. M. Lyon acquired the subject property from H. A. Sizer. This deed was located on the same page in the same deed book as the 1889 and 1917 deeds and noted in reference to: "2-story brick buildings formerly occupied by I. R. Albert & Co. and framed building in the rear of said 2-story brick store rooms, and used as a feed store and the building known as the McNew Building, immediately west of the feed building."
1920 (Sanborn)	Two-story Main Building identified as grocery, dwelling, and wholesale with connected two-story addition on west side identified as feed store. Unconnected two-story building north of Main Building identified as 'confy'. Unconnected two-story building west of feed store addition identified as dwelling.
1924 (Deed Book 48, Page 498)	A. Sizer acquired the subject property from S. M. Lyon and wife.
1924 (Deed Book 49, Page 291)	Previous deeds were subject to this deed which established a public alleyway with 28 feet fronting Randolph Avenue and extending 90 feet to the west; acquired by H. A. Sizer from Travis.
1927 (Sanborn)	Two-story Main Building identified as store with connected two-story addition on west side identified as feed store. Previous unconnected two-story building north of Main Building replaced by connected one-story structure identified as auto repairing with concrete floor and electric motor; one gasoline tank (assumed UST) located in Randolph Avenue immediately east of this structure. Unconnected two-story building west of feed store addition identified as dwelling.
Circa early 1900s (Photo 1, Appendix A)	Two-story Main Building identified as Pulaski Tinning Company. Connected one-story structure adjacent to north side of Main Building identified as A. J. Weeks Garage, with gasoline pump visible next to front entrance.
1936 (Deed Book 77, Page 236)	William Dewey Sizer acquired the subject property from A. Sizer (deceased).
1948 (Sanborn)	Two-story Main Building identified as tin shop; previous connected two-story addition on west side now absent. Connected one-story structure adjacent to north side of Main Building identified as auto repairing; two gasoline tanks (assumed USTs) located in Randolph Avenue immediately east of this structure. Unconnected two-story building west of Main Building identified as dwelling.
1949, 1951 (Aerial Photos)	Main Building, adjacent structure on north side of Main Building, and unconnected building west of Main Building visible in aerial photos.
1956 (Aerial Photo)	Main Building and adjacent structure on north side of Main Building visible in aerial photo. Previous unconnected building west of Main Building not visible in aerial photo.
1959 (Sanborn)	Two-story Main Building identified as tin shop; connected one-story structure adjacent to north side of Main Building identified as auto repairing; two gasoline tanks (assumed USTs) located in Randolph Avenue immediately east of this structure. Previous unconnected building west of Main Building absent.

Year (Source)	Use
1960 (Deed Book 195, Page 205)	Hastwell Sizer and Fred Swinburne acquired the subject property from William Dewey Sizer.
1974 (Deed Book 299, Page 478)	Douglas Barrett acquired the subject property from Hastwell Sizer et. al.
1970s (current owner interview)	Subject property reportedly used as a convenience store known as "Barretts Place."
1986 (Current Deed; Deed Book 411, Page 571)	Betty Johnston and Richard Johnston acquired the subject property from Wanda Barrett.
1986- early 1990s (current owner interview)	Mr. Johnston reportedly used the subject property for his hobbies (building street rod racing cars and repairing televisions).
Early 1990s – Present (current owner interview)	Subject property reportedly has been unoccupied.

Based on the information reviewed, historical property use likely included the storage and use of hazardous substances (petroleum, chlorinated solvents, potential PCB-containing fluids, paints) associated with use as an automotive repair facility and the use of motor/electrical equipment. No releases to the subject property were documented; however, based on the length of time in operation and likely undocumented releases to the subject property from improper handling/disposal or spills, the former site use is considered an REC.

4.4.2 Historical Use - Adjacent Properties and Vicinity

Adjoining and surrounding properties in the general vicinity of the subject property were a mixture of commercial and industrial as early as the late 1800s and have remained mixed use development. Historical uses of surrounding properties identified as RECs are discussed below. The following information summarizes historical adjacent and vicinity property use. Select noted properties are identified on **Figures 2** through **5**.

North: Uses of adjacent and vicinity properties to the north of the subject property historically included residential, commercial retail and service uses (i.e. dwellings, tenements, grocery, restaurant, barber, jewelry store, tobacconist, pool room,). Peak Creek was located further north of these north and northeast vicinity properties. Based on historical site use, a significant release from these properties is unlikely. Additionally, based on the topographic location of properties to the north and assumed direction of groundwater flow, a release from these properties (if present) is not likely to impact the subject property.

Vicinity properties to the northeast of the subject property between First Street NW to the northeast of the subject property and Peak Creek historically included residential, church, livery and an opera house. By 1920 these properties were in use as a lumber company by the Pulaski Lumber Company, Inc. The site was used by a furniture manufacturer (Virginia Church Furniture) from 1985 to 2011; the former Virginia Church Furniture buildings were demolished in late 2016-early 2017 and the property is now a gravel-covered parking area. Based on the topographic location of properties to the northeast and assumed direction of groundwater flow, a release from these properties (if present) is not likely to impact the subject property.

East: The adjacent and vicinity property to the east of the subject property (across Randolph Avenue, north of the Norfolk Southern railroad track right-of-way) was the location of railroad freight housing since prior to the 1890s. By 1900, a freight depot, coal yard, and ice yard were present north of the railroad tracks. By 1908 a new Norfolk and Western Freight Depot had been built north of the rail line and was in operation through the early 1970s. By 1913 a rail spur had been constructed running northeast of the main rail line and approximately 200 feet east of the subject property.

This adjacent and vicinity property to the east is presumed hydrologically cross-gradient of the subject property; however, this site is considered a REC in connection with the subject property based on: proximity to the subject property; the presence of the rail line; site use as a rail depot and coal storage; the length of time in operation; and likely undocumented releases of hazardous substances, petroleum products, PCBs, herbicides, and/or pesticides.

South: The adjacent property to the south of the subject property has been the right-of-way for the Norfolk and Western Railroad (now Norfolk Southern Railroad) main rail line through the Town of Pulaski since prior to the 1890s, with Commerce Street immediately south beyond the railroad right-of-way. Vicinity properties to the south of the railroad right-of-way and Commerce Street were developed as early as 1894 (earliest documentation identified during this review) as this area was the former center of Pulaski, with mixed use properties including government offices (Town Hall), retail, commercial, residential, and manufacturing. This area remained mixed use with increasing industrial/manufacturing use, with construction of the Paul Knitting Mills (now part of Jefferson Yarns Hill Plant) at the southeast corner of Commerce Street and Lagrange Street southwest of the subject property in 1916, development of a petroleum distributor bulk storage facility (now Connie Oil Inc. and Huff Petroleum) on Commerce Street between Lake Street and Lagrange Street southwest of the subject property between 1937 and 1948, and construction of the Jefferson Mills Hill Building (now part of Jefferson Yarns Hill Plant) at the southwest corner of Commerce Street and Valley Street south of the subject property in 1964.

Adjacent and vicinity properties to the south and southwest of the subject property are located topographically and assumed hydrologically upgradient from the subject property. Due to the proximity to the subject property, length of time in operation, historical use of chlorinated solvents and petroleum products, and likely undocumented releases of hazardous substances/petroleum products (as well as documented releases of petroleum products, see Sections 4.1 and 4.2), these vicinity properties are considered a REC in connection with the subject property.

West: The adjacent property to the west of the subject property was the location of a one story structure identified as a cobbler and shoe shop on the 1894 through 1908 Sanborn maps; this structure was absent and the parcel was vacant on the 1913 and 1920 Sanborn maps. Vicinity properties to the west were vacant parcels bounded by Peak Creek to the west and north and by the railroad right-of-way to the south on the 1894 through 1920 Sanborn maps. The western adjacent property and vicinity properties were occupied by J. L. Kesling Wood & Coal Yard on the 1927 through 1959 Sanborn maps.

According to the Pulaski County GIS Department Parcel Viewer (website address: www.pulaskicounty.org/GIS.html), the adjacent property (former site of the J. L. Kesling Wood & Coal Yard) to the west of the subject property was purchased by Mr. Randall Jones in October 1995. According to Ms. Betty Johnston, current owner of the subject property, Mr. Jones constructed a "Wild West" frontier-land amusement park consisting primarily of wooden structures on the adjacent property west of the subject property as a hobby. Historical aerial photographs dated 2001 through 2012 show several structures on the adjacent property west of the subject property. Ms. Johnston mentioned that in 2013 the wooden structures on the adjacent property to the west of the subject property caught fire and were allowed to burn; the remains of burned wooden structures were visible on the adjacent property to the west of the subject property during the July 27, 2017 site reconnaissance.

The western adjacent property and vicinity properties between the subject property and Peak Creek are presumed to be hydrologically cross-gradient of the subject property; however, this site is considered a REC in connection with the subject property based on: proximity to the subject property; historical site use for coal storage; the length of time in operation; and likely undocumented releases of hazardous substances, petroleum products, PCBs, herbicides, and/or pesticides.

Peak Creek is situated west and north of the vicinity properties to the west and north of the subject property. Facilities located further west and north of Peak Creek are separated from the subject property by a hydraulic divide and sufficient distance to be considered unlikely to have impacted the subject property.

5.0 SITE RECONNAISSANCE

Draper Aden Associates performed the Phase I ESA site reconnaissance on July 27, 2017. The assessed subject property and adjoining properties observed from the property boundary are depicted in **Figure 2**. Representative photographs of the subject property are presented in **Appendix A**.

5.1 Methodology and Limiting Conditions

Methodology: Field observations were documented systematically. Field personnel first observed exterior conditions on the subject property using a counterclockwise pattern. After completing exterior observations, field personnel observed conditions within the interior of the Former Auto Repair Garage from front to back to the extent allowed due to concerns with structural integrity. After completing observations on the subject property, field personnel then observed conditions at adjacent properties.

Limiting Conditions: Power was not available at the time of the assessment and no lights were operational in the building; therefore, areas without windows were observed with a flashlight. The interior of the Main Building could not be observed as the roof and interior have collapsed into the basement. The floor of the Former Auto Repair Garage was covered by piles of refuse and debris and could not be thoroughly observed. The middle room was not entered due to concerns with the structural integrity of the ceiling. The rear room was collapsed. The exterior along the north wall of the Former Auto Repair Garage is overgrown with vegetation and could not be observed.

5.2 General Site Setting

The subject property is occupied primarily by the one-story Main Building and the adjacent one-story Former Auto Repair Garage. A concrete sidewalk is situated on the subject property along the front (east side) of the structures. The main entrances to the Main Building and to the Former Auto Repair Garage are on the front of the structures facing Randolph Avenue, with rear entrances on the western walls of both structures. A former door has been bricked over in the exterior southern wall of the Main Building. Windows facing Randolph Avenue in the front walls of both structures have been boarded over. The front entrance to the Main Building is nailed shut and the concrete in front of the entrance has partially collapsed into the structure's basement, creating a potential fall hazard for passersby. The rear entrance to the Main Building has partially collapsed, allowing entry to trespassers. The front entrance to the Former Auto Repair Garage is secured with a padlock, while the rear entrance (bay door) appears to be in poor condition yet secure.

The Main Building and the Former Auto Repair Garage are currently unoccupied. Both structures are in poor condition. The Main Building appears to be constructed of brick and stone outer walls with wood frame interior walls over a basement; however, the Main Building could not be entered

beyond the rear doorway during the site reconnaissance as the roof and interior have collapsed into the basement and the front entrance is nailed shut.

The Former Auto Repair Garage appears to be constructed as slab on grade with brick and cinderblock outer walls and wood frame interior walls; no basement or attic spaces were observed within the structure. The interior of the Former Auto Repair Garage appears to be divided into three successive rooms – front, middle, and rear. The walls and ceilings within the rooms exhibited damage from rainwater infiltration. Draper Aden Associates personnel entered only the front room of the Former Auto Repair Garage during the site reconnaissance as the ceiling within the middle room was sagging and the ceiling within the rear room had collapsed. A partially open doorway in the south wall of the front room leads into the collapsed interior of the adjacent Main Building; a large hole within the south wall of the middle room also leads into the collapsed interior of the adjacent Main Building. A metal-walled enclosure with a vault-like door was observed in the southwest corner of the front room.

As shown in the site photographs (**Appendix A**), the Former Auto Repair Garage is filled with refuse, including but not limited to the following observed in the front room: a rusted 35-gallon drum (contents unknown); a collapsed 55-gallon blue plastic drum (contents unknown); numerous containers of paint, paint thinner, and solvents; tires; automotive parts; a motorcycle; old televisions; construction materials; glass bottles; and miscellaneous debris. Similar items, refuse, and debris were observed within the middle room from the opening from the front room. The middle room was not entered due to concerns with the structural integrity of the ceiling.

A metal pipe chimney was observed on the exterior of the north wall of the Former Auto Repair Garage. An opening for the chimney was observed on the interior of the north wall of the Former Auto Repair Garage as well. Similar to other older buildings in the area, the chimney may have been used to vent exhaust from a former coal or oil-fired heating system. A suspected oil-fired heater was observed lying on its side disconnected from the chimney in the middle room of the Former Auto Repair Garage. No other signs of a former coal or oil-fired heating system was observed. Additionally, two former electric heating and/or cooling units labeled 'Carrier' were observed mounted in the exterior of the south wall of the Main Building.

A gravel driveway is located along the south side of the Main Building leading from Randolph Avenue to the rear of the subject property. The western portion of the subject property behind the Main Building and the Former Auto Repair Garage is overgrown with vegetation and contains partial walls of a former wooden structure with metal beams across the top behind the Main Building. Cinder blocks and building debris were observed scattered among the vegetation within the remains of the former wooden structure, along with three rusted 55-gallon steel drums (two open drums filled with bottles, one closed drum with unknown contents).

As stated previously, the Main Building could not be entered during the site reconnaissance and only the front room of the Former Auto Repair Garage could be entered due to concerns with structural integrity. No indication of hazardous material or chemical storage, use, or disposal was observed during the site reconnaissance except as noted below.

5.3 Exterior Observations

5.3.1 Chemical Storage Areas (excluding storage tanks and drums)

No exterior chemical storage areas were observed.

5.3.2 Underground or Aboveground Storage Tanks

No aboveground or underground storage tanks were observed.

5.3.3 Odors

No strong, pungent or noxious odors were noted.

5.3.4 Pools of Liquid

No pools of liquid were noted.

5.3.5 Drums

Three rusted 55-gallon steel drums (two open drums filled with bottles, one closed drum with unknown contents) were observed in the overgrown vegetated area behind the Main Building.

5.3.6 Polychlorinated Biphenyls (PCBs)

No pad mounted transformers or other PCB containing electrical or hydraulic equipment were observed.

5.3.7 Subsurface Structures (excluding storage tanks, wells and septic systems)

No evidence of subsurface structures was observed onsite and no evidence of wastewater discharge into a drain, ditch, underground injection system, or stream on the subject property was observed.

5.3.8 Waste Disposal Areas

No mounds or depressions suggesting trash or solid waste disposal were observed. No waste disposal areas were observed.

5.3.9 Pits, Ponds, or Lagoons

No pits, ponds or lagoons were observed.

5.3.10 Stained Soil or Pavement

No stained soil or pavement was observed onsite.

5.3.11 Staining or Corrosion

No staining or corrosion was observed.

5.3.12 Stressed Vegetation

No stressed vegetation was observed.

5.3.13 Wells and Septic Tanks

No wells or septic tanks were observed.

5.4 Interior Observations

As stated previously, the interior of the Main Building has collapsed and could not be entered during the site reconnaissance. Therefore, the following observations reflect the interior of the Former Auto Repair Garage unless otherwise noted.

5.4.1 Chemical Storage Areas (excluding storage tanks and drums)

No designated interior chemical storage areas were observed.

5.4.2 Underground or Aboveground Storage Tanks

No underground or aboveground storage tank systems were observed. No vent pipes, fill pipes or access ways indicating underground storage tanks were observed.

5.4.3 Odors

The building interior exhibited a musty odor resulting from rainwater infiltration.

5.4.4 Pools of Liquid

No pools of liquid were observed within the interior of the Former Auto Repair Garage. Extensive damage from infiltration of rainwater was observed in the ceiling and walls throughout the building.

5.4.5 Drums

A rusted 35-gallon drum and a collapsed 55-gallon blue plastic drum were observed among the refuse and debris within the front room of the Former Auto Repair Garage. The contents of the two drums are unknown.

5.4.6 Polychlorinated Biphenyls (PCBs)

An electrical panel was observed on the interior north wall of the front room of the Former Auto Repair Garage, and an electrical panel was observed in the western wall of the metal-walled enclosure in the southwest corner of the front room. Two ceiling fluorescent light fixtures were observed on the front room of the building, and two ceiling fluorescent light fixtures were observed in the middle room of the building. No transformers or other potential PCB containing electrical or hydraulic equipment were observed within the Former Auto Repair Garage.

5.4.7 Subsurface Structures including Drains and Sumps

No floor drains or evidence of other subsurface structures were observed in the interior of the building. However, the floor of the Former Auto Repair Garage was covered by piles of refuse and debris and could not be thoroughly observed.

5.4.8 Waste Disposal Areas

The Former Auto Repair Garage is filled with refuse, including but not limited to: numerous containers of paint, paint thinner, and solvents; tires; automotive parts; a motorcycle; old televisions; construction materials; glass bottles; and miscellaneous debris.

5.4.9 Staining or Corrosion

Water staining and damage was observed in the ceiling and walls throughout the building. No other staining or corrosion was observed.

5.5 Asbestos-Containing Materials (ACM) and Lead-Based Paint (LBP)

The EI Group, Inc. (EI), of Roanoke, Virginia, was contracted to complete an ACM and LBP Survey. The ACM and LBP Survey report prepared by EI is included in **Appendix D**. The EI report indicates the presence of ACM and LBP. Proper management of waste material resulting from the demolition of this building must be managed in accordance with state, local, and federal regulations.

5.6 Adjacent Properties

The conditions of adjacent properties were observed from the subject property boundaries and public right-of-way. The properties surrounding the subject property are as noted in Section 2.5. No pits, ponds, lagoons, or pools of liquid were observed, and no environmental issues were observed from the subject property boundaries or from the public right-of-way to indicate impact from the adjacent properties to the subject property.

6.0 INTERVIEWS

Draper Aden Associates conducted interviews, provided questionnaires, and/or requested information from the current property owner and local government officials. Interview, questionnaire, and/or information request documentation is included in **Appendix B**.

6.1 Current Property Owner

Ms. Betty Johnston, current property owner, was contacted via telephone on July 26, 2017, regarding the subject property. Ms. Johnston provided the following information:

- Ms. Johnston and her husband, Richard, purchased the property in the 1973-1975 timeframe (please note: according to deed records reviewed at the Pulaski County Courthouse, Mr. and Ms. Johnston purchased the subject property from Ms. Wanda Barrett on April 24, 1986). Mr. Johnston is now deceased and Ms. Johnston would like to sell or donate the property.
- Prior to Mr. and Ms. Johnston's purchase of the subject property, the site was used as a convenience store in the 1970s and was known as "Barretts Place." Ms. Barrett's husband passed away and she subsequently sold the subject property to Mr. and Ms. Johnston.
- Mr. and Ms. Johnston did not use the subject property for business purposes during their ownership. Mr. Johnston used the building to build street rod racing cars as a hobby; he also repaired televisions on-site as a hobby.
- Mr. and Ms. Johnston stopped using the building in the early 1990s. Ms. Johnston is aware that the building is in poor condition and the roof in the rear of the building has collapsed.
- Ms. Johnston could not comment on chemicals used or chemical waste generated by her husband at the subject property, if any. Ms. Johnston stated that her husband was very environmentally conscientious as their young children often were in the building.
- Ms. Johnston stated that her husband only used space heaters to heat the building. Ms. Johnston had no knowledge regarding how the building was formerly heated.
- Ms. Johnston had no knowledge of any underground or aboveground storage tanks on the subject property. Ms. Johnston did not know if the former convenience store sold gasoline.
- Ms. Johnston was unaware of any dumping or improper disposal on the subject property. Ms. Johnston was unaware of any fires on the property.

- Ms. Johnston stated that the adjacent property to the west was owned by Mr. Randall Jones; as a hobby Mr. Jones constructed a “Wild West” frontier-land amusement park consisting primarily of wooden structures (according to the Pulaski County GIS Department Parcel Viewer [www.pulaskicounty.org/GIS.html] Mr. Randall Jones purchased the adjacent property to the west of the subject property on October 2, 1995). Ms. Johnston mentioned that in 2013 the wooden structures on the adjacent property to the west caught fire, and that the structures were allowed to burn.

6.2 Local Government Officials and User

Mr. Shawn Utt, Town Manager for the Town of Pulaski and USEPA Brownfields Grantee Representative completed an ASTM User Questionnaire (**Appendix B**). Mr. Utt was aware of some of the historical retail uses of the subject property. Mr. Utt was unaware of any environmental issues associated with the subject property.

Mr. Robby Kiser, Acting Fire Chief with the Town of Pulaski Fire Department, was contacted via telephone on July 24, 2017, regarding emergency response and petroleum or hazardous substance releases at the subject property or on adjacent parcels. Mr. Kiser has been with the Fire Department for 17 years. According to Mr. Kiser, no known fuel storage tanks have been located and no known chemicals were stored, used, or disposed on the site. Mr. Kiser had no recollection of any environmental responses to the subject property. Mr. Kiser was aware that the rear portion of the building had collapsed and he was uncertain of the current condition of the remaining building. Mr. Kiser was not aware of any material storage, USTs, ASTs, or hazardous material (HAZMAT) releases on the subject property.

Mr. Chris Moyer, Chief Building Inspector for the Town of Pulaski, was contacted via telephone on July 24, 2017, regarding the condition of the subject property. Mr. Moyer has been in his position since April 2017. Mr. Moyer was aware that there has been no activity at the building for a while. Mr. Moyer stated that while the building has not been condemned by the Town, the structure is in very poor condition. Mr. Moyer also stated that the Town has been maintaining electronic records on buildings since last fall (2016); he was aware of other older records in the basement of his building, but the records are not easily accessible. No additional information was provided.

6.3 Past Property Owner

The previous property owner, Ms. Wanda Barrett, was not contacted as part of this Phase I ESA. Sufficient historical resources were available for review so this data gap is not considered significant at this time.

7.0 FINDINGS, OPINIONS, AND CONCLUSIONS

7.1 Findings, Opinions and Conclusions

The results of this assessment represent a review of current conditions based on reasonably ascertainable information and limited observations. A finding of a recognized environmental condition (as defined by the ASTM standard and detailed in the limitations section of this report) does not imply that impact actually exists, but that more information may be warranted.

Draper Aden Associates performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 for the subject property located at 15 Randolph Avenue in the Town of Pulaski, Virginia. Any exceptions to, or deviations from, this practice are described in Section 8.0 of this report. This assessment revealed no evidence of RECs in connection with the subject property except for the following:

7.1.1 Recognized Environmental Conditions

(Subject Property)

- Historical property use likely included the storage and use of hazardous substances (petroleum, chlorinated solvents, potential PCB-containing fluids, paints) associated with use as an automotive repair facility and the use of motor/electrical equipment. No releases to the subject property were documented; however, based on the length of time in operation, undocumented releases to the subject property from improper handling/disposal or spills are considered likely.
- Two gasoline USTs located in front of the Former Auto Repair Garage were identified in Sanborn maps dated 1927 (one UST only), 1948 and 1959. A gasoline pump was observed in front of the Former Auto Repair Garage in a historical photograph dated circa mid 1900's. The gasoline pump was not observed on-site during the site reconnaissance. The disposition of the USTs is unknown.
- ACM and LBP materials were identified within on-site structures (see EI report presented in **Appendix D**).
- Three rusted 55-gallon steel drums (two open drums filled with bottles, one closed drum with unknown contents) were observed in the overgrown vegetated area behind the Main Building. One rusted 35-gallon drum (unknown contents) and one collapsed 55-gallon blue plastic drum (unknown contents) were observed among the refuse and debris within the front room of the Former Auto Repair Garage. Numerous containers of paint, paint thinner, and solvents; tires; automotive parts; a motorcycle; and old televisions were observed among the refuse and debris within the Former Auto Repair Garage.

(Adjacent and Vicinity Properties)

- Adjacent and vicinity properties have been developed since at least the late 1800s - early 1900s. Properties which include facilities that may have been hazardous waste generators or that stored petroleum products in USTs and/or ASTs are located in the vicinity of the subject property and are topographically upgradient or cross-gradient from the subject property. Historical use, storage, and disposal of potentially hazardous substances or petroleum products at these sites is likely; however, the extent of chemical use is unknown as are the sites' historical disposal practices. Many of these historical activities pre-date the regulatory documentation available for review under this assessment. Additionally, the historically dense urban and industrial development in the area limits the ability to differentiate potential impacts from off-site properties. Based on available information at this time as noted above, these sites are considered RECs to the subject property.
- Vicinity sites including Jefferson Mills, the Huff Petroleum Bulk Storage Plant, and Connie Oil, Inc. were listed as closed in the LTANK/LUST databases. Although these sites have been closed by VDEQ, regulatory closure does not preclude that a site may be reopened in the future should new data become available. These sites are considered RECs based on: proximity to the subject property, uncertainties regarding existing site conditions, and/or association with other historical site use activities that likely constitute a REC, and potentially undocumented releases to the environment from spillage and/or improper storage, handling, and/or disposal of hazardous substances and petroleum products.

In conclusion, based on available information reviewed as part of this assessment, there is potential for impact to the subject property from former on-site and off-site sources. Note, a finding of RECs does not imply that impact actually exists, but that more information may be warranted.

7.1.2 Findings (not considered RECs)

The following additional areas of concern were identified during this assessment, but are not considered RECs at this time.

- Other historical fuel sources (i.e., coal or fuel oil) likely were associated with the subject property based on observations noted during the site reconnaissance, however, no fuel oil USTs or ASTs were observed.
- An electrical panel was observed on the interior north wall of the front room of the Former Auto Repair Garage, and an electrical panel was observed in the western wall of the metal-walled enclosure in the southwest corner of the front room. Four ceiling fluorescent light fixtures were observed in the building. The presence or absence of PCBs in these items could not be determined.

- According to U.S. Federal Emergency Management Agency (FEMA) mapping, the subject property is located within a 100-year floodplain (FEMA, 2008). Due to the location of the subject property within the 100-year floodplain, the designation of Peak Creek as impaired, and the presence of numerous potential industrial dischargers in the area, the potential exists for impact to the subject property during flood events.
- Given the proximity of industrial sites to the subject property, it is important to note that there is potential for complicating factors associated with subsurface bedrock that may lead to enhanced subsurface migration pathways, or non-systematic groundwater flow rates and direction due to construction, excavation and filling activities.
- A vapor intrusion survey was outside the scope of services. However, several petroleum sites are present within the search radius and are located topographically or hydrogeologically upgradient or cross-gradient of the subject property. There are no hydrogeologic barriers or divides separating these sites from the subject property and there is the potential for non-systematic migration pathways; therefore, there is a potential for vapor encroachment based on the proximity of offsite locations and subsurface conditions. A basement is located beneath the Main Building. However, no petroleum odors were noted during the site reconnaissance. The potential for vapor encroachment and/or vapor screening should be considered in future redevelopment planning, if applicable.
- The Main Building and the Former Auto Repair Garage are in poor condition. The roof and interior of the Main Building have collapsed into the basement. The walls and ceilings within the Former Auto Repair Garage exhibited damage from rainwater infiltration; the ceiling within the middle room was sagging and the ceiling within the rear room had collapsed. Interior observations were limited due to condition of building. See data gaps, Section 7.2.
- A historical building survey was outside the scope of services, however, the site appears to be located within the identified historic area defined on a 1986 National Register of Historical Places Inventory Nomination form (http://www.dhr.virginia.gov/registers/Counties/Pulaski/125-0005_Pulaski_Historic_Commercial_District_1986_Final_Nomination.pdf).

7.1.3 Historical Recognized Environmental Condition (HREC)

No HRECs, as defined by the ASTM Standard (see Section 8.0), were observed.

7.1.4 Controlled Recognized Environmental Condition (CREC)

No CRECs, as defined by the ASTM Standard (see Section 8.0), were observed.

7.1.5 ***De Minimis* Conditions**

The following *de minimis* conditions were noted during this assessment, but are not considered a REC at this time.

- Historically, the source of heat for many of the vicinity historic structures included coal and/or heating oil. Although no coal-fired boiler, coal storage, or heating oil tanks were observed during the site reconnaissance, a metal pipe chimney was observed on the exterior of the north wall and an opening for the chimney was observed on the interior of the north wall of the Former Auto Repair Garage. A suspected oil-fired heater was observed lying on its side disconnected from the chimney in the middle room of the Former Auto Repair Garage. Similar to other older buildings in the area, the chimney may have been used to vent exhaust from a coal or oil fueled furnace at some time in the building's past. No other signs of a former coal or oil-fired heating system was observed.

7.2 **Data Gaps**

- Identification of initial site development and historical use at 5 year intervals was not determined.
- Power was not available at the time of the assessment and no lights were operational in the building; therefore, areas without windows were observed with a flashlight.
- The interior of the Main Building could not be observed. The middle room within the Former Auto Repair Garage could not be entered due to concerns with structural integrity of the ceiling; the rear room of the Auto Repair Garage had collapsed and could not be entered.
- The roof of the Former Auto Repair Garage was only observed from the interior of the building (the underside); the ceiling exhibited extensive water damage and had collapsed in the rear portion of the building. The top of the roof was not directly observed.
- The floor of the Former Auto Repair Garage is covered with refuse and debris and could not be thoroughly observed. Therefore, the presence or absence of floor drains could not be determined.
- The exterior along the north wall of the Former Auto Repair Garage is overgrown with vegetation and could not be examined for the presence of vent pipes, fill pipes or access ways indicating underground storage tanks.
- The previous property owner, Ms. Wanda Barrett, was not contacted as part of this Phase I ESA. Sufficient historical resources were available for review so this data gap is not considered significant at this time.

These data gaps do not represent a significant data gap based on available information at this time.

The results of this assessment represent a review of current conditions based on reasonably ascertainable information and limited observations. A finding of RECs does not imply that impact actually exists, but that more information may be warranted.

8.0 LIMITATIONS AND EXCEPTIONS

Draper Aden Associates prepared this document in accordance with generally accepted standards of environmental practice, and in general accordance with the scope and limitations of the ASTM E1527-13: *Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process*. The conclusions presented in this report are professional opinions based on data described in this report, and are intended only for the purpose, site location, and project indicated. The conclusions presented in this report are based on the assumption that site conditions do not deviate from those observed during the study and described in this report. This report is not an exhaustive study of potential environmental impact at the site and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions, radon, wetlands assessment, or historical building evaluation was not performed as part of this assessment. Select ASTM definitions are provided below:

- *controlled recognized environmental condition (CREC)*—a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).
- *historical recognized environmental condition (HREC)*—a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted.
- *de minimis condition*—a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

This report has been prepared for the subject property pursuant to an agreement with the Town of Pulaski and is accurate to the best of Draper Aden Associates' knowledge and belief. This report is based, in part, on unverified information supplied to Draper Aden Associates by third-party

sources. While efforts have been made to substantiate this third-party information, Draper Aden Associates cannot guarantee its completeness or accuracy.

It is the responsibility of the client to notify the appropriate federal, state and/or local government agencies of our findings, as may be required by law.

8.1 Scope of Services

Draper Aden Associates provides this Phase I ESA in accordance with our general Scope of Services for Environmental Site Assessments. This includes the Phase I ESA, which generally consists of historical data and regulatory agency file records. Interviews with the site owner/operator and state and/or local officials were conducted. A reconnaissance of the site was also conducted. On completion of this review, the data is evaluated and a written report prepared documenting the investigative activities. Findings and recommendations for additional assessment are included, if warranted. Subsurface or surface sampling, and asbestos, vapor intrusion, radon gas and lead-based paint evaluations are not conducted during the Phase I effort, unless specifically requested by the client.

An environmental lien search and ACM-LBP evaluation were included with this Phase I effort.

8.2 Terms and Conditions

Draper Aden Associates has provided this Phase I ESA in accordance with the terms and conditions noted above.

8.3 User Reliance

The Phase I ESA is designed to assist the User, as defined by ASTM E1527-13, in developing information about the environmental conditions of a property. This Phase I ESA is site-specific and relates to the assessment of environmental conditions at the subject property only. No Phase I ESA can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions.

8.4 Deviations

Draper Aden Associates conducted this ESA in general accordance with ASTM Practice E1527-13. Deviations from the standard practice are described, where necessary, within the report. Limiting conditions that are considered Data Gaps are listed in Section 7.0. Other identified limiting conditions are detailed in Section 5.0.

8.5 Additional Services

No additional services are necessitated at this time.

REFERENCES

References Cited:

1. Draper Aden Associates. *Phase II Environmental Site Assessment – Jefferson Yarns Hill Plant, Pulaski, Virginia*. December 6, 2011, revised July 10, 2012.
2. Environmental Data Resources, Inc. (EDR). *Former Barretts Store, 15 Randolph Avenue, Pulaski, Virginia 24301, Inquiry Number 5002441*:
 - *EDR Aerial Photo Decade Package, Inquiry Number 5002441.12*. July 25, 2017.
 - *EDR Building Permit Report, Inquiry Number 5002441.8*. July 25, 2017.
 - *EDR Certified Sanborn Map Report, Inquiry Number 5002441.3*. July 25, 2017.
 - *EDR Environmental Lien Search Report, Inquiry Number 5002441.7S*. August 15, 2017.
 - *EDR Historical Topo Map Report, Inquiry Number 5002441.4*. July 25, 2017.
 - *EDR Property Tax Map Report, Inquiry Number 5002441.6*. July 25, 2017.
 - *EDR Radius Map Report with GeoCheck, Inquiry Number 5002441.2s*. July 25, 2017.
3. Pulaski County Clerk of Circuit Court, Pulaski County Court House, 45 3rd Street NW, Pulaski, Virginia. July 28, 2017.
4. Pulaski County, Virginia GIS Department Parcel Viewer, www.pulaskicounty.org/GIS.html. Accessed August 4, 2017.
5. Schultz, A.P., Bartholomew, M.J., Brown, E.K., Ingram, G.R., Lewis, S.E., and Blair, J.A., 2015. *Geologic Map of the Pulaski Quadrangle, Virginia*: Virginia Division of Geology and Mineral Resources Publication 183, 1:24,000-scale map.
6. Natural Resources Conservation Service (NRCS) Web Soil Survey, Pulaski County, Virginia. United States Department of Agriculture. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed August 6, 2017.
7. U.S. Environmental Protection Agency (USEPA). Site Profile – NanoChemonics, www.epaossc.org/nanochemonics. Accessed August 6, 2017.
8. U.S. FEMA Flood Insurance Rate Map (FIRM). Pulaski County, Virginia, and Incorporated Areas, Panel 141 of 275, Map Number 51155C0141G. Effective date September 26, 2008.
9. U.S. Geological Survey (USGS). Pulaski Quadrangle, Virginia 7.5-Minute Series Topographic Quadrangle, Scale 1:24,000. 2016.

Interviews:

- Ms. Betty Johnston, current property owner, via telephone at 540-577-9404. July 26, 2017.
- Mr. Robby Kiser, Acting Fire Chief, Pulaski Fire Department, via cellular telephone at 540-440-0120. July 24, 2017.
- Mr. Chris Moye, Chief Inspector, Building, Town of Pulaski, via telephone at 540-994-8615. July 24, 2017.

• Signature of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10(b) of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries, or have directly supervised the activities of the all appropriate inquiries, by Draper Aden Associates staff in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

Name: Janet C. Frazier, /Senior Environmental Scientist/Program Manager



Signature: _____

Name: Ross G. Miller, Senior Project Geologist



Signature: _____

Company: Draper Aden Associates
Address: 2206 South Main Street
City/State/Zip: Blacksburg, VA 24060-6600
Phone and Fax: (540) 552-0444, (540) 552-0291

Reviewed by:

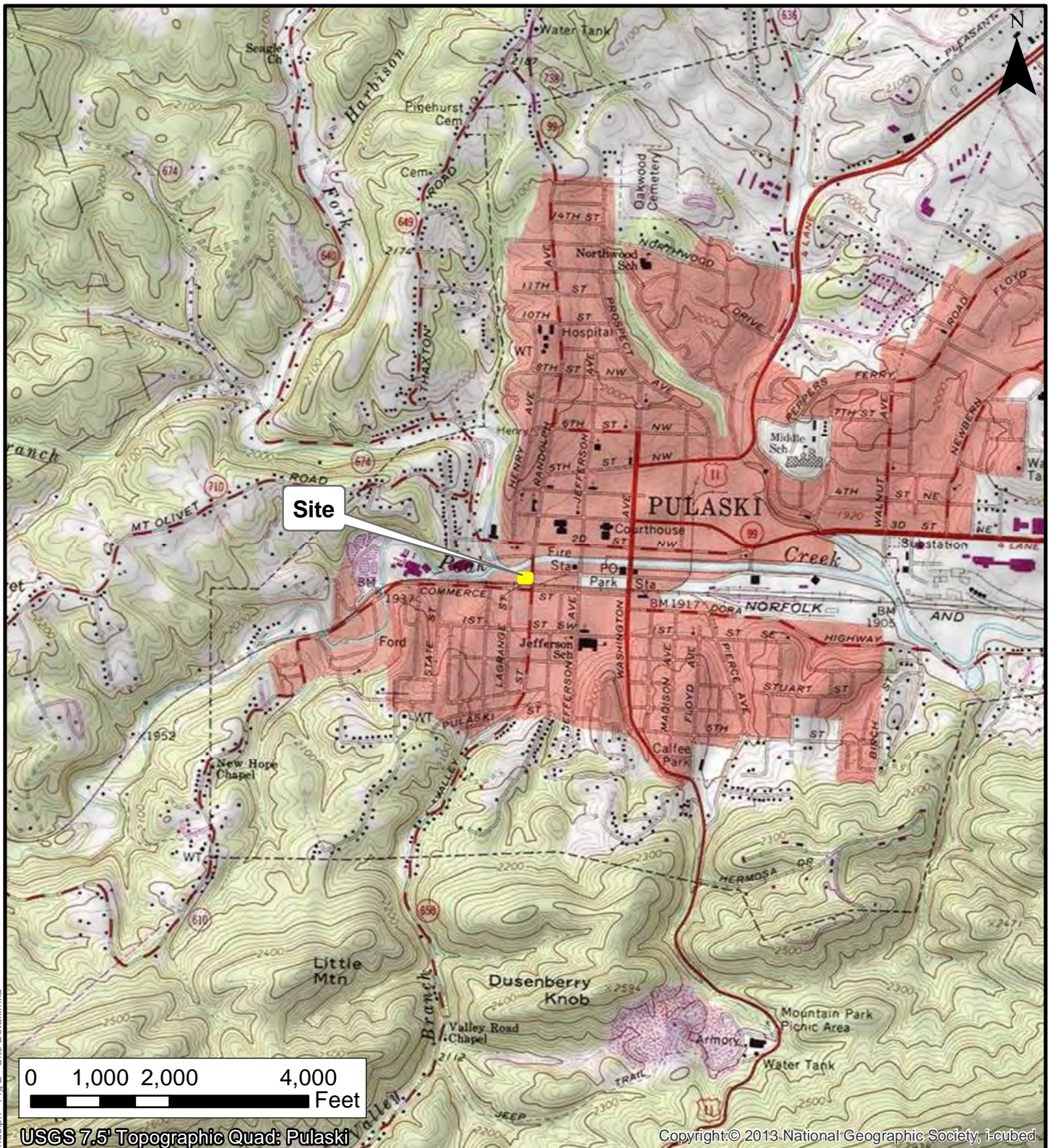
Name: Srikanth Nathella, PE, Program Manager



Signature: _____

Virginia Professional Engineer Certification and Number: VA PE 0402 035307

FIGURES



Site Location Map

Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue, Town of Pulaski, Virginia

SCALE: 1" = 2000'

PROJECT: B07226-05



Draper Aden Associates

Engineering • Surveying • Environmental Services

2206 South Main Street
Blacksburg, VA 24060
540-552-0444 Fax: 540-552-0291

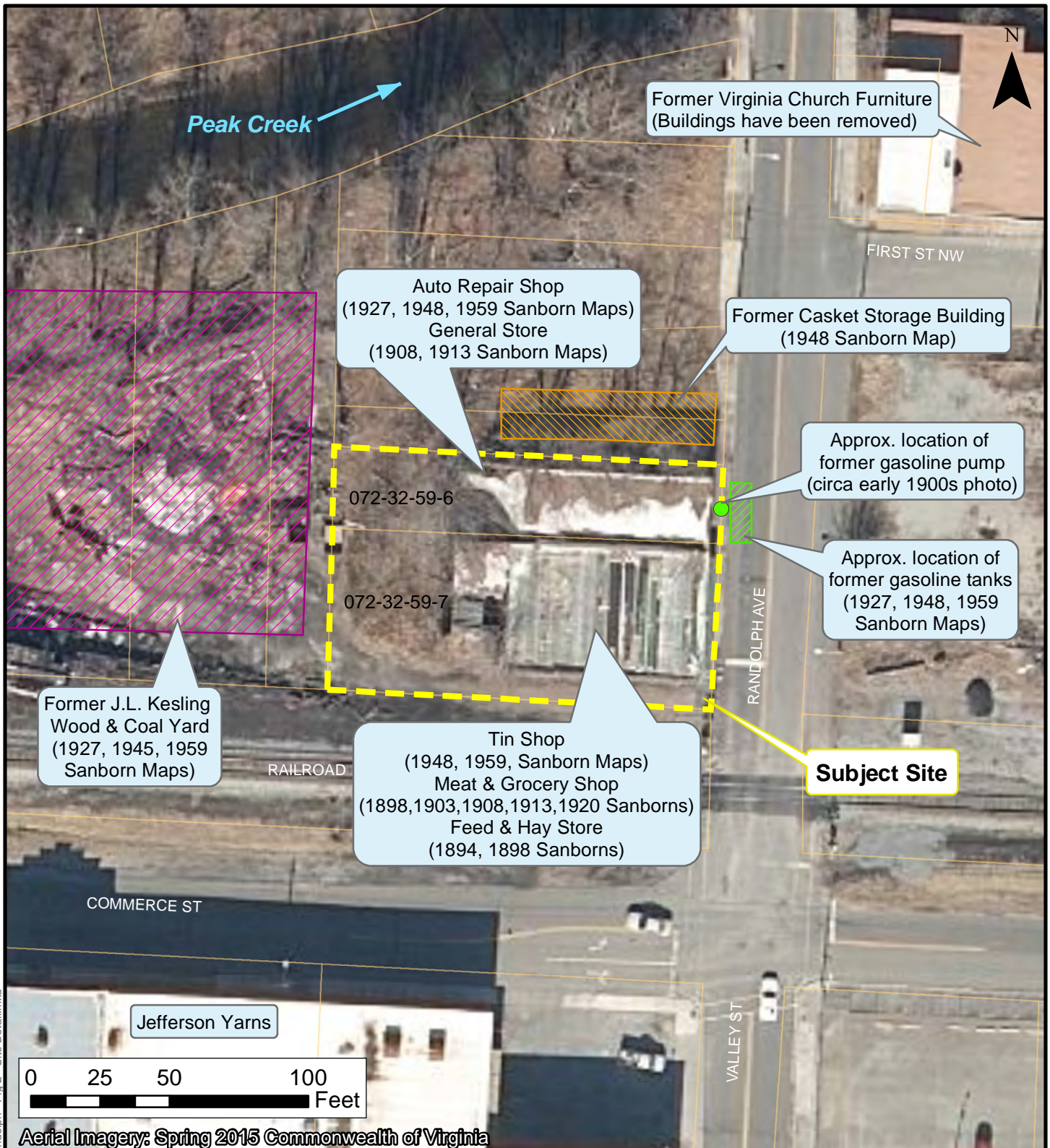
Richmond, VA
Charlottesville, VA
Hampton Roads, VA

Raleigh, NC
Fayetteville, NC
Northern Virginia

DESIGNED: RGM
DRAWN: WMD
CHECKED: JCF
DATE: 7-31-17

FIGURE

1



Aerial Imagery: Spring 2015 Commonwealth of Virginia

Site Detail Map

Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue, Town of Pulaski, Virginia

SCALE: 1" = 50'

PROJECT: B07226-05



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2206 South Main Street
Blacksburg, VA 24060
540-552-0444 Fax: 540-552-0291

Richmond, VA
Charlottesville, VA
Hampton Roads, VA
Raleigh, NC
Fayetteville, NC
Northern Virginia

DESIGNED: RGM
DRAWN: WMD
CHECKED: JCF
DATE: 8-08-17

FIGURE

2



Site Setting Map

Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue, Town of Pulaski, Virginia

SCALE 1" = 250'

PLAN NO. B07226-05



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Blacksburg, VA 24060
540-552-0444 Fax: 540-552-0291

Richmond, VA
Charlottesville, VA
Hampton Roads, VA

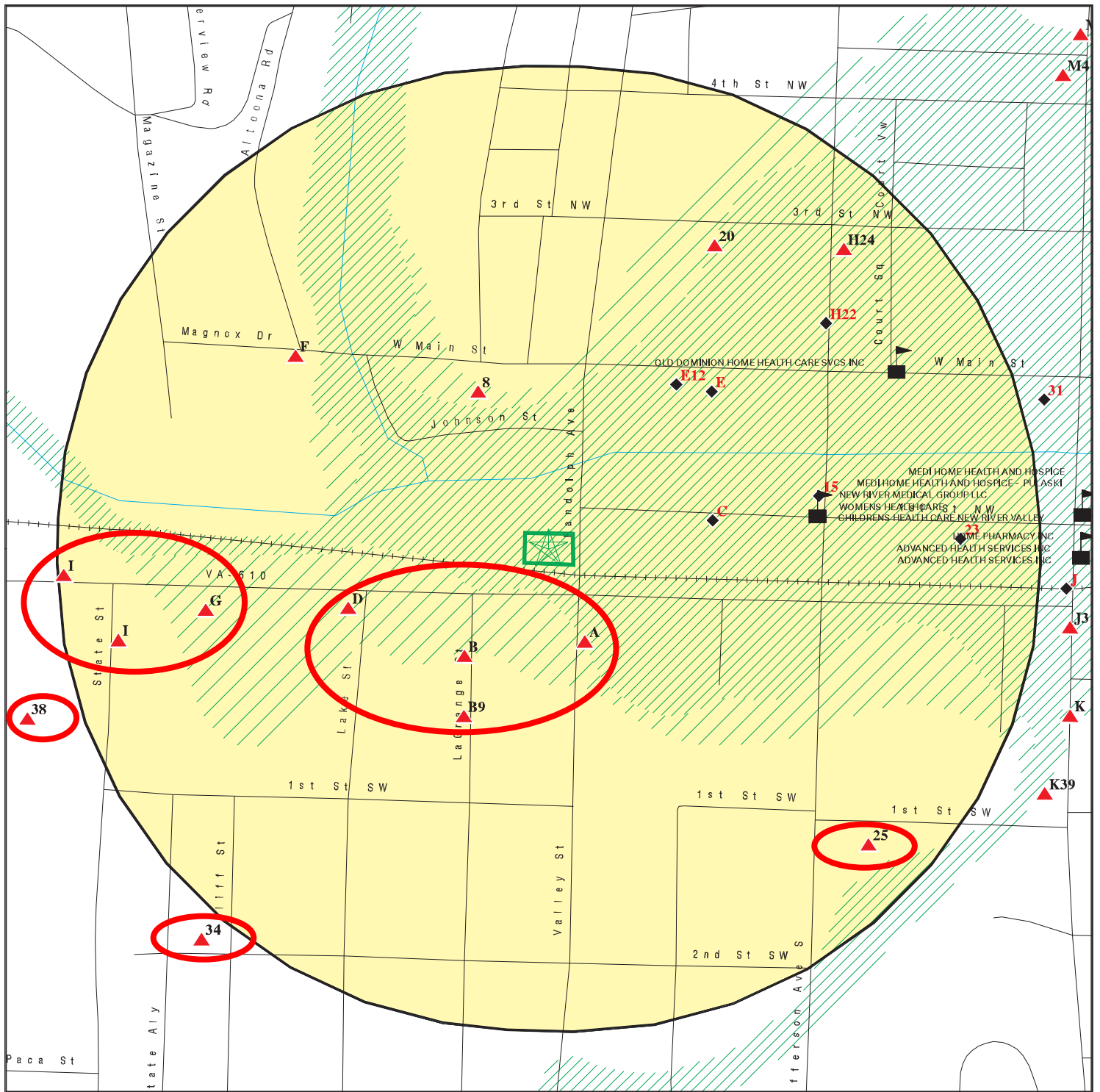
Raleigh, NC
Fayetteville, NC
Northern Virginia

DESIGNED
DRAWN
CHECKED
DATE

RGM
WMD
JCF
8-08-17

FIGURE
3

DETAIL MAP - 5002441.2S



- 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
- Denotes RECs

- Indian Reservations BIA
- 100-year flood zone
- 500-year flood zone

**Figure 5 -
Regulatory
Database RECs**

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: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski VA 24301
LAT/LONG: 37.046441 / 80.785081

CLIENT: Draper, Aden Associates
CONTACT: Ross Miller
INQUIRY #: 5002441.2s
DATE: July 25, 2017 9:48 am

This Phase I ESA includes the following attachments:

APPENDIX A

Site Photographs

APPENDIX B

Historical Research Documentation

EDR Aerial Photo Decade Package

EDR Building Permit Report

EDR Certified Sanborn Map Report

EDR Environmental Lien Search Report

EDR Historical Topo Map Report

EDR Property Tax Map Report

Interviews and Questionnaires

APPENDIX C

Regulatory Records Documentation and Physical Setting Sources

EDR Radius Map Report with GeoCheck

FEMA Map

VDEQ Impaired Waters Map

USDA Soil Survey

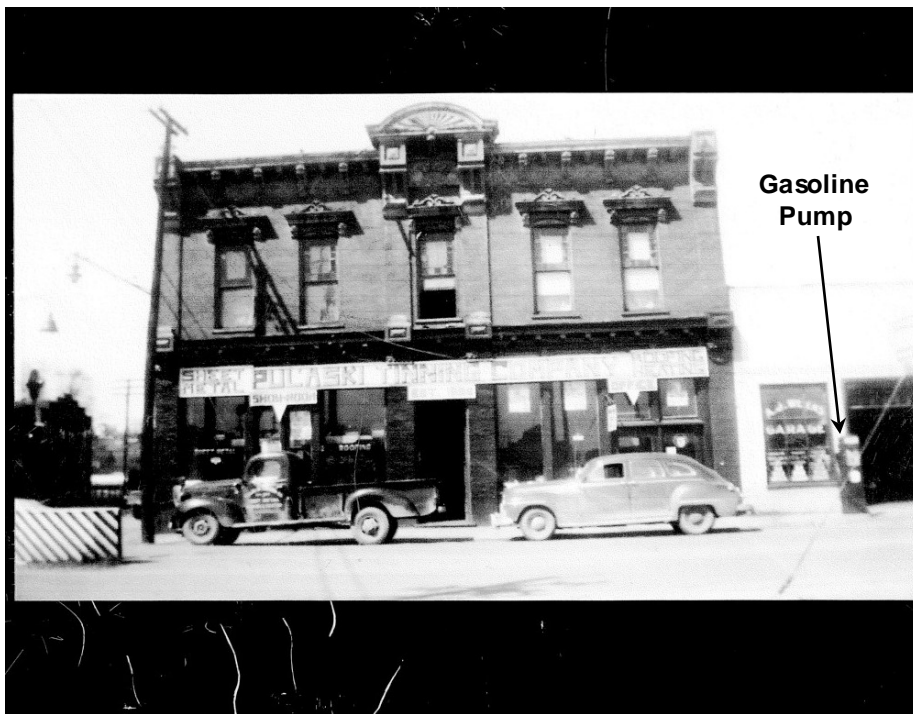
APPENDIX D

Results of Asbestos and Lead-Based Paint Survey

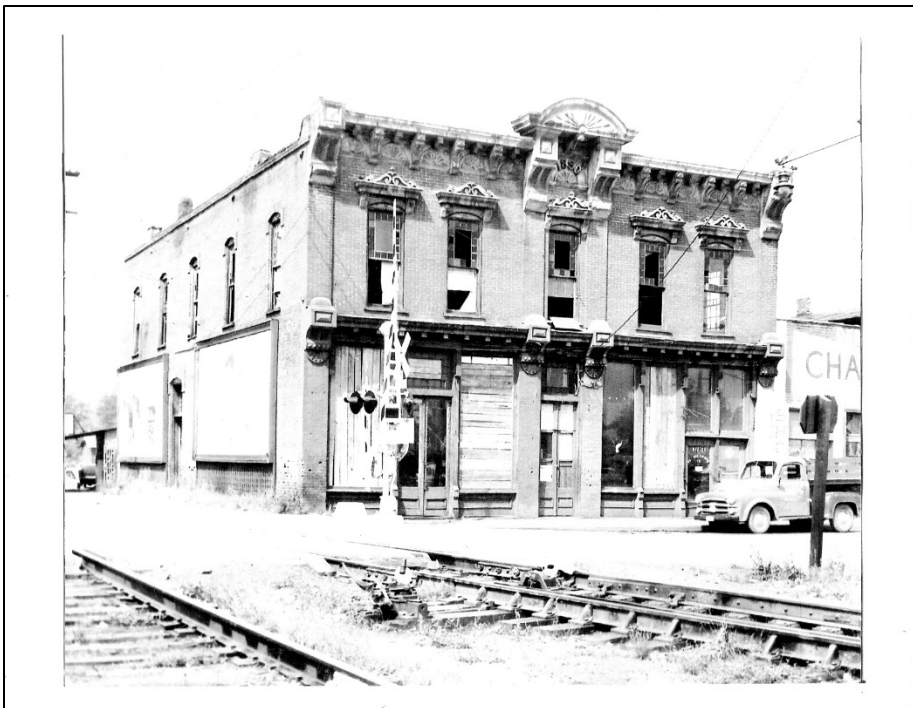
APPENDIX E

Qualifications of Environmental Professionals

APPENDIX A
Site Photographs



PHOTOGRAPH 1. Circa early 1900's. View of east side of subject property, facing west from across Randolph Avenue. Subject property occupied by Pulaski Tinning Company (two-story building) and an automotive garage (one-story addition to right of two story building). Note gasoline pump in front of automotive garage.



PHOTOGRAPH 2. Circa mid 1900's. View of south and east sides of subject property, facing northwest from across Randolph Avenue. Note date of "1890" on center-top of two-story building.



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**Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05**



PHOTOGRAPH 3. July 2017. View of east side of subject property, facing west from across Randolph Avenue.



PHOTOGRAPH 4. View of south side of subject property, facing northeast from southwest property corner. Note partial walls of former wooded structure behind Main Building.



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Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05



PHOTOGRAPH 5. View of west side of subject property, facing east from west adjacent property (vacant lot). Note overgrown vegetation, partial walls of former wooden structure behind Main Building, and rear bay door of Former Auto Repair Garage.

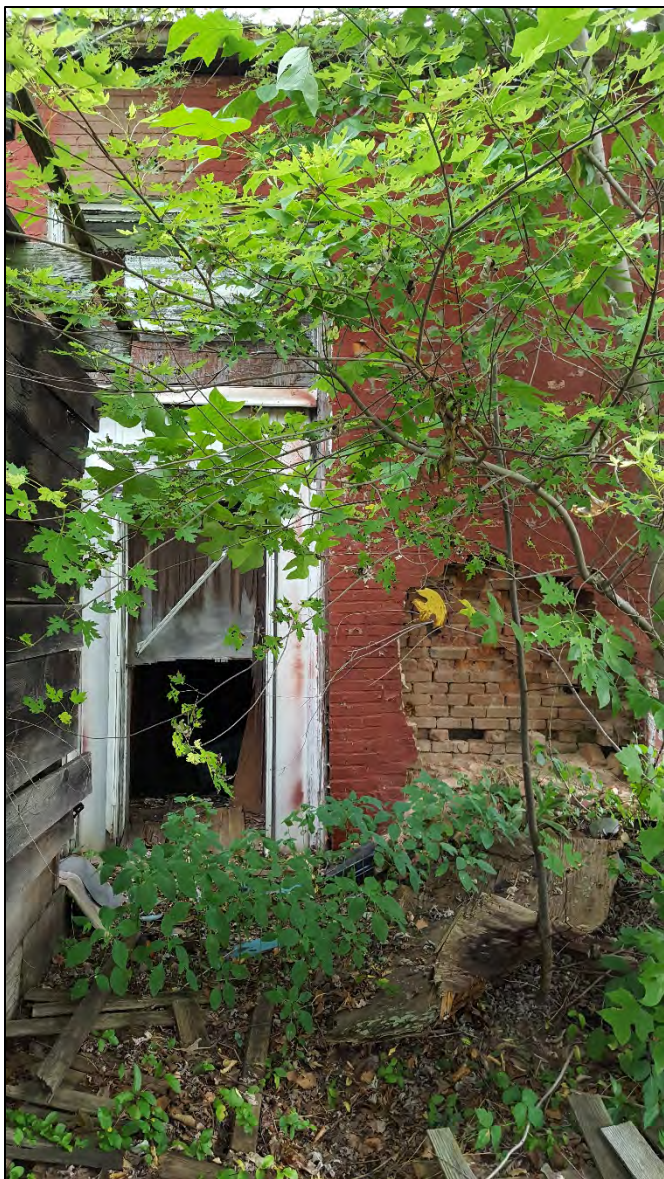


PHOTOGRAPH 6. Rusted 55-gallon drum (contents unknown) in overgrown vegetated area behind Main Building.



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Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05



PHOTOGRAPH 7. View of partially collapsed rear doorway in western wall of Main Building.



PHOTOGRAPH 8. View of collapsed interior of Main Building from rear doorway.



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Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05



PHOTOGRAPH 9. View of north side of subject property, facing south from north adjacent property (vacant lot). Note overgrown vegetation covering north wall of Former Auto Repair Garage.



PHOTOGRAPH 10. View of exterior north wall of Former Auto Repair Garage. View from north adjacent property (vacant lot). Note metal pipe chimney.



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Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05



PHOTOGRAPH 11. Interior of front room of Former Auto Repair Garage. Note assorted refuse and debris, including (but not limited to) rusted 35-gallon steel drum (contents unknown) in foreground and paint thinner container.



PHOTOGRAPH 12. Interior of middle room of Former Auto Repair Garage. Note assorted refuse and debris. Note sagging ceiling and water-damaged walls. View of collapsed rear room through opening in rear (western) wall of middle room.



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Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05



PHOTOGRAPH 13. Adjacent vacant property to west of subject property. View from southwest corner of subject property. Note burned remains of wooden structures.



PHOTOGRAPH 14. Adjacent property (Norfolk Southern Railroad right-of-way) to south of subject property. View from southeast corner of subject property. Former Jefferson Yarns Hill Plant located to south of railroad right-of-way across Commerce Street.



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**Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05**



PHOTOGRAPH 15. Adjacent property (Norfolk Southern Railroad right-of-way) to southeast of subject property. View from southeast corner of subject property. Former Jefferson Yarns Main Plant located to southeast of railroad right-of-way across Commerce Street.



PHOTOGRAPH 16. Adjacent property (gravel-covered parking area) to east of subject property across Randolph Avenue. View from east side of subject property in front of Former Auto Repair Garage.



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**Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05**



PHOTOGRAPH 17. View facing north along Randolph Avenue from northeast corner of subject property.



PHOTOGRAPH 18. Adjacent vacant property and vicinity properties to north of subject property. View from northeast corner of subject property. Note locked wooden structure of unknown use on vicinity property to north of subject property; two vacant parcels are located between this structure and subject property.



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**Phase I Environmental Site Assessment
Former Barrett Store
15 Randolph Avenue
Pulaski, Virginia
Draper Aden Associates JN: B07226-05**

APPENDIX B

Historical Research Documentation

EDR Aerial Photo Decade Package

EDR Building Permit Report

EDR Certified Sanborn Map Report

EDR Environmental Lien Search Report

EDR Historical Topo Map Report

EDR Property Tax Map Report

Interviews and Questionnaires



Former Barretts Store

15 Randolph Avenue

Pulaski, VA 24301

Inquiry Number: 5002441.12

July 25, 2017

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

07/25/17

Site Name:

Former Barretts Store
15 Randolph Avenue
Pulaski, VA 24301
EDR Inquiry # 5002441.12

Client Name:

Draper, Aden Associates
2206 South Main Street
Blacksburg, VA 24060
Contact: Ross Miller



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2001	1"=500'	Acquisition Date: April 23, 2001	USGS/DOQQ
1999	1"=750'	Flight Date: May 02, 1999	USGS
1990	1"=750'	Flight Date: April 27, 1990	USGS
1982	1"=500'	Flight Date: April 01, 1982	USDA
1976	1"=500'	Flight Date: February 12, 1976	USGS
1970	1"=500'	Flight Date: May 19, 1970	USGS
1963	1"=750'	Flight Date: March 18, 1963	USGS
1960	1"=500'	Flight Date: October 13, 1960	USGS
1956	1"=500'	Flight Date: October 08, 1956	USGS
1951	1"=500'	Flight Date: October 09, 1951	USGS
1949	1"=500'	Flight Date: March 29, 1949	USGS

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INQUIRY #: 5002441.12

YEAR: 2012

— = 500'





INQUIRY #: 5002441.12

YEAR: 2011

— = 500'



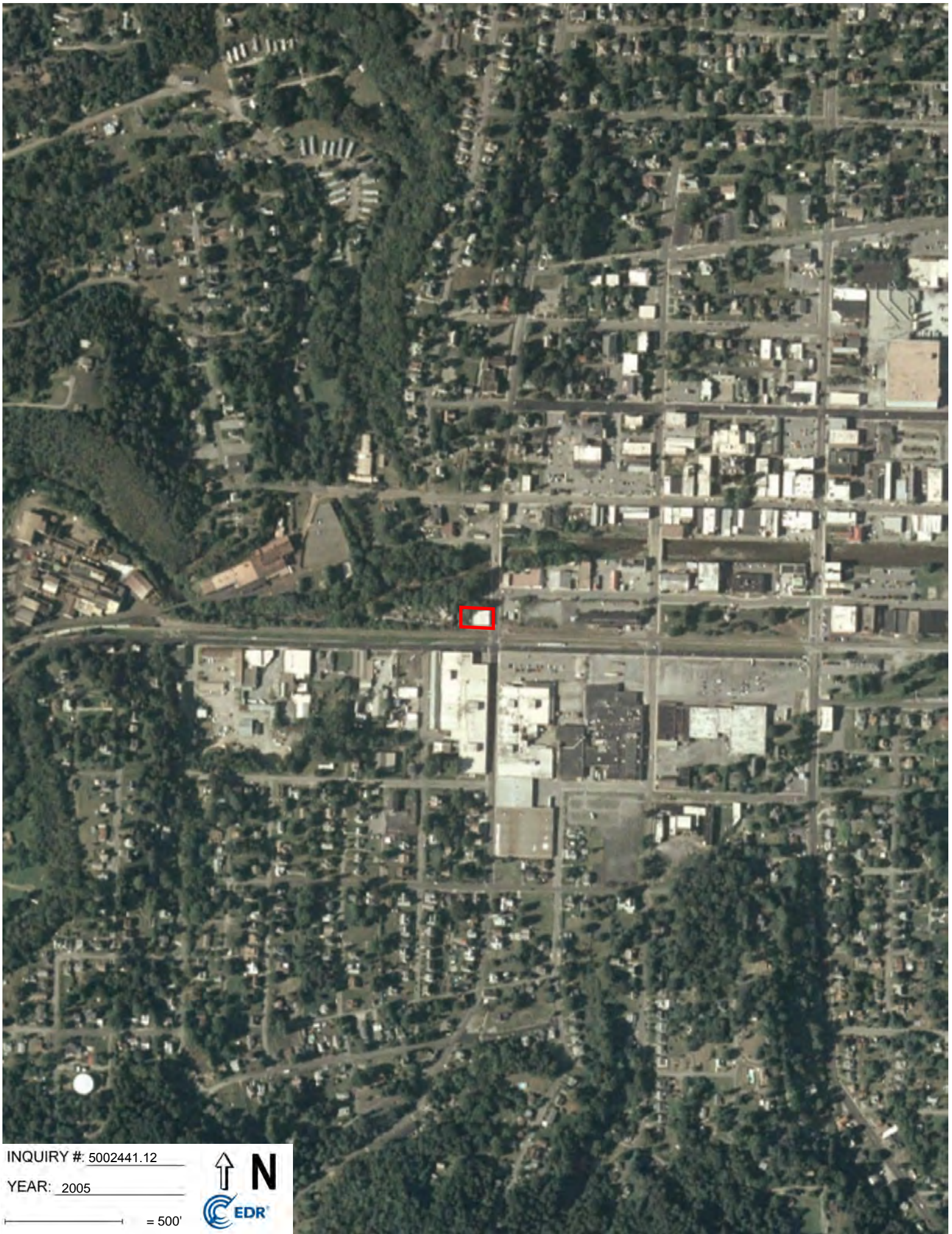


INQUIRY #: 5002441.12

YEAR: 2009

— = 500'





INQUIRY #: 5002441.12

YEAR: 2005

— = 500'





INQUIRY #: 5002441.12

YEAR: 2001

— = 500'





INQUIRY #: 5002441.12

YEAR: 1999

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5002441.12

YEAR: 1990

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5002441.12

YEAR: 1982

— = 500'





INQUIRY #: 5002441.12

YEAR: 1976

— = 500'





INQUIRY #: 5002441.12

YEAR: 1970

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

3-18-63



INQUIRY #: 5002441.12

YEAR: 1963

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5002441.12

YEAR: 1960

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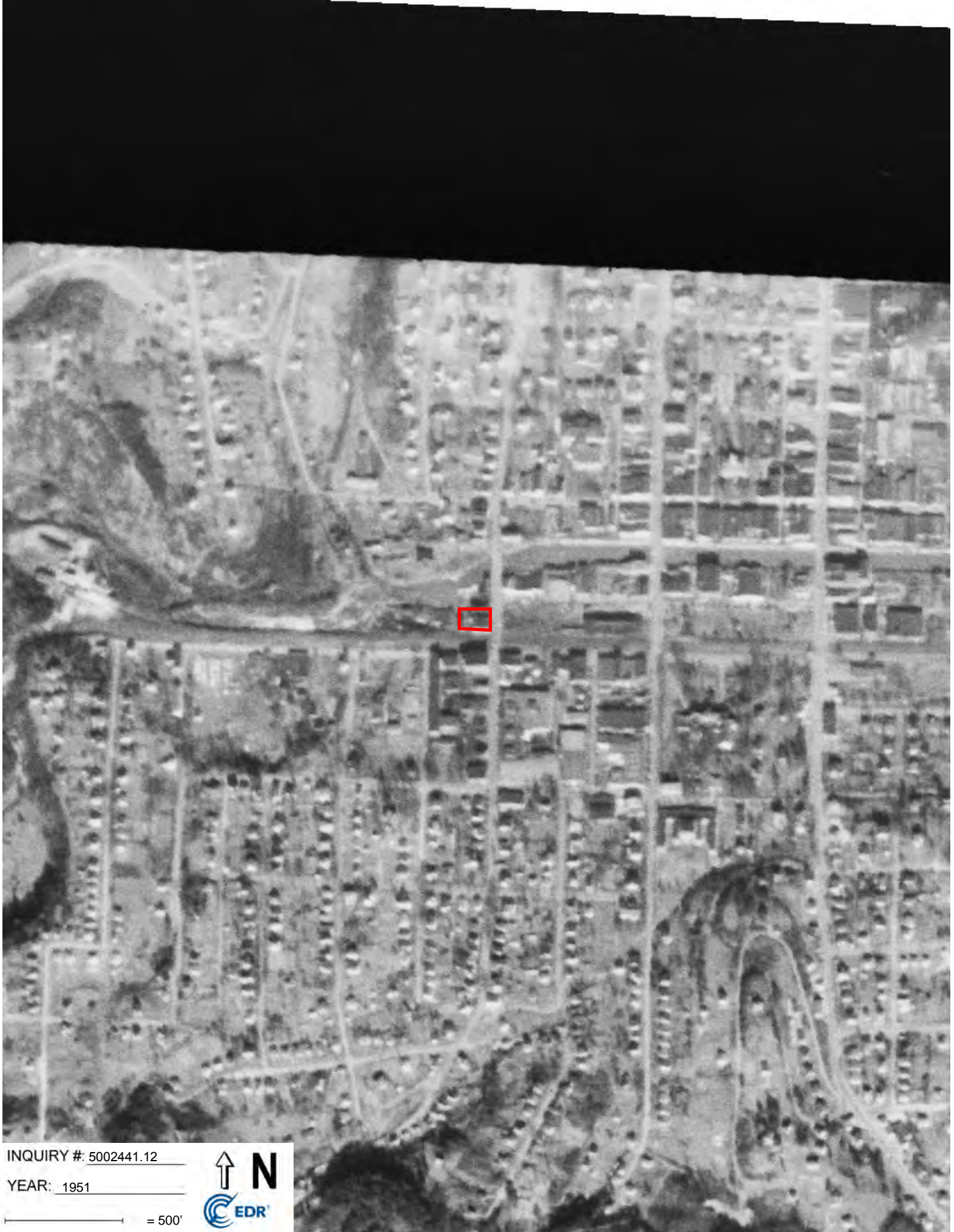


INQUIRY #: 5002441.12

YEAR: 1956

— = 500'





INQUIRY #: 5002441.12

YEAR: 1951

500'





INQUIRY #: 5002441.12

YEAR: 1949

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

Former Barretts Store

15 Randolph Avenue
Pulaski, VA 24301

Inquiry Number: 5002441.8
July 25, 2017

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

7/25/17

Site Name:

Former Barretts
15 Randolph
Pulaski, VA 24301

Client Name:

Draper, Aden Associates
2206 South Main Street
Blacksburg, VA 24060

EDR Inquiry # 5002441.8

Contact: Ross Miller

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 7/25/17, EDR does not have access to building permits in the city where your target property is located (Pulaski, VA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.





Former Barretts Store

15 Randolph Avenue

Pulaski, VA 24301

Inquiry Number: 5002441.3

July 25, 2017

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

07/25/17

Site Name:

Former Barretts Store
15 Randolph Avenue
Pulaski, VA 24301
EDR Inquiry # 5002441.3

Client Name:

Draper, Aden Associates
2206 South Main Street
Blacksburg, VA 24060
Contact: Ross Miller



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

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

Certified Sanborn Results:

Certification # 91CC-4C7F-8F7D
PO # B07226-05
Project Former Barretts Store

Maps Provided:

1959 1894
1948
1927
1920
1913
1908
1903
1898



Sanborn® Library search results

Certification #: 91CC-4C7F-8F7D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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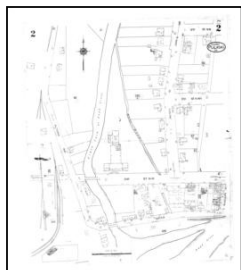
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Sanborn Sheet Key

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1959 Source Sheets



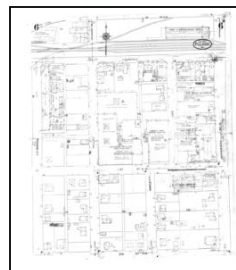
Volume 1, Sheet 2
1959



Volume 1, Sheet 3
1959

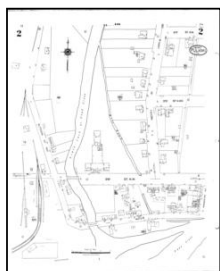


Volume 1, Sheet 12
1959



Volume 1, Sheet 6
1959

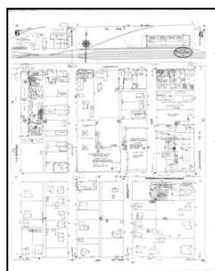
1948 Source Sheets



Volume 1, Sheet 2
1948



Volume 1, Sheet 3
1948

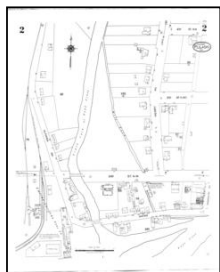


Volume 1, Sheet 6
1948



Volume 1, Sheet 12
1948

1927 Source Sheets



Volume 1, Sheet 2
1927



Volume 1, Sheet 3
1927



Volume 1, Sheet 6
1927

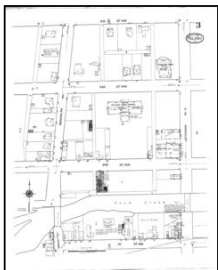


Volume 1, Sheet 12
1927

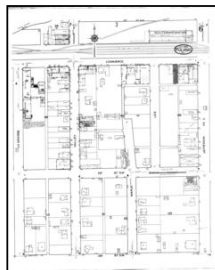
1920 Source Sheets



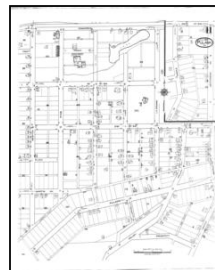
Volume 1, Sheet 2
1920



Volume 1, Sheet 3
1920



Volume 1, Sheet 6
1920



Volume 1, Sheet 11
1920

Sanborn Sheet Key

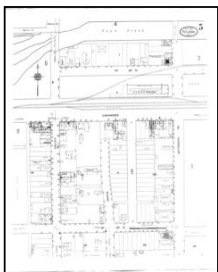
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1913 Source Sheets



Volume 1, Sheet 4
1913

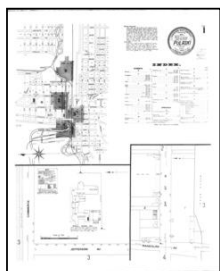


Volume 1, Sheet 5
1913

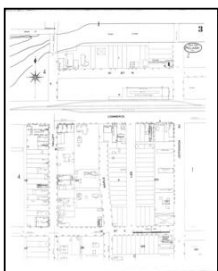


Volume 1, Sheet 6
1913

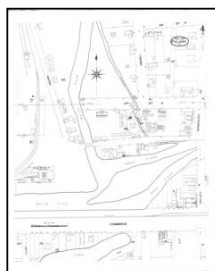
1908 Source Sheets



Volume 1, Sheet Keymap/Sheet 1
1908

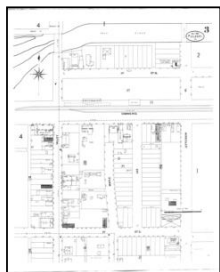


Volume 1, Sheet 3
1908



Volume 1, Sheet 4
1908

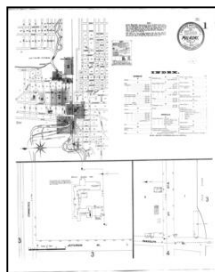
1903 Source Sheets



Volume 1, Sheet 3
1903

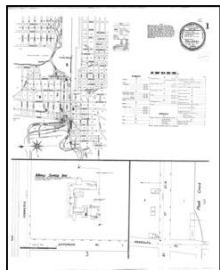


Volume 1, Sheet 4
1903



Volume 1, Sheet Keymap/Sheet 1
1903

1898 Source Sheets



Volume 1, Sheet Keymap/Sheet 1
1898



Volume 1, Sheet 3
1898



Volume 1, Sheet 4
1898

Sanborn Sheet Key

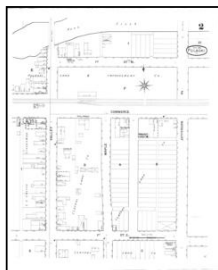
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



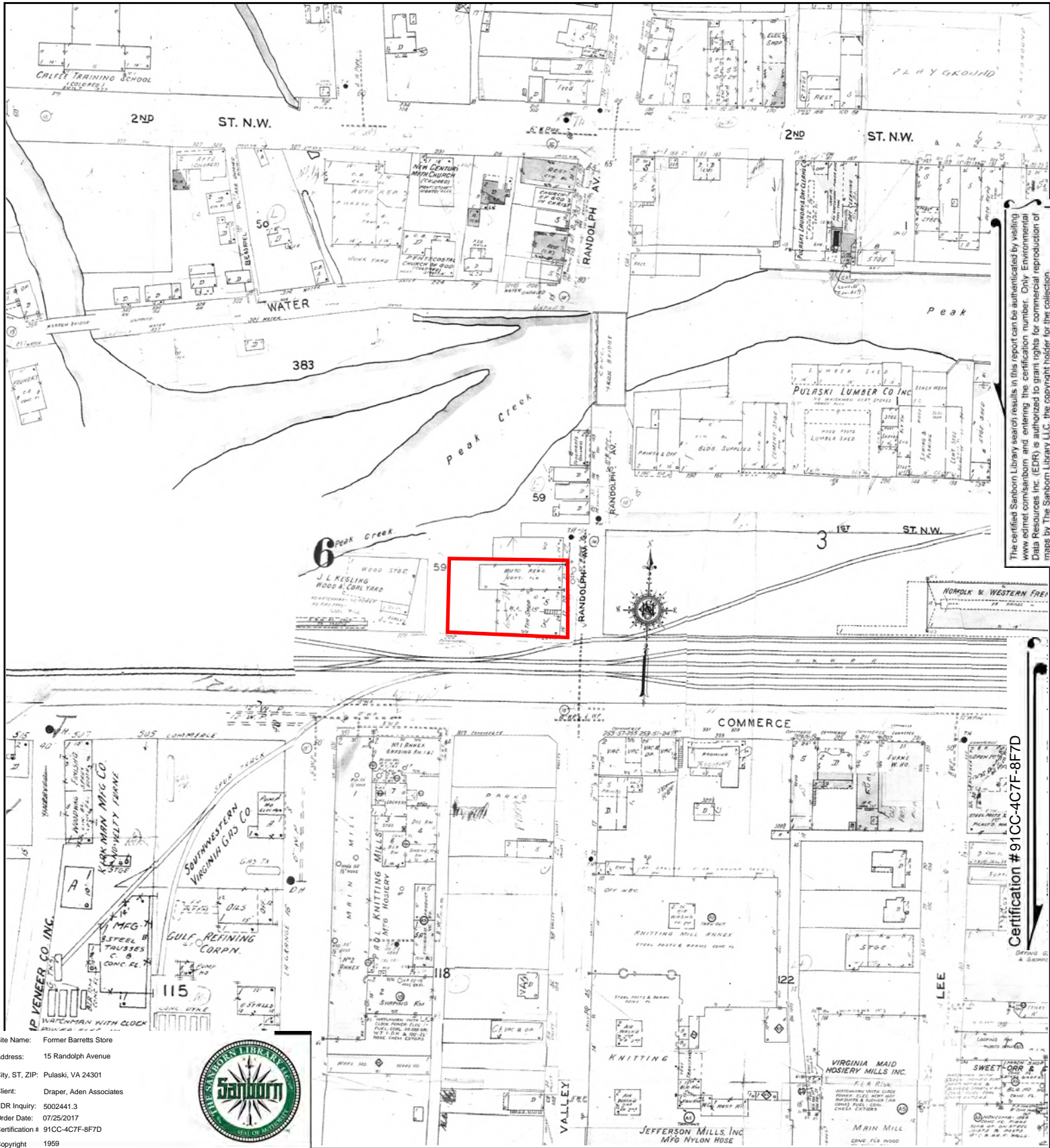
1894 Source Sheets



Volume 1, Sheet 1
1894



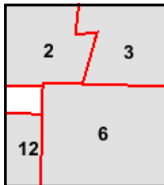
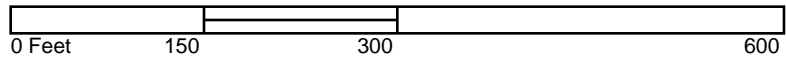
Volume 1, Sheet 2
1894



Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright: 1959

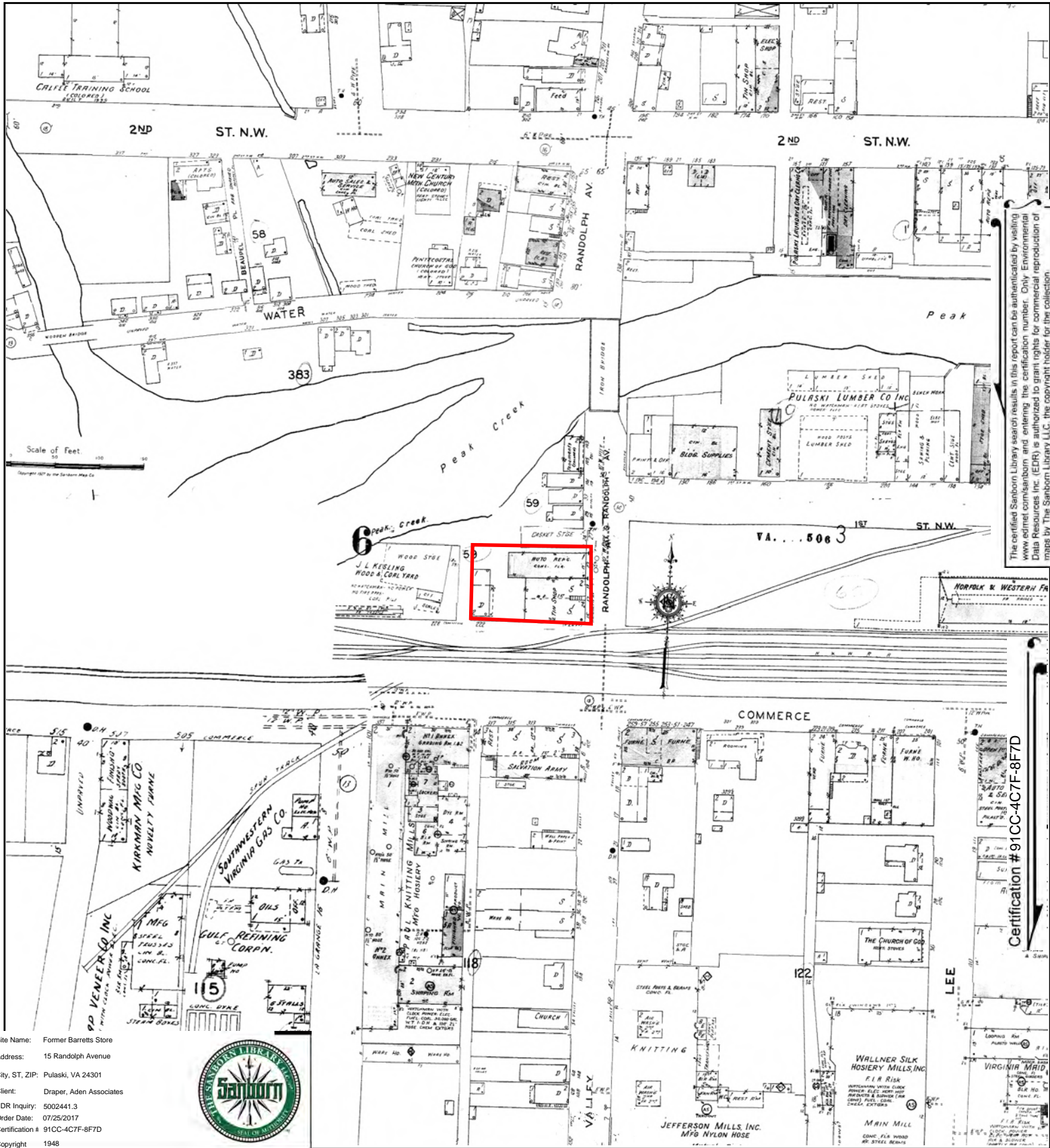


This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 6
 Volume 1, Sheet 12
 Volume 1, Sheet 3
 Volume 1, Sheet 2

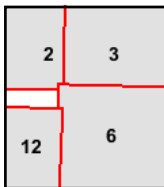
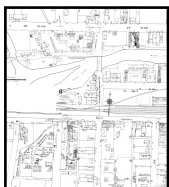
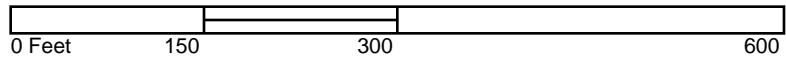




Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright: 1948

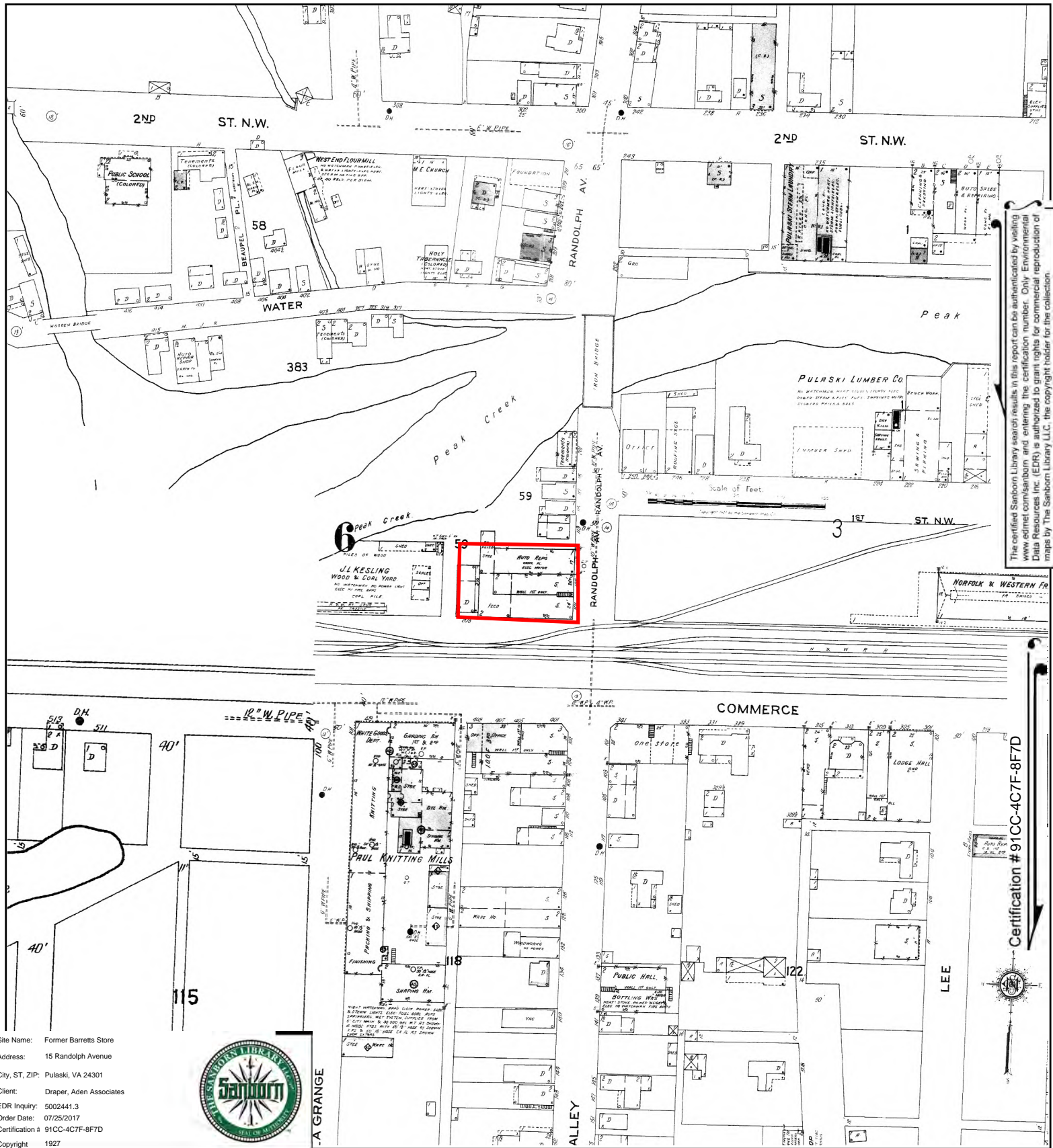


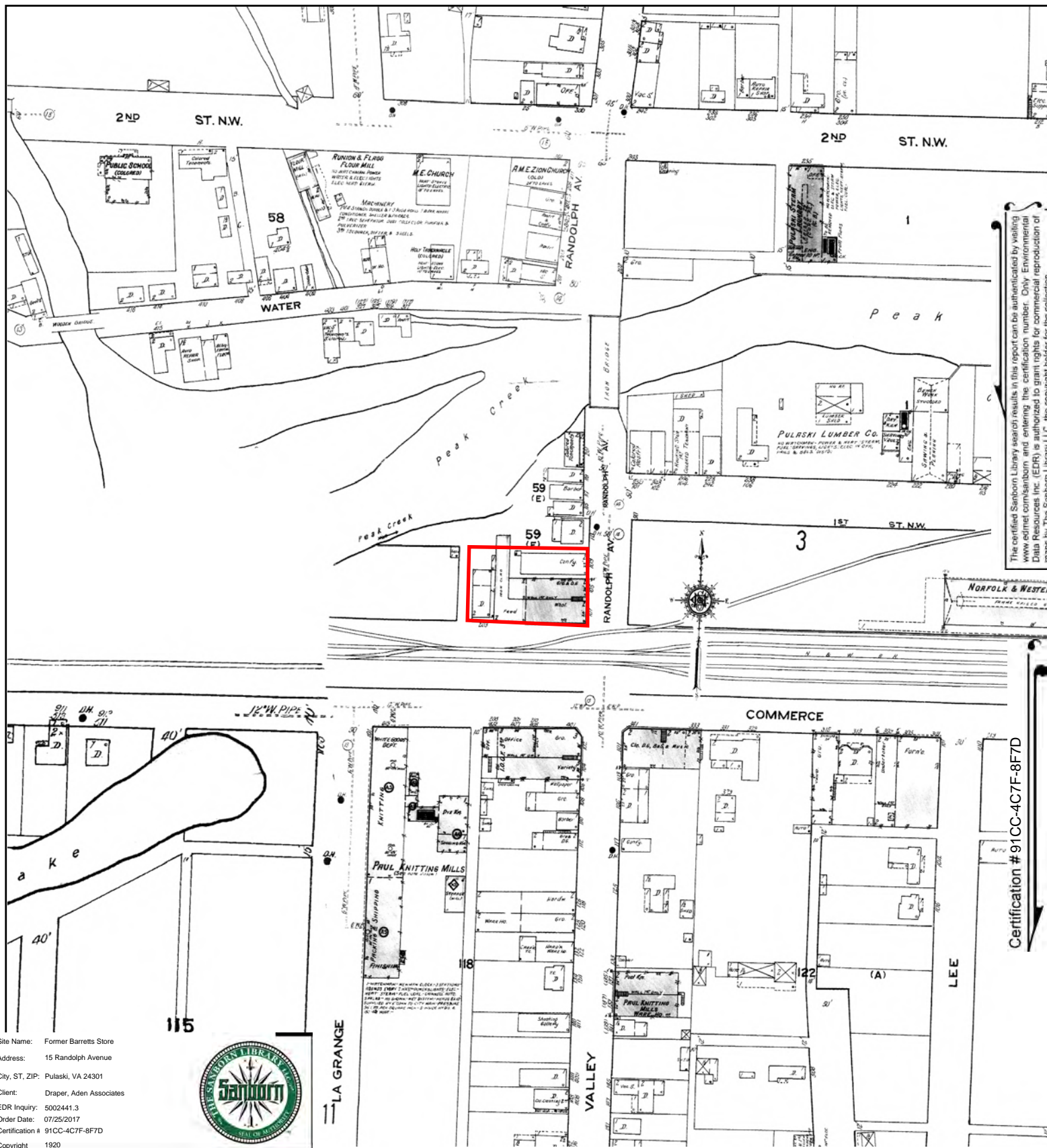
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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 12
 Volume 1, Sheet 6
 Volume 1, Sheet 3
 Volume 1, Sheet 2



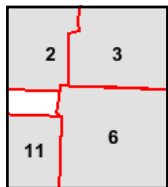
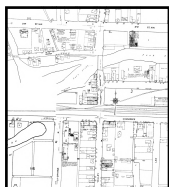
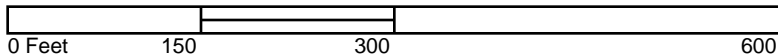




Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright 1920

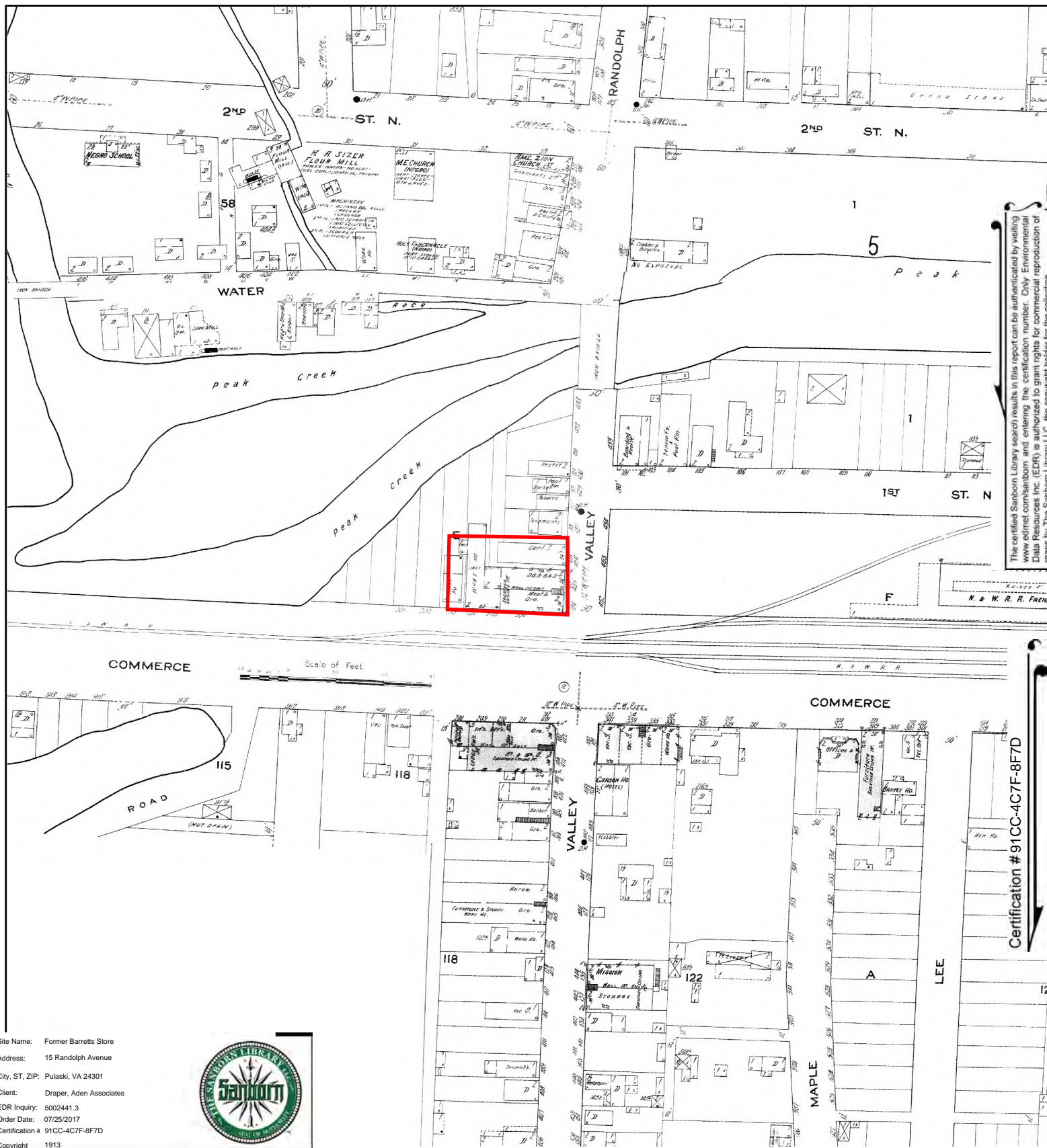


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Volume 1, Sheet 11
 Volume 1, Sheet 6
 Volume 1, Sheet 3
 Volume 1, Sheet 2

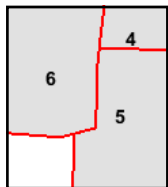




Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright: 1913



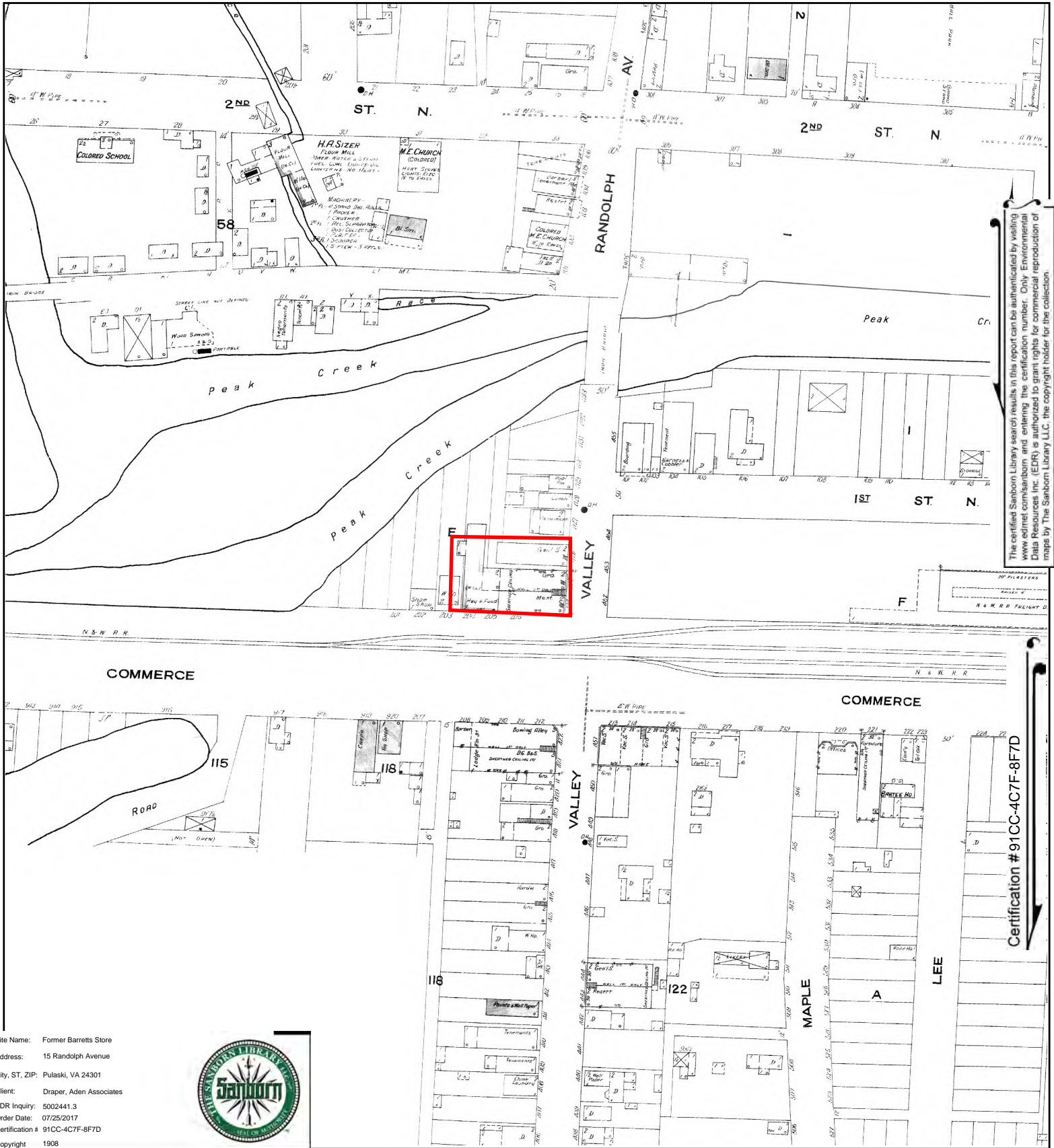
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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 6
 Volume 1, Sheet 5
 Volume 1, Sheet 4

0 Feet 150 300 600





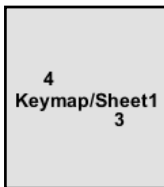
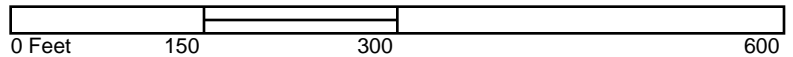
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Certification #91CC-4C7F-8F7D

Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright: 1908

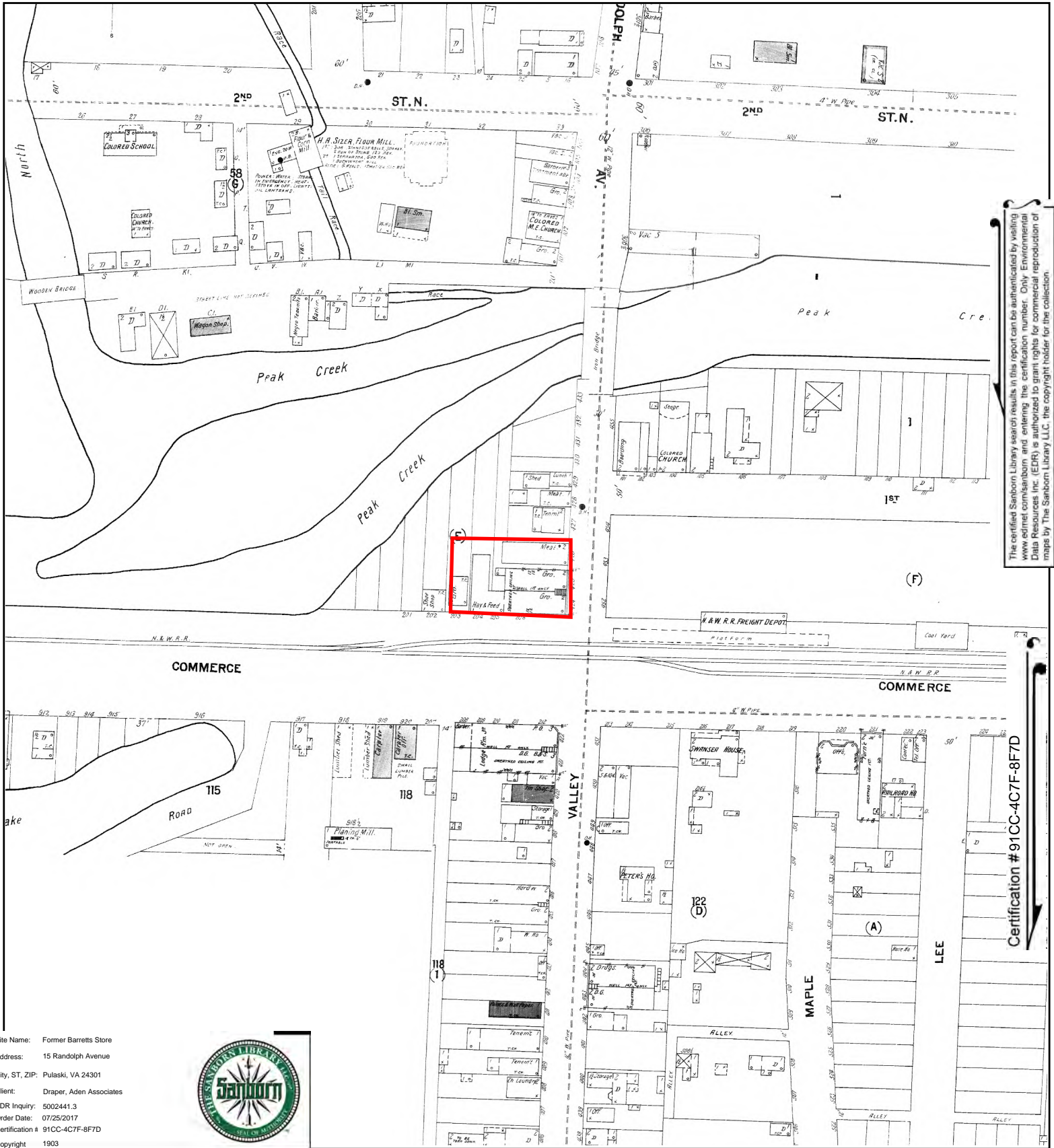


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Volume 1, Sheet 4
 Volume 1, Sheet 3
 Volume 1, Sheet Keymap/Sheet1

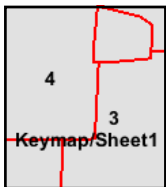
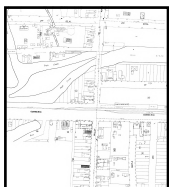
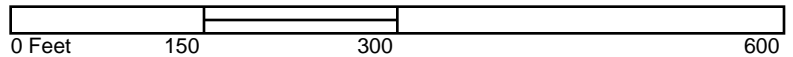




Site Name: Former Barretts Store
 Address: 15 Randolph Avenue
 City, ST, ZIP: Pulaski, VA 24301
 Client: Draper, Aden Associates
 EDR Inquiry: 5002441.3
 Order Date: 07/25/2017
 Certification #: 91CC-4C7F-8F7D
 Copyright: 1903



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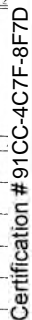


Volume 1, Sheet Keymap/Sheet1
 Volume 1, Sheet 4
 Volume 1, Sheet 3

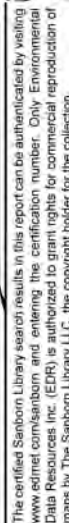
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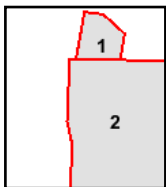




4
Keymap/Sheet1
3



A horizontal number line representing distance in feet. The line starts at 0 and ends at 600. Major tick marks are labeled at 0, 150, 300, and 600. There are two horizontal brackets above the line. The first bracket spans from 0 to 150 and is labeled "150 feet". The second bracket spans from 150 to 300 and is also labeled "150 feet". A third bracket spans from 300 to 600 and is labeled "300 feet".



FORMER BARRETTS STORE
15 RANDOLPH AVENUE
PULASKI, VA 24301

Inquiry Number: 5002441.7S
AUGUST 15, 2017

EDR Environmental Lien and AUL Search



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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search 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.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

FORMER BARRETTS STORE
15 RANDOLPH AVENUE
PULASKI, VA 24301

RESEARCH SOURCE

Source 1: PULASKI COUNTY RECORDER OF DEEDS

Source 2: VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	RICHARD L. JOHNSTON AND BETTY D. JOHNSTON
Title received from:	WANDA L. BARRETT
Date Executed:	04/24/1986
Date Recorded:	04/24/1986
Book:	411
Page:	570
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	LIST OF HEIRS/REAL ESTATE AFFIDAVIT FILED 03/27/2008 IN 08000074 REMOVES RICHARD L. JOHNSTON FROM TITLE
Miscellaneous Comments:	NA

Legal Description: AS RECORDED IN THE DEED BELOW

Current Owner: BETTY D. JOHNSTON

Property Identifiers: 072-032-0059-0006

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If Found:

1st Party: NA

2nd Party: NA

Dated: NA

Recorded: NA

Book: NA

Page: NA

Docket: NA

Volume: NA

Instrument #: NA

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

If Found:

1st Party: NA

2nd Party: NA

Dated: NA

Recorded: NA

Book: NA

Page: NA

Docket: NA

Volume: NA

Instrument #: NA

Comments:

Miscellaneous:

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Type of Instrument: NONE IDENTIFIED

1st Party:

2nd Party:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

EDR Environmental Lien and AUL Search

DEED EXHIBIT

BOOK 0411 PAGE 0570

Examined and Delivered
To *Richard L. Johnston*
April 23 1986
Mary Johnston Clerk

THIS DEED made and entered into this 24 day of April, 1986, by and between WANDA L. BARRETT, unmarried, party of the first part, GRANTOR, and RICHARD L. JOHNSTON and BETTY D. JOHNSTON, husband and wife, tenants by the entireties with right of survivorship as at common law, parties of the second part, GRANTEES.

W I T N E S S E T H :

THAT FOR and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid by GRANTEES to GRANTOR, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, GRANTOR does hereby bargain, sell, grant and convey, with Modern English Covenants and General Warranty of Title, unto Richard L. Johnston and Betty D. Johnston, his wife, as tenants by the entireties with right of survivorship; that is to say, that should either of GRANTEES predecease the other, then and in that event, the entire interest of every kind and description in said property shall pass to and be vested in the survivor, all those certain lots or parcels of real property, together with all improvements and appurtenances thereunto belonging, situate on the west side of Randolph Avenue in Robinson Magisterial District in the Town and County of Pulaski, and more particularly described as follows, to-wit:

BEGINNING at the northwest intersection of Randolph Avenue and the Norfolk Southern Railroad right-of-way, thence with the north line of said right-of-way North 88°00' West 125.00' to a point marked by an iron rod; thence N 02° 00' East 120.02' to a point marked by an iron rod; thence S 88° 00' E 55.00' to a point marked by an iron rod; thence S 02° 00' West 8.96' to a point marked by an iron rod; thence S 88° 00' East 70.00' to a point marked by an iron rod; thence S 02° 00' West 10.00' to a point marked by an iron rod; thence N 88° 00' West 70.00' to a point marked by an iron rod; thence S 02° 00' West 25.00' to a point marked by an iron rod; thence S 88° 00' East 70.00' to a point marked by an iron rod; thence S 02° 00' West 76.06' to a point marked by a railroad spike and being the point and place of BEGINNING. All as more fully described

ELMER, BADLER,
IAN, BUTTERLAND
& BUTTON
ATTORNEYS AT LAW
PULASKI
LANSBURY - GALAXY
VIRGINIA

P.O. Box 1572
Pulaski, Va.

on a plat entitled "Physical Survey for Richard L. Johnson of 12,625 sq. ft. lot in Block 59 as shown on the Official Map of the Town of Pulaski, Pulaski, County, Virginia" dated April 17, 1986 and prepared by Neal H. Wirt, Land Surveyor.

AND BEING the same lots or parcels of real property which were conveyed to Douglas W. Barrett from Hastwell J. Sizer, et al., by deed dated the 6th day of August, 1974 and recorded in the Clerk's Office of the Circuit Court of Pulaski County, Virginia in Deed Book 299, page 478. Said Douglas W. Barrett died in testate on October 7, 1985 survived by his spouse, Wanda K. Barrett, GRANTOR herein, who is the sole heir of Douglas W. Barrett, and the sole owner of the above described real property.

It is further understood and agreed that this conveyance is made subject to all the conditions and covenants set out and contained in that certain deed dated May 31, 1924, between William Travis and Mary A. Travis, parties of the first part and H. A. Sizer, party of the second part, of record in the aforesaid Clerk's Office in Deed Book 49, page 289, said deed providing for the joint use of a ten-foot strip of land lying immediately north of Lot 5 on Randolph Avenue and a five-foot strip of land lying on the southern boundary line of Lot 5 and northern boundary line of Lot 6, to all of which reference is here made for a more complete description.

TO HAVE AND TO HOLD said lot or parcel of land together with all the appurtenances and easements thereunto belonging unto GRANTEES, their heirs, successors and assigns forever.

WITNESS the following signatures and seals the day and year first above written.

HELMER, RADLER,
RAM, SUTHERLAND
& EUTTON
ATTORNEYS AT LAW
PULASKI
CLARENCEBURG - GALAXY,
VIRGINIA

Wanda L. Barrett (SEAL)
Wanda L. Barrett

BOOK 0411 PAGE 0572

STATE OF VIRGINIA


COUNTY OF PULASKI, to-wit:

I, Sharon B. Webb, a Notary Public in
and for the State and County aforesaid, do hereby certify that
Wanda L. Barrett, whose name is signed to the
foregoing deed bearing date on the 24th day of April,
1986, each this day personally appeared before me and acknow-
ledged the same.

Given under my hand this 24th day of April, 1986.

My Commission expires: March 27, 1990.

Sharon B. Webb
Notary Public



VIRGINIA: In the Clerk's Office of the Circuit Court of Pulaski County.
This instrument, with the certificate of acknowledgement thereto annexed,
is admitted to record at 3:05 o'clock p.m., April 24
1986, after payment of \$ 25.00 tax imposed by Section 58-54.1

Teste: A. Henry Clerk

MR. RADLER,
S. RUTHERLAND
& HUTTON
ATTORNEYS AT LAW
PULASKI
COUNTY - GALLAY,
VIRGINIA

LIST OF HEIRS/REAL ESTATE AFFIDAVIT
COMMONWEALTH OF VIRGINIA

Case No.: NE 2008000074

PULASKI COUNTY

RICHARD L. JOHNSTON

March 8, 2008

Circuit Court

NAME OF DECEDENT

DATE OF DEATH

Betty D. Johnston, 4220 Brookmont Road, Pulaski, VA 24301

NAME AND ADDRESS OF SUBSCRIBER

☒ I have an interest as tenant by entirety/widow in the real property of the decedent; AND/OR

☐ I qualified in _____ as the personal representative of the above-named decedent,

NAME OF COURT

who died intestate as to the real estate described herein, and who, at the time of death, was seized of real property in this county/city, briefly described as held as tenants by the entirety with deceased: Acct 9541, TM 72-22-156-1,2-4; Acct. 2438, TM 72-32-59-6,7,10; Acct 9544, TM 92-1-20E; Acquired as widow, all children also children of widow: Acct 9543, TM 92-1-20D; Acct 9529, TM 71-1-164 & Acct 9523, (listed as Johnston, J. D., Jr., deceased), TM 71-1-165;

The name and last known addresses of the decedent's heirs are:

NAMES OF HEIRS	ADDRESSES	RELATIONSHIP	AGE
Betty D. Johnston	Pulaski, VA	Wife	59

State of VIRGINIA

Betty D. Johnston
SIGNATURE OF SUBSCRIBER
Betty D. Johnston

County of PULASKI

to-wit:

Subscribed and sworn to before me by Betty D. Johnston

this 24th day of March, 2008

My commission expires: July 31, 2009

Notary Registration No. 164562

Notary Public
STATE OF VIRGINIA

VIRGINIA: In the Clerk's Office of the Pulaski Co Circuit Court this 24th day of March, 2008 the foregoing AFFIDAVIT was filed and admitted to record.

Teste: Maatta H. Crewe

CLERK

by [Signature], Deputy Clerk

VIRGINIA
IN THE CLERK'S OFFICE OF
PULASKI COUNTY
MARCH 27, 2008 AT 02:08PM
WILLS/FIDUCIARY
INSTRUMENT #08000074 WAS RECORDED
UPON CERTIFICATION OF ACKNOWLEDGEMENT
THEREBY ANNEXED, ADMITTED TO RECORD.
THE FEE AND TAX OF \$16.00 IMPOSED
BY LAW HAVE BEEN PAID (RCPT 08000003587)
TESTE: MAETTA H CREWE, CLERK

RECORDED BY: TMN

MAETTA H CREWE
CLERK

2008 MAR 27

FORMER BARRETTS STORE
15 RANDOLPH AVENUE
PULASKI, VA 24301

Inquiry Number: 5002441.7S
AUGUST 15, 2017

EDR Environmental Lien and AUL Search



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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search 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.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

FORMER BARRETTS STORE
15 RANDOLPH AVENUE
PULASKI, VA 24301

RESEARCH SOURCE

Source 1: PULASKI COUNTY RECORDER OF DEEDS

Source 2: VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	DEED
Title is vested in:	RICHARD L. JOHNSTON AND BETTY D. JOHNSTON
Title received from:	WANDA L. BARRETT
Date Executed:	04/24/1986
Date Recorded:	04/24/1986
Book:	411
Page:	570
Volume:	NA
Instrument#:	NA
Docket:	NA
Land Record Comments:	LIST OF HEIRS/REAL ESTATE AFFIDAVIT FILED 03/27/2008 IN 08000074 REMOVES RICHARD L. JOHNSTON FROM TITLE
Miscellaneous Comments:	NA

Legal Description: AS RECORDED IN THE DEED BELOW

Current Owner: BETTY D. JOHNSTON

Property Identifiers: 072-032-0059-0007

Comments: NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If Found:

1st Party: NA

2nd Party: NA

Dated: NA

Recorded: NA

Book: NA

Page: NA

Docket: NA

Volume: NA

Instrument #: NA

Comments:

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

If Found:

1st Party: NA

2nd Party: NA

Dated: NA

Recorded: NA

Book: NA

Page: NA

Docket: NA

Volume: NA

Instrument #: NA

Comments:

Miscellaneous:

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Type of Instrument: NONE IDENTIFIED

1st Party:

2nd Party:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

EDR Environmental Lien and AUL Search

DEED EXHIBIT

BOOK 0411 PAGE 0570

Examined and Delivered
To *Richard L. Johnston*
April 23 1986
Mary Johnston Clerk

THIS DEED made and entered into this 24 day of April, 1986, by and between WANDA L. BARRETT, unmarried, party of the first part, GRANTOR, and RICHARD L. JOHNSTON and BETTY D. JOHNSTON, husband and wife, tenants by the entireties with right of survivorship as at common law, parties of the second part, GRANTEES.

W I T N E S S E T H :

THAT FOR and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid by GRANTEES to GRANTOR, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, GRANTOR does hereby bargain, sell, grant and convey, with Modern English Covenants and General Warranty of Title, unto Richard L. Johnston and Betty D. Johnston, his wife, as tenants by the entireties with right of survivorship; that is to say, that should either of GRANTEES predecease the other, then and in that event, the entire interest of every kind and description in said property shall pass to and be vested in the survivor, all those certain lots or parcels of real property, together with all improvements and appurtenances thereunto belonging, situate on the west side of Randolph Avenue in Robinson Magisterial District in the Town and County of Pulaski, and more particularly described as follows, to-wit:

BEGINNING at the northwest intersection of Randolph Avenue and the Norfolk Southern Railroad right-of-way, thence with the north line of said right-of-way North 88°00' West 125.00' to a point marked by an iron rod; thence N 02° 00' East 120.02' to a point marked by an iron rod; thence S 88° 00' E 55.00' to a point marked by an iron rod; thence S 02° 00' West 8.96' to a point marked by an iron rod; thence S 88° 00' East 70.00' to a point marked by an iron rod; thence S 02° 00' West 10.00' to a point marked by an iron rod; thence N 88° 00' West 70.00' to a point marked by an iron rod; thence S 02° 00' West 25.00' to a point marked by an iron rod; thence S 88° 00' East 70.00' to a point marked by an iron rod; thence S 02° 00' West 76.06' to a point marked by a railroad spike and being the point and place of BEGINNING. All as more fully described

ELMER, BADLER,
IAN, BUTTERLAND
& BUTTON
ATTORNEYS AT LAW
PULASKI
LOUISIANA - CALAIS,
VERMONT

P.O. Box 1572
Pulaski, La.

on a plat entitled "Physical Survey for Richard L. Johnson of 12,625 sq. ft. lot in Block 59 as shown on the Official Map of the Town of Pulaski, Pulaski, County, Virginia" dated April 17, 1986 and prepared by Neal H. Wirt, Land Surveyor.

AND BEING the same lots or parcels of real property which were conveyed to Douglas W. Barrett from Hastwell J. Sizer, et al., by deed dated the 6th day of August, 1974 and recorded in the Clerk's Office of the Circuit Court of Pulaski County, Virginia in Deed Book 299, page 478. Said Douglas W. Barrett died in testate on October 7, 1985 survived by his spouse, Wanda K. Barrett, GRANTOR herein, who is the sole heir of Douglas W. Barrett, and the sole owner of the above described real property.

It is further understood and agreed that this conveyance is made subject to all the conditions and covenants set out and contained in that certain deed dated May 31, 1924, between William Travis and Mary A. Travis, parties of the first part and H. A. Sizer, party of the second part, of record in the aforesaid Clerk's Office in Deed Book 49, page 289, said deed providing for the joint use of a ten-foot strip of land lying immediately north of Lot 5 on Randolph Avenue and a five-foot strip of land lying on the southern boundary line of Lot 5 and northern boundary line of Lot 6, to all of which reference is here made for a more complete description.

TO HAVE AND TO HOLD said lot or parcel of land together with all the appurtenances and easements thereunto belonging unto GRANTEES, their heirs, successors and assigns forever.

WITNESS the following signatures and seals the day and year first above written.

HELMER, RADLER,
RAM, SUTHERLAND
& EUTTON
ATTORNEYS AT LAW
PULASKI
CLARENCEBURG - GALAXY,
VIRGINIA

Wanda L. Barrett (SEAL)
Wanda L. Barrett

BOOK 0411 PAGE 0572

STATE OF VIRGINIA


COUNTY OF PULASKI, to-wit:

I, Sharon B. Webb, a Notary Public in
and for the State and County aforesaid, do hereby certify that
Wanda L. Barrett, whose name is signed to the
foregoing deed bearing date on the 24th day of April,
1986, each this day personally appeared before me and acknow-
ledged the same.

Given under my hand this 24th day of April, 1986.

My Commission expires: March 27, 1990.

Sharon B. Webb
Notary Public



VIRGINIA: In the Clerk's Office of the Circuit Court of Pulaski County.
This instrument, with the certificate of acknowledgement thereto annexed,
is admitted to record at 3:05 o'clock p.m., April 24
1986, after payment of \$ 25.00 tax imposed by Section 58-54.1

Teste: A. Henry Clerk

MR. RADLER,
S. RUTHERLAND
& HUTTON
ATTORNEYS AT LAW
PULASKI
COUNTY - GALLAY,
VIRGINIA

LIST OF HEIRS/REAL ESTATE AFFIDAVIT
COMMONWEALTH OF VIRGINIA

Case No.: NE 2008000074

PULASKI COUNTY

RICHARD L. JOHNSTON

March 8, 2008

Circuit Court

NAME OF DECEDENT

DATE OF DEATH

Betty D. Johnston, 4220 Brookmont Road, Pulaski, VA 24301

NAME AND ADDRESS OF SUBSCRIBER

☒ I have an interest as tenant by entirety/widow in the real property of the decedent; AND/OR

☐ I qualified in _____ as the personal representative of the above-named decedent,

NAME OF COURT

who died intestate as to the real estate described herein, and who, at the time of death, was seized of real property in this county/city, briefly described as held as tenants by the entirety with deceased: Acct 9541, TM 72-22-156-1,2-4; Acct. 2438, TM 72-32-59-6,7,10; Acct 9544, TM 92-1-20E; Acquired as widow, all children also children of widow: Acct 9543, TM 92-1-20D; Acct 9529, TM 71-1-164 & Acct 9523, (listed as Johnston, J. D., Jr., deceased), TM 71-1-165;

The name and last known addresses of the decedent's heirs are:

NAMES OF HEIRS	ADDRESSES	RELATIONSHIP	AGE
Betty D. Johnston	Pulaski, VA	Wife	59

State of VIRGINIA

Betty D. Johnston
SIGNATURE OF SUBSCRIBER
Betty D. Johnston

County of PULASKI to-wit:

Subscribed and sworn to before me by Betty D. Johnston

this 24th day of March, 2008

My commission expires: July 31, 2009

Notary Registration No. 164562

Notary Public
STATE OF VIRGINIA
Notary Public

VIRGINIA: In the Clerk's Office of the Pulaski Co Circuit Court this 24th day of March, 2008 the foregoing AFFIDAVIT was filed and admitted to record.

Teste: Maatta H. Crewe

CLERK

by [Signature], Deputy Clerk

VIRGINIA
IN THE CLERK'S OFFICE OF
PULASKI COUNTY
MARCH 27, 2008 AT 02:08PM
WILLS/FIDUCIARY
INSTRUMENT #08000074 WAS RECORDED
UPON CERTIFICATION OF ACKNOWLEDGEMENT
THEREBY ANNEXED, ADMITTED TO RECORD.
THE FEE AND TAX OF \$16.00 IMPOSED
BY LAW HAVE BEEN PAID (RCPT 08000003587)
TESTE: MAETTA H CREWE, CLERK

RECORDED BY: TMN

MAETTA H CREWE
CLERK

2008 MAR 27



Former Barretts Store

15 Randolph Avenue

Pulaski, VA 24301

Inquiry Number: 5002441.4

July 25, 2017

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

07/25/17

Site Name:

Former Barretts Store
15 Randolph Avenue
Pulaski, VA 24301
EDR Inquiry # 5002441.4

Client Name:

Draper, Aden Associates
2206 South Main Street
Blacksburg, VA 24060
Contact: Ross Miller



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Draper, Aden Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	B07226-05	Latitude:	37.046441 37° 2' 47" North
Project:	Former Barretts Store	Longitude:	-80.785081 -80° 47' 6" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	519111.02
		UTM Y Meters:	4100045.84
		Elevation:	1908.00' above sea level

Maps Provided:

2013	1890
1984	
1977	
1970	
1965	
1940	
1934	
1891	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Pulaski
2013
7.5-minute, 24000

1984 Source Sheets



Pulaski
1984
7.5-minute, 24000
Aerial Photo Revised 1982

1977 Source Sheets



Pulaski
1977
7.5-minute, 24000
Aerial Photo Revised 1976

1970 Source Sheets



Pulaski
1970
7.5-minute, 24000
Aerial Photo Revised 1970

Topo Sheet Key

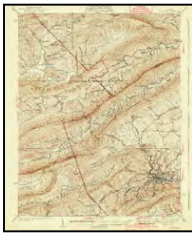
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1965 Source Sheets



Pulaski
1965
7.5-minute, 24000
Aerial Photo Revised 1963

1940 Source Sheets



Pulaski
1940
15-minute, 62500

1934 Source Sheets



Pulaski
1934
15-minute, 48000

1891 Source Sheets

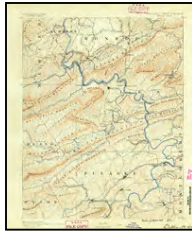


Dublin
1891
30-minute, 125000

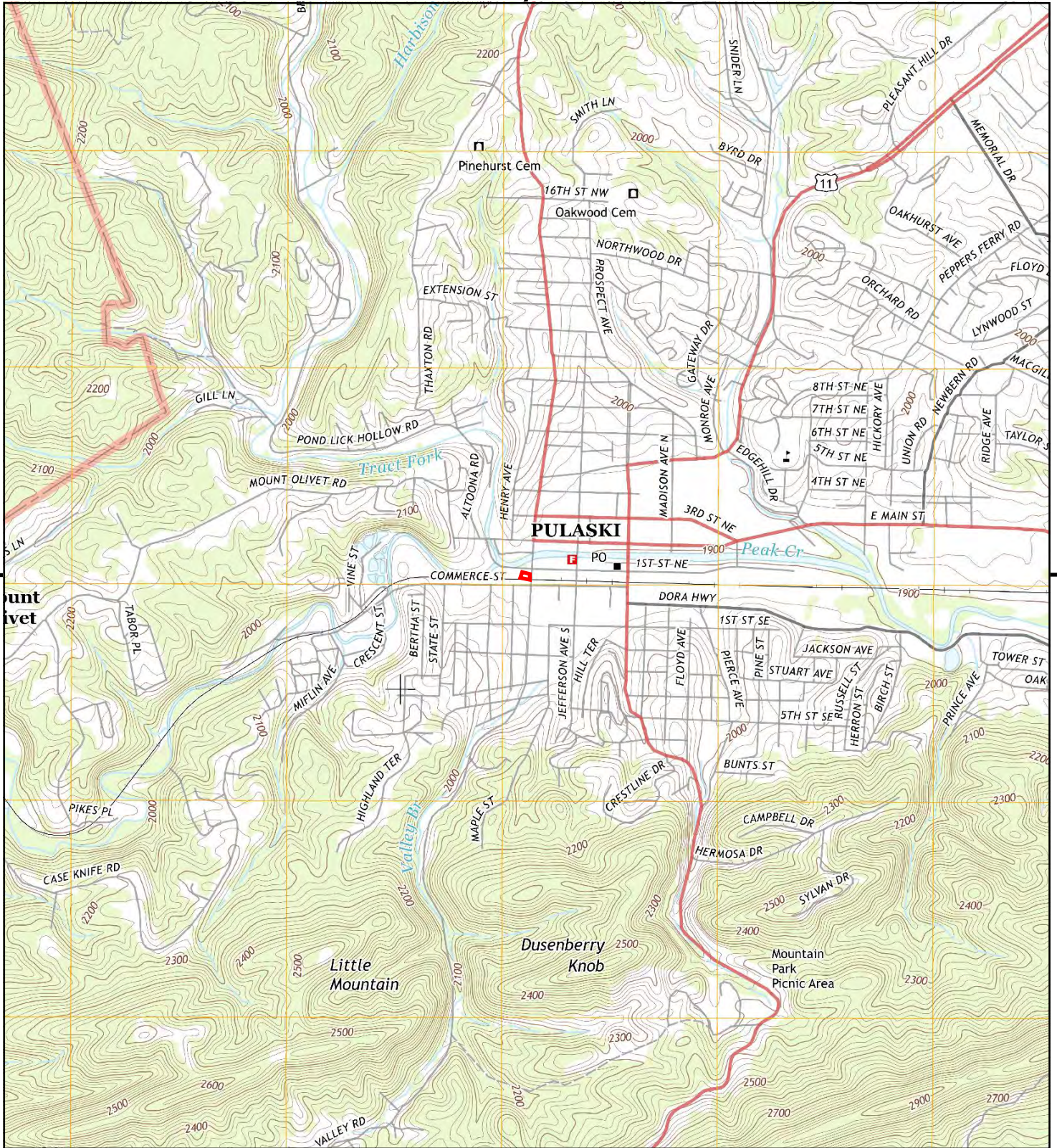
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1890 Source Sheets



Dublin
1890
30-minute, 125000



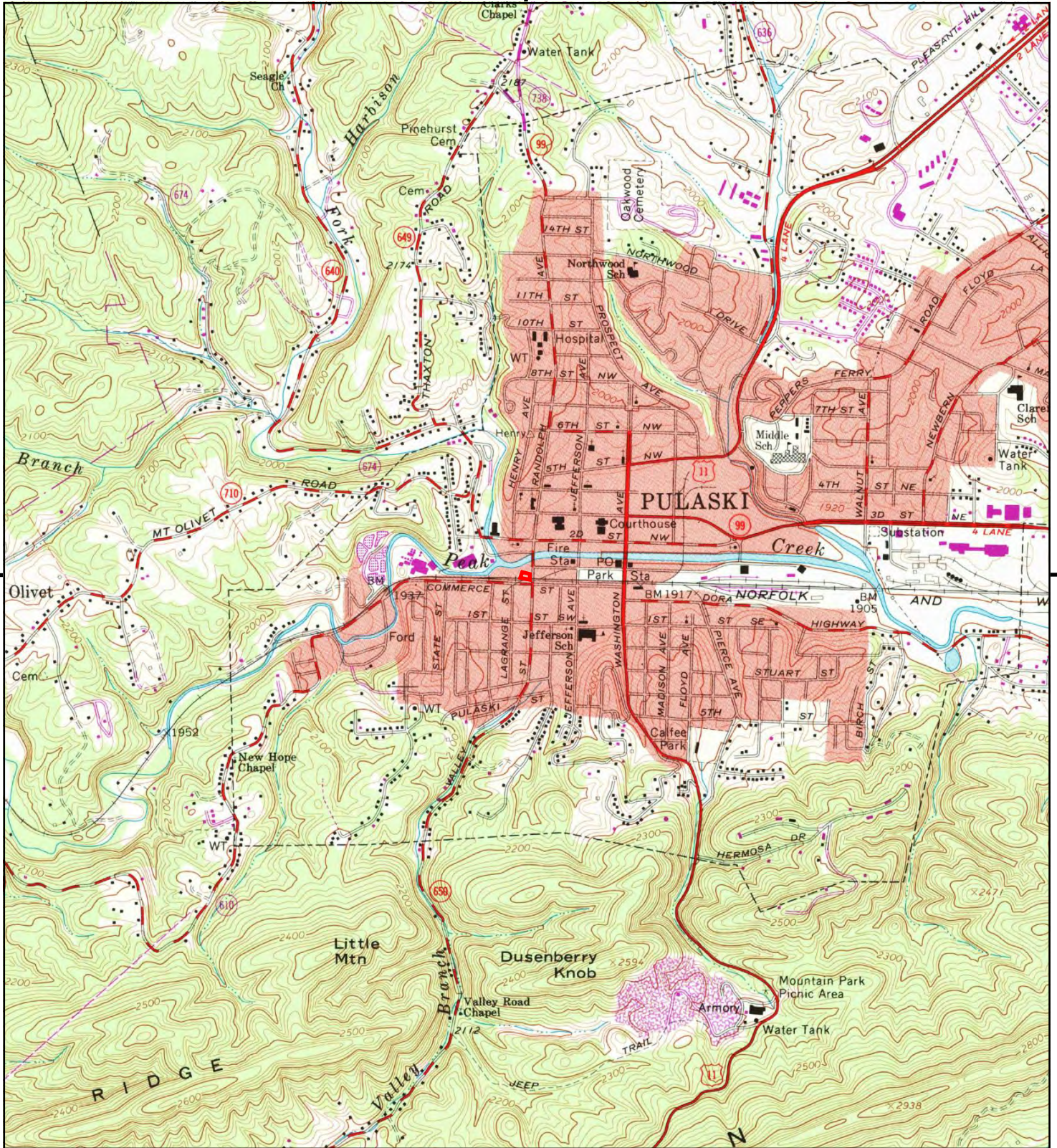
This report includes information from the following map sheet(s).



TP, Pulaski, 2013, 7.5-minute

SITE NAME: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski, VA 24301
 CLIENT: Draper, Aden Associates





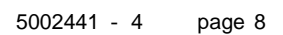
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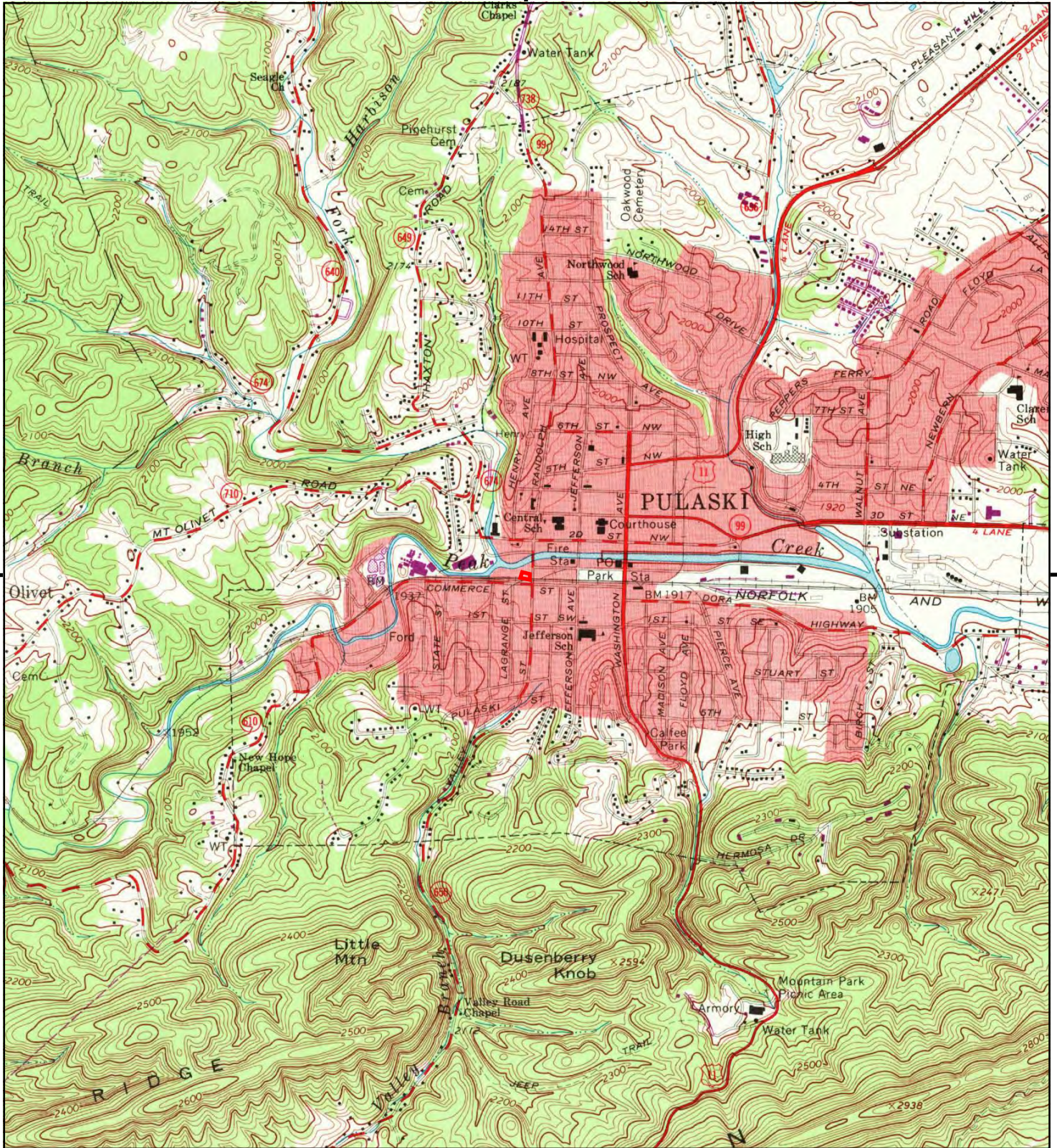


TP, Pulaski, 1984, 7.5-minute

SITE NAME: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski, VA 24301
CLIENT: Draper, Aden Associates







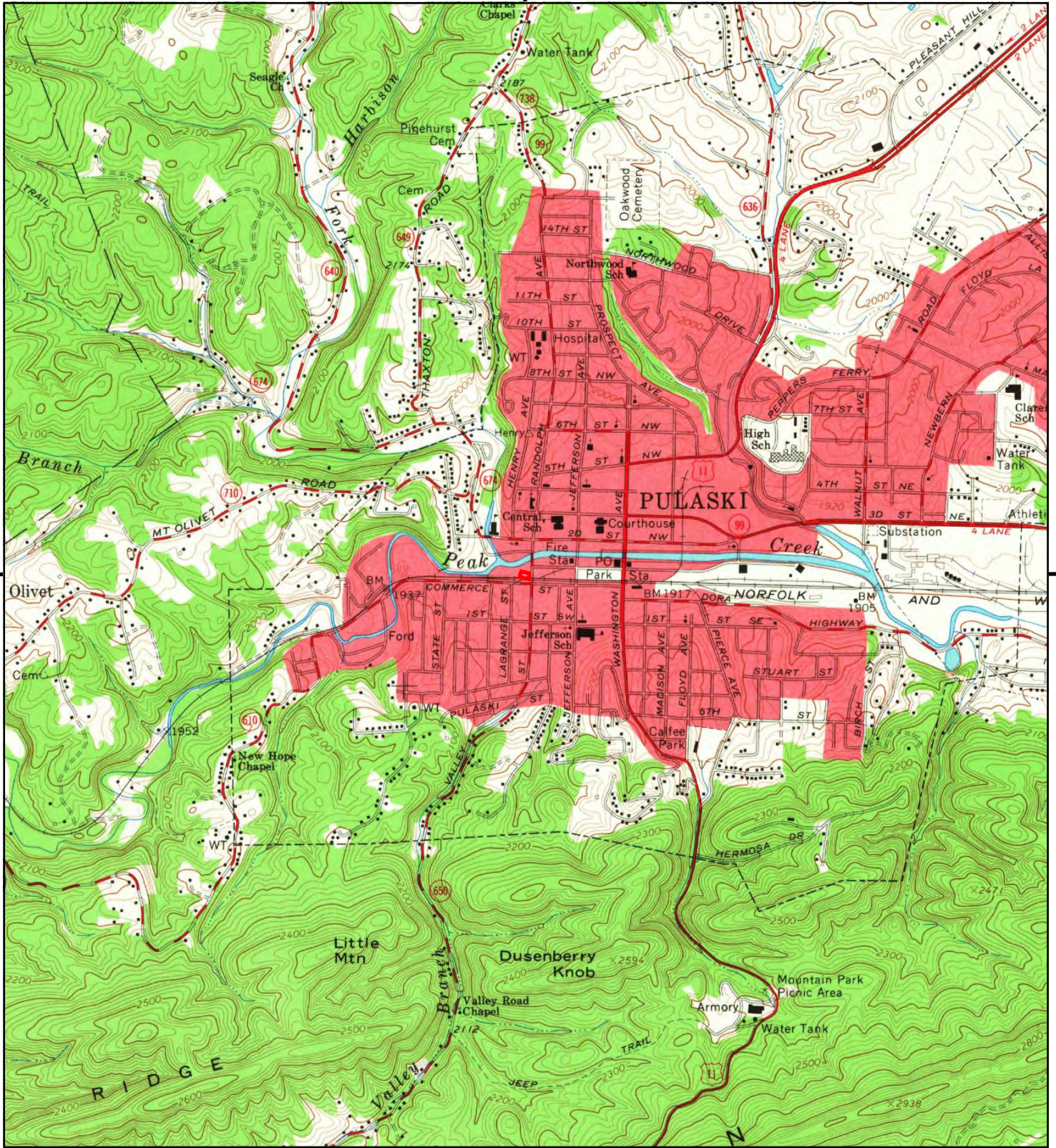
This report includes information from the following map sheet(s).



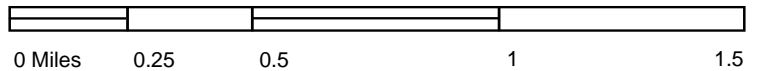
TP, Pulaski, 1970, 7.5-minute

SITE NAME: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski, VA 24301
CLIENT: Draper, Aden Associates





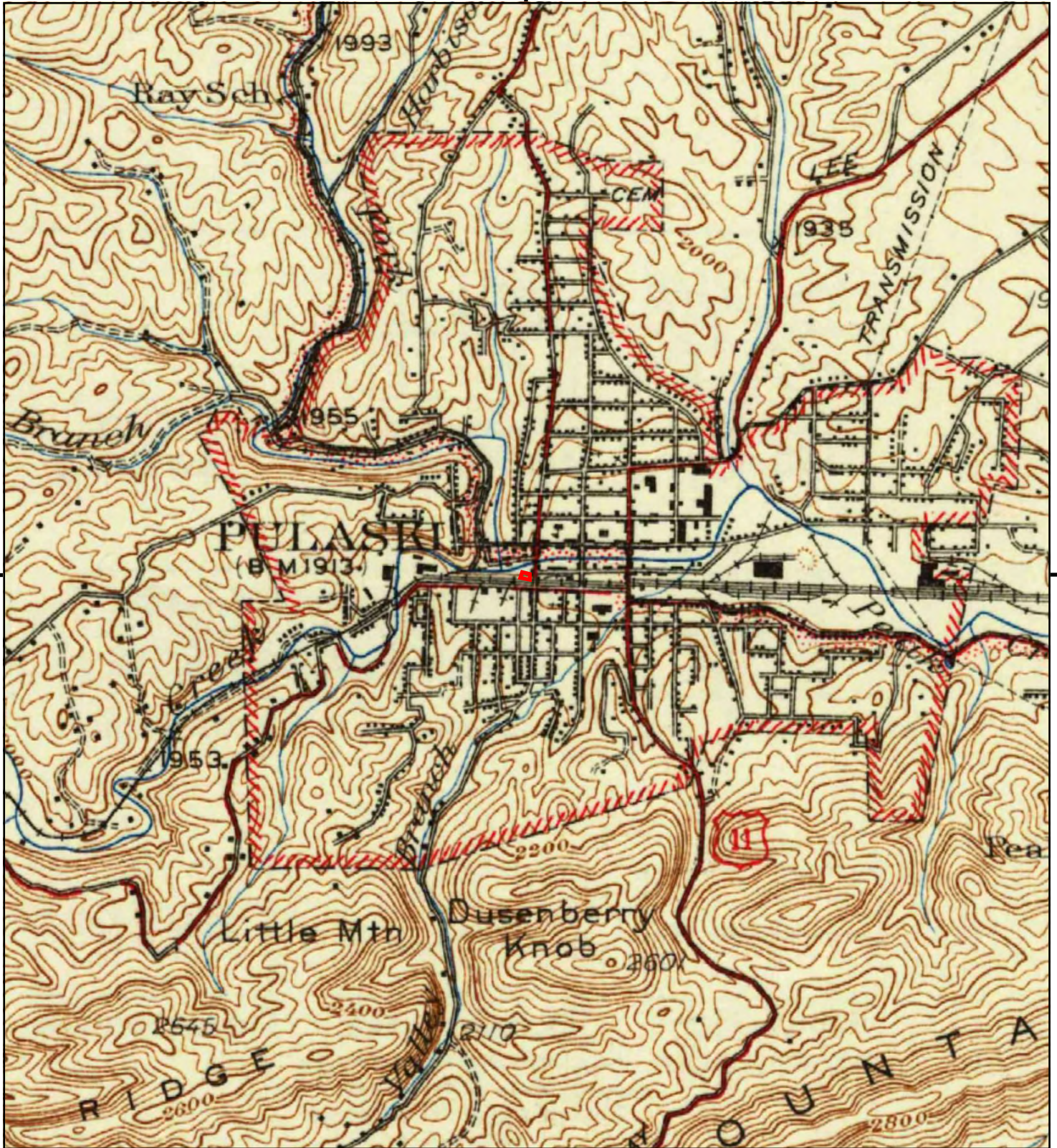
This report includes information from the following map sheet(s).



TP, Pulaski, 1965, 7.5-minute

SITE NAME: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski, VA 24301
CLIENT: Draper, Aden Associates





This report includes information from the following map sheet(s).



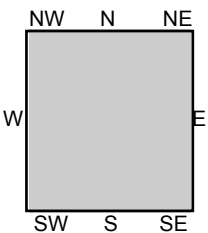
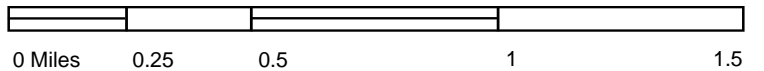
TP, Pulaski, 1940, 15-minute

SITE NAME: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski, VA 24301
CLIENT: Draper, Aden Associates





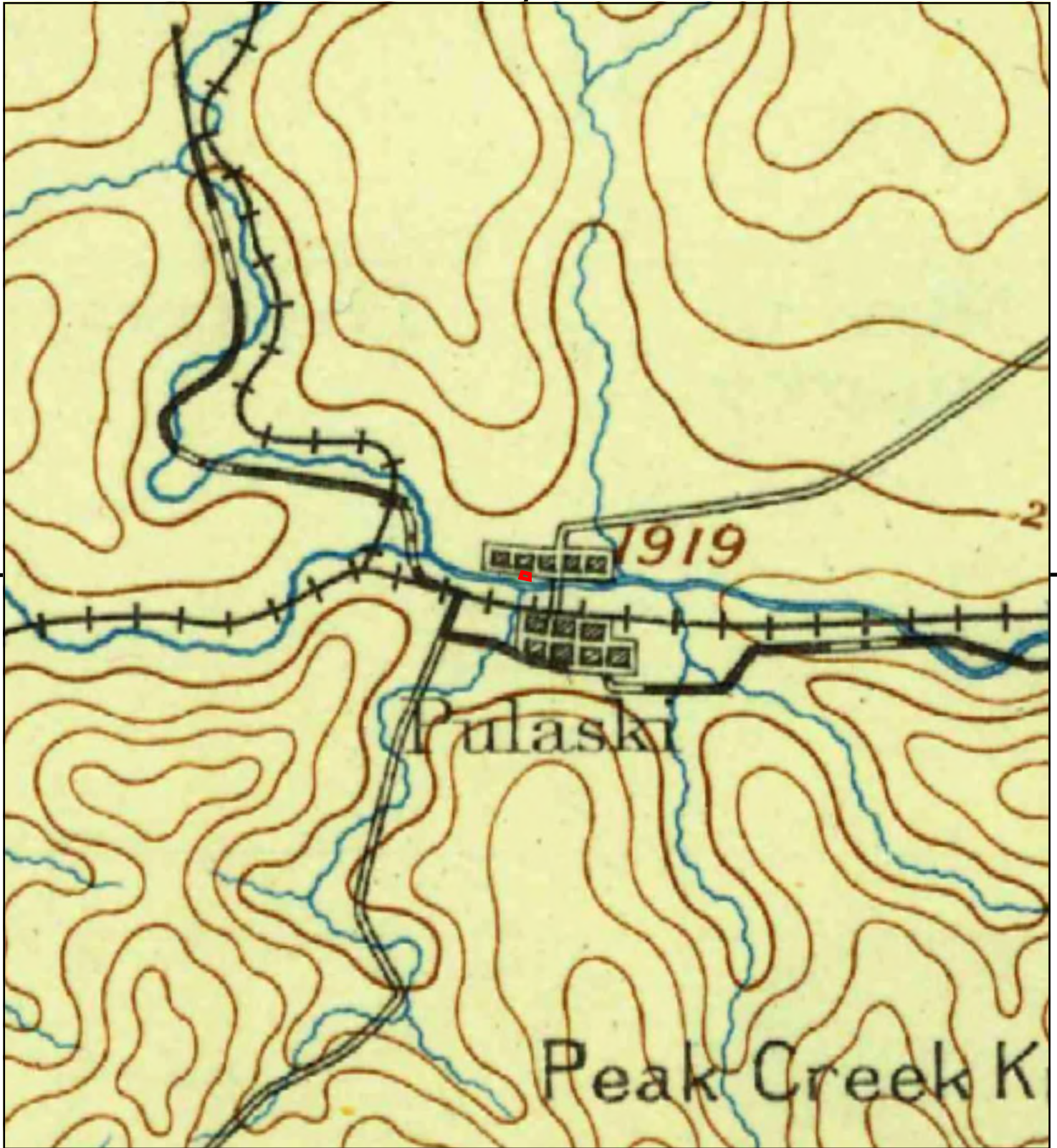
This report includes information from the following map sheet(s).



TP, Pulaski, 1934, 15-minute

SITE NAME: Former Barretts Store
ADDRESS: 15 Randolph Avenue
Pulaski, VA 24301
CLIENT: Draper, Aden Associates





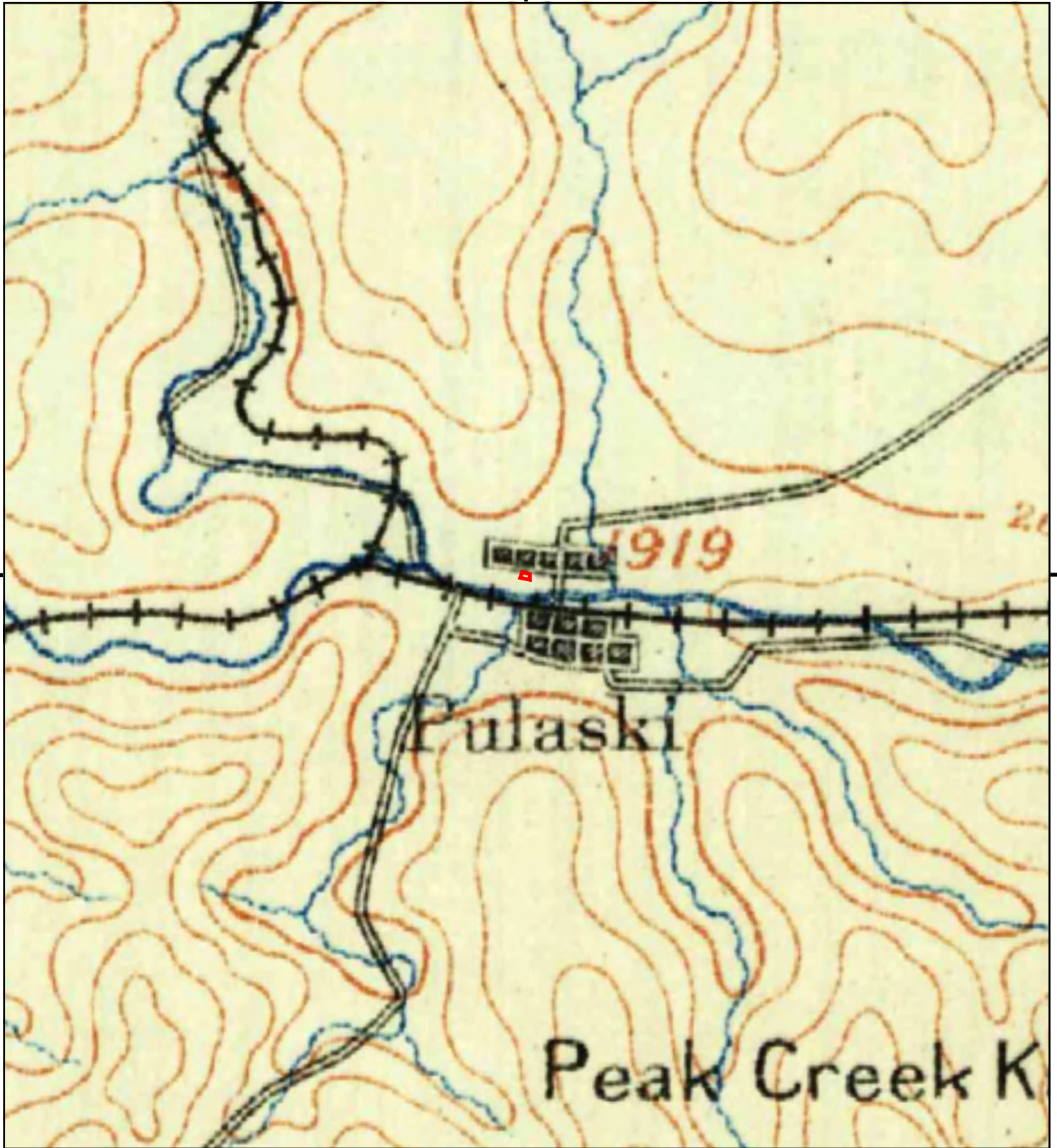
This report includes information from the following map sheet(s).



TP, Dublin, 1891, 30-minute

SITE NAME: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski, VA 24301
 CLIENT: Draper, Aden Associates





This report includes information from the following map sheet(s).



TP, Dublin, 1890, 30-minute

SITE NAME: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski, VA 24301
 CLIENT: Draper, Aden Associates



Former Barretts Store

15 Randolph Avenue
Pulaski, VA 24301

Inquiry Number: 5002441.6
July 25, 2017

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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Memorandum

To: File: B07226-05
From: Janet Frazier, DAA
Date: July 31, 2017
Project Name: Former Barretts Store – 15 Randolph Ave, Pulaski, Virginia
Project Number: B07226-05
Subject: Interview for Phase 1 ESA- Janet Frazier, DAA
cc:

On July 26, 2017 at 3:20 PM I telephoned (540-577-9404) Ms. Betty Johnston, current property owner and interviewed her regarding the subject property. Ms. Johnston mentioned the following:

- Ms. Johnston and her husband, Richard, purchased the property in 1973/75 timeframe. Her husband is deceased and she would like to sell or donate the property.
- Prior to their purchase in the 1970s, the site was used as a convenience store and was known as "Barretts Place"
- The husband of the former property owner passed away and sold the property to the Johnstons.
- The property was never used as a business during their ownership. Mr. Johnston used the building to build street rod racing cars as a hobby. He also repaired televisions.
- She stopped using the building in the early 1990s. She is aware the building is in poor condition and the roof in the rear of the building has collapsed.
- She could not comment on any of the chemicals used or chemical waste generated by her husband, if any. She said he was very environmentally conscientious and their young children often were in the building.
- They only used space heaters to heat the building. She did know how the building was formerly heated.
- She does not know if there are any underground or aboveground storage tanks on the property. As well, she did not know if the former convenience store sold gasoline.
- She was unaware of any dumping or improper disposal on the property. She was unaware of any fires on the property.
- The adjacent property to the west was owned by Randall Jones. As a hobby he constructed a "wild west" frontier land amusement park consisting primarily of wooden structures. She mentioned that in 2013 the park structures caught on fire. She recalls that the structures were allowed to burn.

Memorandum

To: File: B07226-05
From: Janet Frazier, DAA
Date: July 31, 2017
Project Name: Former Barretts Store – 15 Randolph Ave, Pulaski, Virginia
Project Number: B07226-05
Subject: Interview for Phase 1 ESA- Fire Department -
cc:

On July 24, 2017 at 11:00, Mr. Robby Kiser, Acting Fire Chief, Pulaski Fire Department, was contacted via telephone (540-440-0120 CELL) regarding emergency response and petroleum or hazardous waste releases and or storage at the site and adjacent properties. Mr. Kiser has been with the Fire Department for 17 years. According to Mr. Kiser, no known fuel storage tanks have been located and no known chemicals were stored, used, or disposed on the site. Mr. Kiser had no recollection of any environmental responses to the subject property. He knew that the back portion of the building had collapsed and he was uncertain of the current condition of the remaining building. No additional information was provided

Memorandum

To: File: B07226-05
From: Janet Frazier, DAA
Date: July 31, 2017
Project Name: Former Barretts Store – 15 Randolph Ave, Pulaski, Virginia
Project Number: B07226-05
Subject: Interview for Phase 1 ESA- Fire Department -
cc:

On July 24, 2017 at approximately 9 AM, I contacted Mr. Chris Moye, Chief Inspector, Building, Pulaski, Virginia, via telephone (540-994-8615) regarding the condition of the subject property. Mr. Moye stated that the building has not been condemn by the Town, the structure was in very poor condition. He is aware there has been no activity at the building for a while. No additional information was provided. Mr Moye has been in his position since April 2017. The Town has been maintaining electronic records since last fall. He is aware of other older records in the basement of his building, but the records are not easily accessible.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Site Name: Former Barrett's Store

Site Address: 15 Randolph Ave- tax map #'s 72-32-59-6 & 7)

INTERVIEW QUESTIONS: USER Questionnaire (adapted from Section X3 of ASTM E1527-013)

Please answer each question to the best of your ability to obtain the information. General answers will be more helpful than no information ("cannot recall").

Purpose: In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following required inquiries. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

(1.) Environmental liens that are filed or recorded against the *property* (40 CFR 312.25). Did a search of *recorded land title records* (or judicial records where appropriate, see **Note 1** below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state or local law? NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

No

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and vi)). Did a search of *recorded land title records* (or judicial records where appropriate, see **Note 1** above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

No

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

ASTM E1537-13 USER QUESTIONNAIRE (Continued)

- (4.) **Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).** Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

The property is proposed to be donated at no cost

- (5.) **Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).** Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example,

- (a.) **Do you know the past uses of the *property*?**

To the best of my knowledge, the building was used as a retail (grocery, etc.) store for many decade but has been vacant at least the past 25 to 30 years

- (b.) **Do you know of specific chemicals that are present or once were present at the *property*?**

None known

- (c.) **Do you know of spills or other chemical releases that have taken place at the *property*?**

None known

- (d.) **Do you know of any environmental cleanups that have taken place at the *property*?**

None known

- (6.) **The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).** Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of releases at the *property*?

None known

This information has been provided by:

Shawn M. Utt

Print Name

August 2, 2017

Date

Town Manager

Title

APPENDIX C

Regulatory Records Documentation and Physical Setting Sources

EDR Radius Map Report with GeoCheck

FEMA Map

VDEQ Impaired Waters Map

USDA Soil Survey

Former Barretts Store

15 Randolph Avenue
Pulaski, VA 24301

Inquiry Number: 5002441.2s
July 25, 2017

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

15 RANDOLPH AVENUE
PULASKI, VA 24301

COORDINATES

Latitude (North):	37.0464410 - 37° 2' 47.18"
Longitude (West):	80.7850810 - 80° 47' 6.29"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	519111.5
UTM Y (Meters):	4099842.5
Elevation:	1908 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5949970 PULASKI, VA
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20141002
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
15 RANDOLPH AVENUE
PULASKI, VA 24301

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	JEFFERSON YARNS HILL	27 VALLEY STREET	US BROWNFIELDS, ECHO	Higher	219, 0.041, SSE
A2		27 VALLY ST	RCRA-SQG, US AIRS	Higher	219, 0.041, SSE
A3	JEFFERSON MILLS	27 VALLEY ST	LUST, LTANKS, UST	Higher	219, 0.041, SSE
B4	HUFF PETROLEUM COMPA	30 LAGRANGE ST	AST	Higher	312, 0.059, SW
B5	HUFF PETROLEUM BULK	30 LAGRANGE ST	LUST, LTANKS	Higher	312, 0.059, SW
C6		190 1ST STREET NW	RCRA-SQG	Lower	397, 0.075, East
C7	VA CHURCH FURNITURE	190 FIRST STREET NW	LTANKS	Lower	397, 0.075, East
8	WESTEND GARAGE	303 W MAIN ST	EDR Hist Auto	Higher	421, 0.080, NNW
B9	REGIONAL EMS PULASKI	60 LAGRANGE ST	EDR Hist Auto	Higher	465, 0.088, SSW
D10	CONNIE OIL INC	425 W COMMERCE ST	LUST, LTANKS, UST, AST	Higher	513, 0.097, WSW
D11	NEW RIVER OILS INC	425 COMMERCE ST	EDR Hist Auto	Higher	513, 0.097, WSW
E12	MAIN STREET LAUNDRY	163 W MAIN ST	EDR Hist Cleaner	Lower	513, 0.097, NE
E13	WILSONS CLEANERS	143 W MAIN ST	EDR Hist Cleaner	Lower	562, 0.106, NE
E14	CECILS AUTO REPAIR I	131 W MAIN ST	EDR Hist Auto	Lower	597, 0.113, NE
15	PULASKI FIRE DEPARTM	117 NORTH JEFFERSON	UST	Lower	704, 0.133, East
F16		4 MAGNOX DRIVE	RCRA-CESQG	Higher	820, 0.155, NW
F17	NANOCHEMONICS SITE	4 MAGNOX DRIVE	SEMS, PRP	Higher	820, 0.155, NW
F18	MAGNOX PULASKI INC	4 MAGNOX DR	AST	Higher	820, 0.155, NW
G19	NEHI BOTTLING	609 COMMERCE ST	UST	Higher	845, 0.160, WSW
20	PULASKI COUNTY CIRCU	143 3RD ST NW	LTANKS	Higher	909, 0.172, NNE
G21	SADLER HOSIERY MILLS	535 COMMERCE ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	909, 0.172, West
H22		235 N JEFFERSON AVEN	RCRA-CESQG	Lower	931, 0.176, NE
23	TOWN OF PULASKI MUNI	42 FIRST ST NW	UST	Lower	1095, 0.207, East
H24	COUNTY ADMINISTRATIO	143 3RD ST NW	AST	Higher	1111, 0.210, NE
25	JEFFERSON SCHOOL	85 FIRST STREET SOUT	US BROWNFIELDS, ECHO	Higher	1149, 0.218, SE
I26	TOWN OF PULASKI PUBL	27 STATE ST	UST, Financial Assurance	Higher	1167, 0.221, WSW
I27	TOWN OF PULASKI PUBL	27 STATE ST	LUST, LTANKS	Higher	1167, 0.221, WSW
I28	TOWN OF PULASKI PUBL	27 STATE ST	LUST, LTANKS	Higher	1167, 0.221, WSW
I29	HERCULES PLANT - PUL	720 COMMERCE ST	SEMS-ARCHIVE	Higher	1302, 0.247, West
I30	PULASKI PLANT	720 COMMERCE ST	UST	Higher	1302, 0.247, West
31	FORMER BB&T BUILDING	1 WEST MAIN ST	LUST, LTANKS	Lower	1385, 0.262, ENE
J32	NORFOLK & WESTERN -P	2 S. WASHINGTON ST.	LUST	Lower	1394, 0.264, East
J33	PULASKI BUS STATION	6 SOUTH WASHINGTON A	LTANKS, UST	Lower	1394, 0.264, East
34	FROST RESIDENCE	160 CLIFF ST	LUST, LTANKS	Higher	1401, 0.265, SW
J35	TOWN OF PULASKI	WASHINGTON AVE. AND	LUST	Lower	1414, 0.268, East
J36	TOWN OF PULASKI	WASHINGTON AVE AT CO	LTANKS, UST	Higher	1415, 0.268, East
K37	NORFOLK & WESTERN RA	DORA HIGHWAY & EAST	LTANKS, UST	Higher	1467, 0.278, ESE
38	HALE PROPERTY	59 BERTHA STREET	LUST, LTANKS	Higher	1470, 0.278, WSW
K39	ELITE MOBIL STATION	40 S WASHINGTON AVE	LTANKS	Higher	1480, 0.280, ESE

MAPPED SITES SUMMARY

Target Property Address:
15 RANDOLPH AVENUE
PULASKI, VA 24301

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L40	CHARTER FEDERAL SAVI	250 N. WASHINGTON AV	LUST, LTANKS	Lower	1849, 0.350, ENE
M41	7-ELEVEN STORE 1055-	401 NORTH WASHINGTON	LTANKS, UST	Higher	1897, 0.359, NE
L42	MCCREADY LUMBER (BFP	RT 99 AND PEAKE CREE	US BROWNFIELDS, FINDS	Lower	1996, 0.378, ENE
M43	FORMER RUTHERFORD PO	419 N WASHINGTON AVE	LTANKS	Higher	2013, 0.381, NE
44	BLUE RIDGE SUPPLY CO	92 1ST ST NE	LTANKS	Lower	2049, 0.388, East
45	PULASKI FURNITURE FA	301 N. MADISON AVENU	VCP, SPILLS	Higher	2124, 0.402, ENE
N46	CAVALIER SUPPLY COMP	400 N WASHINGTON AVE	LUST, LTANKS, UST	Higher	2156, 0.408, NE
N47	7-11 NO. 19586	491 N.WASHINGTON AVE	LUST	Higher	2179, 0.413, NE
O48	HUFF COAL AND OIL CO	308 N. MADISON AVE.,	LUST	Lower	2301, 0.436, ENE
O49	HUFF PETROLEUM CO	308 N. MADISON AVE.	LTANKS	Lower	2301, 0.436, ENE
50	MS. DEBRA MATHENA RE	228 2ND STREET S.E.	LUST, LTANKS	Higher	2544, 0.482, ESE
51	OLD CAR WASH SITE	50 FIFTH ST NE	LUST, LTANKS	Higher	2630, 0.498, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal RCRA 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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

EXECUTIVE SUMMARY

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

SWF/LF..... Solid Waste Management Facilities

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Sites Listing

INST CONTROL..... Voluntary Remediation Program Database

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Specific Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

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

ODI..... Open Dump Inventory

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

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Prep/Spills Database Listing

SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted Airs Facility List
NPDES.....	Comprehensive Environmental Data System
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaner List
ENF.....	Enforcement Actions Data
Financial Assurance.....	Financial Assurance Information Listing
TIER 2.....	Tier 2 Information Listing
UIC.....	Underground Injection Control Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

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

A review of the SEMS list, as provided by EDR, and dated 02/07/2017 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NANOCHEMONICS SITE</i>	<i>4 MAGNOX DRIVE</i>	<i>NW 1/8 - 1/4 (0.155 mi.)</i>	<i>F17</i>	<i>78</i>

Federal CERCLIS NFRAP site list

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

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 02/07/2017 has revealed that there

EXECUTIVE SUMMARY

is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HERCULES PLANT - PUL	720 COMMERCE ST	W 1/8 - 1/4 (0.247 mi.)	I29	106

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/12/2016 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>Not reported</i>	<i>27 VALLY ST</i>	<i>SSE 0 - 1/8 (0.041 mi.)</i>	<i>A2</i>	<i>13</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	190 1ST STREET NW	E 0 - 1/8 (0.075 mi.)	C6	45

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 12/12/2016 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4 MAGNOX DRIVE	NW 1/8 - 1/4 (0.155 mi.)	F16	73
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	235 N JEFFERSON AVEN	NE 1/8 - 1/4 (0.176 mi.)	H22	86

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Database.

A review of the LUST list, as provided by EDR, has revealed that there are 16 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>JEFFERSON MILLS</i>	<i>27 VALLEY ST</i>	<i>SSE 0 - 1/8 (0.041 mi.)</i>	<i>A3</i>	<i>26</i>
Database: LUST REG WC, Date of Government Version: 06/04/2015				

EXECUTIVE SUMMARY

Case Status: Closed Pollution Control #: 20122114				
HUFF PETROLEUM BULK	30 LAGRANGE ST	SW 0 - 1/8 (0.059 mi.)	B5	44
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20072012 Pollution Control #: 20082025 Pollution Control #: 96-1025A				
CONNIE OIL INC	425 W COMMERCE ST	WSW 0 - 1/8 (0.097 mi.)	D10	48
Database: LUST REG WC, Date of Government Version: 06/04/2015 Date Closed: 1998-11-03 00:00:00 Pollution Control #: 93-2158A Pollution Control #: 99-1029A				
TOWN OF PULASKI PUBL	27 STATE ST	WSW 1/8 - 1/4 (0.221 mi.)	I27	105
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20072110				
TOWN OF PULASKI PUBL	27 STATE ST	WSW 1/8 - 1/4 (0.221 mi.)	I28	105
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20072034 Pollution Control #: 20122252				
FROST RESIDENCE	160 CLIFF ST	SW 1/4 - 1/2 (0.265 mi.)	34	119
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20092011				
HALE PROPERTY	59 BERTHA STREET	WSW 1/4 - 1/2 (0.278 mi.)	38	126
Database: LUST REG WC, Date of Government Version: 06/04/2015 Pollution Control #: 02-2039N				
CAVALIER SUPPLY COMP	400 N WASHINGTON AVE	NE 1/4 - 1/2 (0.408 mi.)	N46	138
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20082065				
7-11 NO. 19586	491 N.WASHINGTON AVE	NE 1/4 - 1/2 (0.413 mi.)	N47	146
Database: LUST REG WC, Date of Government Version: 06/04/2015 Date Closed: 1993-03-17 00:00:00 Pollution Control #: 90-1590				
MS. DEBRA MATHENA RE	228 2ND STREET S.E.	ESE 1/4 - 1/2 (0.482 mi.)	50	147
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20142233				
OLD CAR WASH SITE	50 FIFTH ST NE	NE 1/4 - 1/2 (0.498 mi.)	51	147
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed Pollution Control #: 20072074				
Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER BB&T BUILDING	1 WEST MAIN ST	ENE 1/4 - 1/2 (0.262 mi.)	31	108
Database: LUST REG WC, Date of Government Version: 06/04/2015 Case Status: Closed				

EXECUTIVE SUMMARY

Pollution Control #: 20102237				
NORFOLK & WESTERN -P	2 S. WASHINGTON ST.	E 1/4 - 1/2 (0.264 mi.)	J32	108
Database: LUST REG WC, Date of Government Version: 06/04/2015				
Date Closed: 1994-08-18 00:00:00				
Pollution Control #: 91-1195				
TOWN OF PULASKI	WASHINGTON AVE. AND	E 1/4 - 1/2 (0.268 mi.)	J35	120
Database: LUST REG WC, Date of Government Version: 06/04/2015				
CHARTER FEDERAL SAVI	250 N. WASHINGTON AV	ENE 1/4 - 1/2 (0.350 mi.)	L40	127
Database: LUST REG WC, Date of Government Version: 06/04/2015				
Date Closed: 1997-10-30 00:00:00				
Pollution Control #: 97-1062N				
HUFF COAL AND OIL CO	308 N. MADISON AVE.,	ENE 1/4 - 1/2 (0.436 mi.)	O48	146
Database: LUST REG WC, Date of Government Version: 06/04/2015				
Date Closed: 1997-01-31 00:00:00				
Pollution Control #: 93-1181N				

LTANKS: The Leaking Tanks Database contains current Leaking petroleum tanks. The data comes from the Department of Environmental Quality.

A review of the LTANKS list, as provided by EDR, and dated 02/03/2017 has revealed that there are 22 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JEFFERSON MILLS Facility Status: Closed CEDS Facility Id: 200000089414 Pollution Complaint #: 19920195 Pollution Complaint #: 20122114	27 VALLEY ST	SSE 0 - 1/8 (0.041 mi.)	A3	26
HUFF PETROLEUM BULK Facility Status: Closed CEDS Facility Id: 200000095560 Pollution Complaint #: 20082025 Pollution Complaint #: 20072012 Pollution Complaint #: 19961025	30 LAGRANGE ST	SW 0 - 1/8 (0.059 mi.)	B5	44
CONNIE OIL INC Facility Status: Closed CEDS Facility Id: 200000096011 Pollution Complaint #: 19991029 Pollution Complaint #: 19932158	425 W COMMERCE ST	WSW 0 - 1/8 (0.097 mi.)	D10	48
PULASKI COUNTY CIRCU Facility Status: Closed CEDS Facility Id: 200000081222 Pollution Complaint #: 19941545	143 3RD ST NW	NNE 1/8 - 1/4 (0.172 mi.)	20	85
TOWN OF PULASKI PUBL Facility Status: Closed CEDS Facility Id: 200000088337 Pollution Complaint #: 20072110	27 STATE ST	WSW 1/8 - 1/4 (0.221 mi.)	I27	105
TOWN OF PULASKI PUBL Facility Status: Closed CEDS Facility Id: 200000088337	27 STATE ST	WSW 1/8 - 1/4 (0.221 mi.)	I28	105

EXECUTIVE SUMMARY

Pollution Complaint #: 20122252				
FROST RESIDENCE	160 CLIFF ST	SW 1/4 - 1/2 (0.265 mi.)	34	119
Facility Status: Closed				
CEDS Facility Id: 200000849731				
Pollution Complaint #: 20092011				
TOWN OF PULASKI	WASHINGTON AVE AT CO	E 1/4 - 1/2 (0.268 mi.)	J36	120
Facility Status: Closed				
CEDS Facility Id: 200000207466				
Pollution Complaint #: 20012120				
NORFOLK & WESTERN RA	DORA HIGHWAY & EAST	ESE 1/4 - 1/2 (0.278 mi.)	K37	124
Facility Status: Closed				
CEDS Facility Id: 200000093861				
Pollution Complaint #: 19911195				
HALE PROPERTY	59 BERTHA STREET	WSW 1/4 - 1/2 (0.278 mi.)	38	126
Facility Status: Closed				
CEDS Facility Id: 200000204750				
Pollution Complaint #: 20022039				
ELITE MOBIL STATION	40 S WASHINGTON AVE	ESE 1/4 - 1/2 (0.280 mi.)	K39	126
Facility Status: Closed				
CEDS Facility Id: 200000081201				
Pollution Complaint #: 19971067				
Pollution Complaint #: 19900901				
7-ELEVEN STORE 1055-	401 NORTH WASHINGTON	NE 1/4 - 1/2 (0.359 mi.)	M41	127
Facility Status: Closed				
CEDS Facility Id: 200000081186				
Pollution Complaint #: 19901590				
FORMER RUTHERFORD PO	419 N WASHINGTON AVE	NE 1/4 - 1/2 (0.381 mi.)	M43	133
Facility Status: Closed				
CEDS Facility Id: 200000197036				
Pollution Complaint #: 20012030				
CAVALIER SUPPLY COMP	400 N WASHINGTON AVE	NE 1/4 - 1/2 (0.408 mi.)	N46	138
Facility Status: Closed				
CEDS Facility Id: 200000090314				
Pollution Complaint #: 20082065				
Pollution Complaint #: 19920712				
MS. DEBRA MATHENA RE	228 2ND STREET S.E.	ESE 1/4 - 1/2 (0.482 mi.)	50	147
Facility Status: Closed				
CEDS Facility Id: 200000873439				
Pollution Complaint #: 20142233				
OLD CAR WASH SITE	50 FIFTH ST NE	NE 1/4 - 1/2 (0.498 mi.)	51	147
Facility Status: Closed				
CEDS Facility Id: 200000845613				
Pollution Complaint #: 20072074				
Lower Elevation	Address	Direction / Distance	Map ID	Page
VA CHURCH FURNITURE	190 FIRST STREET NW	E 0 - 1/8 (0.075 mi.)	C7	47
Facility Status: Closed				
CEDS Facility Id: 200000082904				
Pollution Complaint #: 19991224				
FORMER BB&T BUILDING	1 WEST MAIN ST	ENE 1/4 - 1/2 (0.262 mi.)	31	108

EXECUTIVE SUMMARY

Facility Status: Closed
CEDs Facility Id: 200000853552
Pollution Complaint #: 20102237

PULASKI BUS STATION Facility Status: Closed CEDs Facility Id: 200000095561 Pollution Complaint #: 19921330	6 SOUTH WASHINGTON A	E 1/4 - 1/2 (0.264 mi.)	J33	109
CHARTER FEDERAL SAVI Facility Status: Closed CEDs Facility Id: 200000081195 Pollution Complaint #: 19971062	250 N. WASHINGTON AV	ENE 1/4 - 1/2 (0.350 mi.)	L40	127
BLUE RIDGE SUPPLY CO Facility Status: Closed CEDs Facility Id: 200000081192 Pollution Complaint #: 20022076	92 1ST ST NE	E 1/4 - 1/2 (0.388 mi.)	44	133
HUFF PETROLEUM CO Facility Status: Closed CEDs Facility Id: 200000093858 Pollution Complaint #: 19931181	308 N. MADISON AVE.	ENE 1/4 - 1/2 (0.436 mi.)	O49	146

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Underground Storage Tank Data Notification Information.

A review of the UST list, as provided by EDR, and dated 02/03/2017 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JEFFERSON MILLS Tank Status: CLS IN GRD Tank Status: REM FROM GRD Facility Id: 2007582 CEDs Facility ID: 200000089414	27 VALLEY ST	SSE 0 - 1/8 (0.041 mi.)	A3	26
CONNIE OIL INC Tank Status: REM FROM GRD Facility Id: 2013783 CEDs Facility ID: 200000096011	425 W COMMERCE ST	WSW 0 - 1/8 (0.097 mi.)	D10	48
NEHI BOTTLING Tank Status: PERM OUT OF USE Facility Id: 2013801 CEDs Facility ID: 200000081217	609 COMMERCE ST	WSW 1/8 - 1/4 (0.160 mi.)	G19	83
TOWN OF PULASKI PUBL Tank Status: CURR IN USE Tank Status: REM FROM GRD Facility Id: 2019257 CEDs Facility ID: 200000088337	27 STATE ST	WSW 1/8 - 1/4 (0.221 mi.)	I26	96
PULASKI PLANT	720 COMMERCE ST	W 1/8 - 1/4 (0.247 mi.)	I30	106

EXECUTIVE SUMMARY

Tank Status: REM FROM GRD
Facility Id: 2010850
CEDS Facility ID: 200000089645

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PULASKI FIRE DEPARTM Tank Status: REM FROM GRD Facility Id: 2019256 CEDS Facility ID: 200000081223	117 NORTH JEFFERSON	E 1/8 - 1/4 (0.133 mi.)	15	72
TOWN OF PULASKI MUNI Tank Status: REM FROM GRD Facility Id: 2019258 CEDS Facility ID: 200000089646	42 FIRST ST NW	E 1/8 - 1/4 (0.207 mi.)	23	90

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Quality's Aboveground Storage Tank Data Notification Information.

A review of the AST list, as provided by EDR, and dated 02/03/2017 has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUFF PETROLEUM COMPA Facility ID: 2027545 CEDS Facility ID: 200000095560	30 LAGRANGE ST	SW 0 - 1/8 (0.059 mi.)	B4	31
CONNIE OIL INC Facility ID: 2013783 CEDS Facility ID: 200000096011	425 W COMMERCE ST	WSW 0 - 1/8 (0.097 mi.)	D10	48
MAGNOX PULASKI INC Facility ID: 2030021 CEDS Facility ID: 200000083072	4 MAGNOX DR	NW 1/8 - 1/4 (0.155 mi.)	F18	81
COUNTY ADMINISTRATIO Facility ID: 2016074 CEDS Facility ID: 200000081222	143 3RD ST NW	NE 1/8 - 1/4 (0.210 mi.)	H24	91

State and tribal voluntary cleanup sites

VCP: The Voluntary Remediation Program encourages owners of selected contaminated sites to take the initiative to conduct voluntary cleanups that meet state environmental standards. These sites are generally either open dumps or unpermitted solid waste disposal facilities. VRP sites can not be listed on the NPL, nor can they involve disposed RCRA hazardous wastes. The source of this data is the Department of Environmental Quality.

A review of the VCP list, as provided by EDR, and dated 04/20/2017 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PULASKI FURNITURE FA	301 N. MADISON AVENU	ENE 1/4 - 1/2 (0.402 mi.)	45	133

EXECUTIVE SUMMARY

Facility ID: VRP00501

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/02/2017 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JEFFERSON YARNS HILL	27 VALLEY STREET	SSE 0 - 1/8 (0.041 mi.)	A1	8
JEFFERSON SCHOOL	85 FIRST STREET SOUT	SE 1/8 - 1/4 (0.218 mi.)	25	93
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MCCREADY LUMBER (BFP	RT 99 AND PEAKE CREE	ENE 1/4 - 1/2 (0.378 mi.)	L42	130

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 12/12/2016 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SADLER HOSIERY MILLS	535 COMMERCE ST	W 1/8 - 1/4 (0.172 mi.)	G21	85

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: 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

EXECUTIVE SUMMARY

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.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 4 EDR Hist Auto sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTEND GARAGE	303 W MAIN ST	NNW 0 - 1/8 (0.080 mi.)	8	47
REGIONAL EMS PULASKI	60 LAGRANGE ST	SSW 0 - 1/8 (0.088 mi.)	B9	47
NEW RIVER OILS INC	425 COMMERCE ST	WSW 0 - 1/8 (0.097 mi.)	D11	69
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CECILS AUTO REPAIR I	131 W MAIN ST	NE 0 - 1/8 (0.113 mi.)	E14	71

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 0.125 miles of the target property.

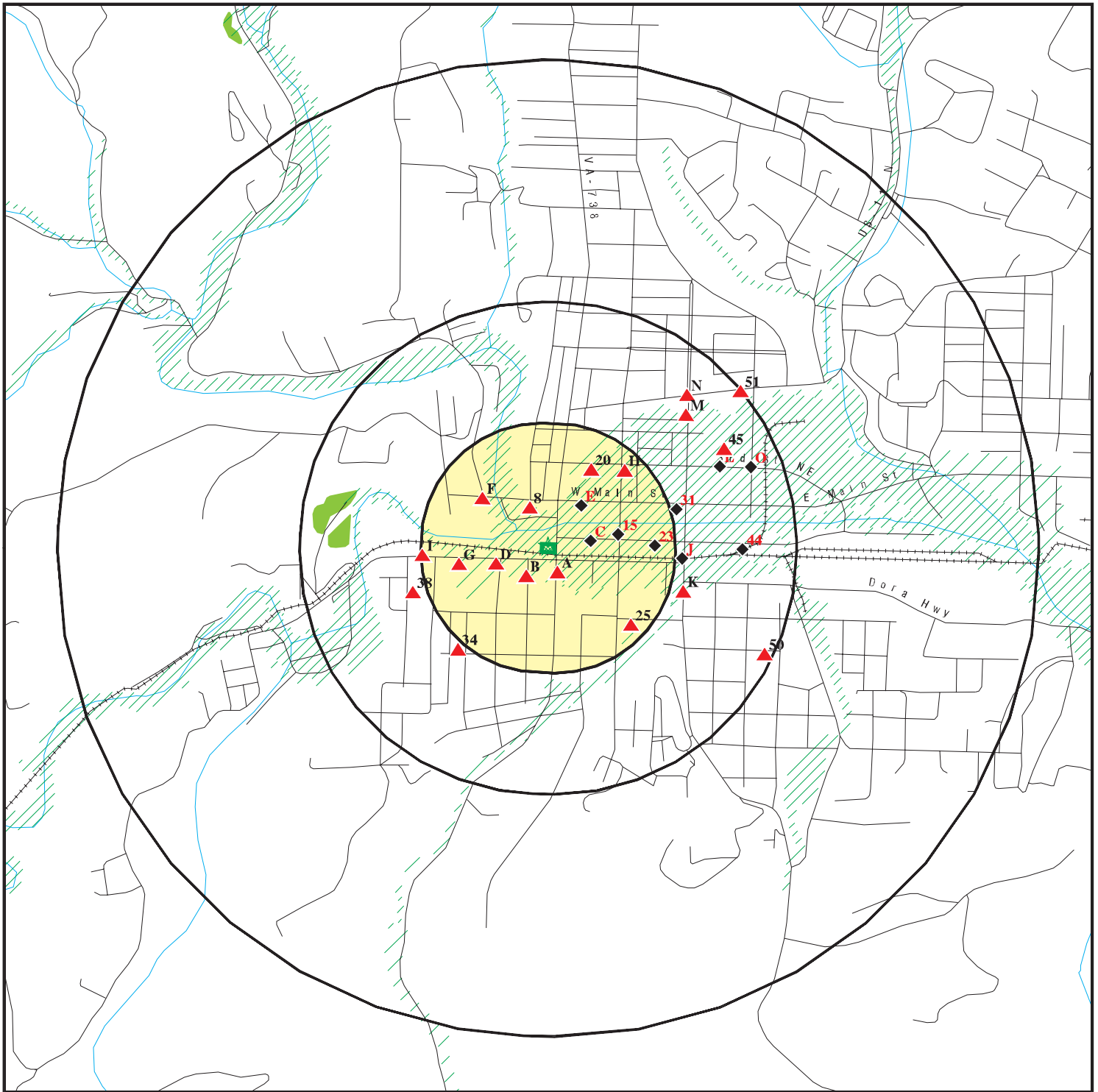
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAIN STREET LAUNDRY	163 W MAIN ST	NE 0 - 1/8 (0.097 mi.)	E12	70
WILSONS CLEANERS	143 W MAIN ST	NE 0 - 1/8 (0.106 mi.)	E13	71







EXECUTIVE SUMMARY




Due to poor or inadequate address information, the following sites were not mapped. Count: 14 records.

<u>Site Name</u>	<u>Database(s)</u>
BEIJING MOTEL	LUST
PULASKI FURNITURE FACILITY PLANT 5	LUST, LTANKS, AIRS
	RCRA-SQG, LUST
PULASKI MOTOR CO.	LUST
FORMER RUTHERFORD PONTIAC DEALERSH	LUST
BLUE RIDGE SUPPLY COMPANY	LUST
7-11 STORE #20615	LUST
RATCLIFF MOBIL STATION GWM	LUST
PULASKI BUS STATION#	LUST
CAVILIER SUPPLY	LUST
NEW RIVER OIL CO.-EARL,S MOBIL	LUST
PULASKI FURNITURE	LUST, LTANKS
RAS PROPERTIES LLC	LTANKS
SPROULE BRANCH ADJ TO BEIJING MOTE	LTANKS

OVERVIEW MAP - 5002441.2S



-  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
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

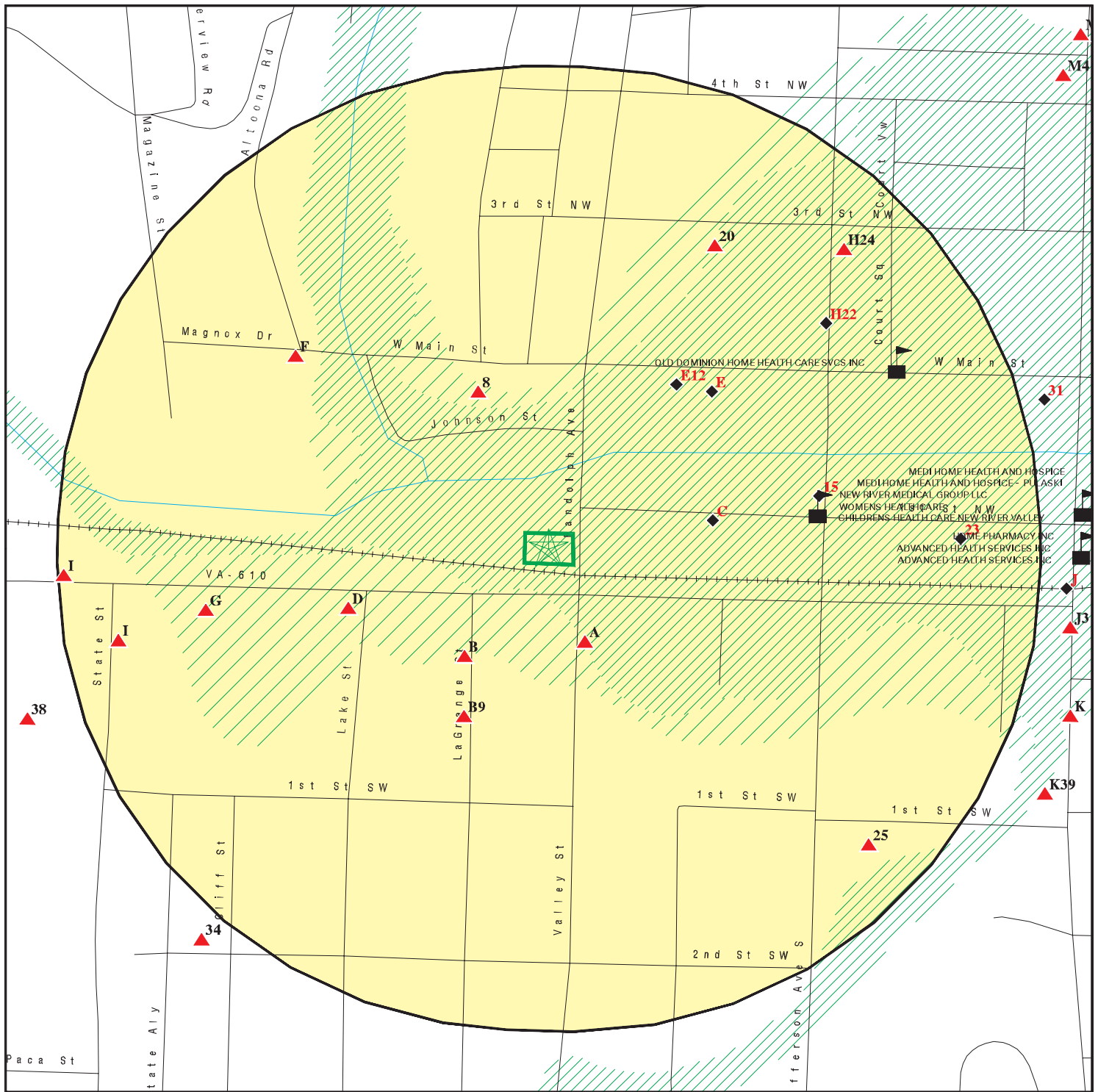
 Upgradient Area








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: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski VA 24301
 LAT/LONG: 37.046441 / 80.785081

CLIENT: Draper, Aden Associates
 CONTACT: Ross Miller
 INQUIRY #: 5002441.2s
 DATE: July 25, 2017 9:48 am

DETAIL MAP - 5002441.2S



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

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone

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: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski VA 24301
 LAT/LONG: 37.046441 / 80.785081

CLIENT: Draper, Aden Associates
 CONTACT: Ross Miller
 INQUIRY #: 5002441.2s
 DATE: July 25, 2017 9:48 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
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	1	0	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	0	NR	NR	NR	2
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		3	2	11	NR	NR	16
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		4	3	15	NR	NR	22
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		2	5	NR	NR	NR	7
AST	0.250		2	2	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	1	1	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0

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
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000	0	0	0	0	NR	0
EDR Hist Auto	0.125	4	NR	NR	NR	NR	4
EDR Hist Cleaner	0.125	2	NR	NR	NR	NR	2

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP	NR	NR	NR	NR	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	20	18	28	0	0	66

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

EDR ID Number
EPA ID Number

A1
SSE
< 1/8
0.041 mi.
219 ft.

JEFFERSON YARNS HILL PLANT
27 VALLEY STREET
PULASKI, VA 24301

Site 1 of 3 in cluster A

US BROWNFIELDS
ECHO

1014949074
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
1913 ft.

Property Name: JEFFERSON YARNS HILL PLANT
Recipient Name: Pulaski, Town of
Grant Type: Assessment
Property Number: Not reported
Parcel size: 3.4
Latitude: 37.0456369
Longitude: -80.7847916
HCM Label: Not reported
Map Scale: Not reported
Point of Reference: Not reported
Highlights: Not reported
Datum: Not reported
Acres Property ID: 125761
IC Data Access: Not reported
Start Date: Not reported
Redev Completion Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: 50000
Assessment Funding Source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding: Not reported
Redev. Funding Source: Not reported
Redev. Funding Entity Name: Not reported
Redevelopment Start Date: Not reported
Assessment Funding Entity: EPA
Cleanup Funding Entity: Not reported
Grant Type: Hazardous
Accomplishment Type: Phase II Environmental Assessment
Accomplishment Count: 0
Cooperative Agreement Number: 97380701
Start Date: 05/02/2011 00:00:00
Ownership Entity: Private
Completion Date: Not reported
Current Owner: Not reported
Did Owner Change: N
Cleanup Required: Y
Video Available: N
Photo Available: Y
Institutional Controls Required: Y
IC Category Proprietary Controls: Not reported
IC Cat. Info. Devices: Not reported
IC Cat. Gov. Controls: Y
IC Cat. Enforcement Permit Tools: Not reported
IC in place date: 01/01/2010 00:00:00
IC in place: Y
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON YARNS HILL PLANT (Continued)

1014949074

Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	3.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	3.4
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON YARNS HILL PLANT (Continued)

1014949074

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The property was developed in the early 1900s previously referred to by other names and ownerships including Paul Knitting Mills and Kahn & Feldman-Jefferson Mills. The primary industrial operation was textile products manufacturing. Jefferson Yarns currently consists of two plants single owner and generally considered a single overall operational entity, the Main Plant and the Hill Plant. Operations continue in the Main Plant, whereas operations have ceased in the Hill Plant. The Hill Plant property is currently unused and consists of two former industrial buildings and a parking lot.
Below Poverty Number:	277
Below Poverty Percent:	5.3%
Meidan Income:	3097
Meidan Income Number:	692
Meidan Income Percent:	2.1%
Vacant Housing Number:	181
Vacant Housing Percent:	8.2%
Unemployed Number:	96
Unemployed Percent:	15.4%
Property Name:	JEFFERSON YARNS HILL PLANT
Recipient Name:	Pulaski, Town of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	3.4
Latitude:	37.0456369
Longitude:	-80.7847916
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	125761
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON YARNS HILL PLANT (Continued)

1014949074

Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	97380701
Start Date:	08/25/2010 00:00:00
Ownership Entity:	Private
Completion Date:	05/16/2011 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Y
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	01/01/2010 00:00:00
IC in place:	Y
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON YARNS HILL PLANT (Continued)

1014949074

Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	3.4
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	3.4
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The property was developed in the early 1900s previously referred to by other names and ownerships including Paul Knitting Mills and Kahn & Feldman-Jefferson Mills. The primary industrial operation was textile products manufacturing. Jefferson Yarns currently consists of two plants single owner and generally considered a single overall operational entity, the Main Plant and the Hill Plant. Operations continue in the Main Plant, whereas operations have ceased in the Hill Plant. The Hill Plant property is currently unused and consists of two former industrial buildings and a parking lot.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON YARNS HILL PLANT (Continued)

1014949074

Below Poverty Number: 277
Below Poverty Percent: 5.3%
Meidan Income: 3097
Meidan Income Number: 692
Meidan Income Percent: 2.1%
Vacant Housing Number: 181
Vacant Housing Percent: 8.2%
Unemployed Number: 96
Unemployed Percent: 15.4%

ECHO:

Envid: 1014949074
Registry ID: 110000603954
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110000603954>

A2
SSE
< 1/8
0.041 mi.
219 ft.

27 VALLY ST
PULASKI, VA 24301

Site 2 of 3 in cluster A

RCRA-SQG 1000228321
US AIRS VAD001483486

Relative:
Higher

RCRA-SQG:

Date form received by agency: 01/06/2015
Facility name: Not reported
Facility address: 27 VALLY ST
PULASKI, VA 24301
EPA ID: VAD001483486
Mailing address: VALLEY & COMMERCE STS
PULASKI, VA 24301
Contact: JOHN ROBERSON
Contact address: VALLEY & COMMERCE STS
PULASKI, VA 24301
Contact country: US
Contact telephone: (703) 980-1530
Contact email: Not reported
EPA Region: Not reported
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: US
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: JEFFERSON MILLS INC
Owner/operator address: PO BOX 698

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

PULASKI, VA 24301

Owner/operator country: US
Owner/operator telephone: (703) 980-1530
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
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 05/30/1986
Site name: KAHN & FELDMAN (JEFFERSON MILLS)
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; 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

(Continued)

1000228321

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 07/19/2016
Date achieved compliance: 07/19/2016
Violation lead agency: State
Enforcement action: VERBAL INFORMAL
Enforcement action date: 08/11/2016
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

Evaluation Action Summary:

Evaluation date: 07/19/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 07/19/2016
Evaluation lead agency: State

Evaluation date: 10/24/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US AIRS (AFS):

Envid: 1000228321
Region Code: 03
County Code: VA155
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
D and B Number: Not reported
Facility Site Name: JEFFERSON YARNS INCORPORATED
Primary SIC Code: Not reported
NAICS Code: 313112
Default Air Classification Code: SMI
Facility Type of Ownership Code: NON
Air CMS Category Code: SMI
HPV Status: Not reported

US AIRS (AFS):

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2015-02-06 00:00:00
Activity Status Date: 2015-03-31 16:08:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2015-02-13 00:00:00
Activity Status Date: 2015-03-31 16:08:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2002-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2003-04-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2003-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2005-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2006-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2007-04-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2007-07-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2007-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2009-05-07 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Federally-Enforceable State Operating Permit - Non Title V
Activity Date:	2009-06-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Federally-Enforceable State Operating Permit - Non Title V
Activity Date:	2011-05-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Federally-Enforceable State Operating Permit - Non Title V
Activity Date:	2012-05-02 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	Federally-Enforceable State Operating Permit - Non Title V
Activity Date:	2013-04-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Default Air Classification Code: SMI
Air Program: Federally-Enforceable State Operating Permit - Non Title V
Activity Date: 2014-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-06 00:00:00
Activity Status Date: 2015-03-31 16:08:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-03-24 00:00:00
Activity Status Date: 2015-03-31 16:08:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-02-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-07-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-12-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-02-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1996-03-06 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1997-02-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-03-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-06-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2000-04-12 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-05-01 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2002-05-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-04-02 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-08-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	03
Programmatic ID:	AIR VA0000005115500008
Facility Registry ID:	110000603954
Air Operating Status Code:	OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000228321

Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-04-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005115500008
Facility Registry ID: 110000603954
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
SSE
< 1/8
0.041 mi.
219 ft.

JEFFERSON MILLS
27 VALLEY ST
PULASKI, VA 24301

Site 3 of 3 in cluster A

LUST
LTANKS
UST

U003675181
N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 10/19/2011
Pollution Control #: 20122114
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
1913 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000089414
Case Status: Closed
Pollution Complaint #: 19920195
Reported: 07/05/1991

Region: BRRO-R
CEDS Facility Id: 200000089414
Case Status: Closed
Pollution Complaint #: 20122114
Reported: 10/19/2011

Facility:

Facility Id: 2007582
Facility Type: INDUSTRIAL
CEDS Facility ID: 200000089414

Owner:

Owner Id: 30199
Owner Name: KAHN AND FELDMAN INC
Owner Address: P.O. BOX 698
Owner Address2: PULASKI
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: UNKNOWN
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 4

UST:

Facility ID: 2007582
Federally Regulated: Yes

Tank Number: 4
Tank Capacity: 10000
Tank Contents: UNKNOWN
Tank Status: CLS IN GRD
Tank Type: UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON MILLS (Continued)

U003675181

Tank Material:

Install Date:	4/24/1956
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON MILLS (Continued)

U003675181

Facility ID: 2007582
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 10000
Tank Contents: HEATING OIL
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:
Install Date: 4/24/1964
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:
Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN
Pipe Materials: Bare Steel Yes
Pipe Materials: Galvanized Steel No
Pipe Materials: Copper No
Pipe Materials: Fiberglass No
Pipe Materials: Cath Protect No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON MILLS (Continued)

U003675181

Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2007582
Federally Regulated:	Yes

Tank Number:	R2
Tank Capacity:	1000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	4/25/1971
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON MILLS (Continued)

U003675181

Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	2007582
Federally Regulated:	Yes
Tank Number:	R3
Tank Capacity:	1000
Tank Contents:	UNKNOWN
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	4/24/1976
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON MILLS (Continued)

U003675181

Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

**B4
SW
< 1/8
0.059 mi.
312 ft.**

**HUFF PETROLEUM COMPANY INC
30 LAGRANGE ST
PULASKI, VA 24301**

**AST A100266844
N/A**

Site 1 of 3 in cluster B

**Relative:
Higher**

AST:	
Facility ID:	2027545
Facility Type:	PETROLEUM DISTRIBUTOR
CEDS Facility ID:	200000095560

**Actual:
1917 ft.**

Tank Info:

Owner:

Owner Id:	39672
Owner Name:	Huff Petroleum Company Inc
Owner Address:	30 LaGrange St
Owner Address2:	Not reported
Owner City/State/Zip:	Pulaski, VA 24301
Owner Type:	PRIVATE
Number of Active AST:	0
Number of Active UST:	0
Number of Inactive AST:	8
Number of Inactive UST:	0

Fed Regulated:	No
Tank Number:	1
Tank Type:	AST
Tank Capacity:	14500
Tank Contents:	KEROSENE
Tank Status:	DISMANTLED

Tank Containment:

Install Date:	1/1/1938
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Containment: Curbing	No
Containment: Weirs	No
Containment: Sorbent	No
Containment: Culvert	No
Containment: Diversion	No
Containment: Retention	No
Containment: Dike	Yes
Containment: Unknown	No
Containment: Other	No
Containment: Other Note	Not reported
Release Detection:	
Release Detection: Ground Water	No
Release Detection: Visual	Yes
Release Detection: Vapor	No
Release Detection: Interstitial	No
Release Detection: None	No
Release Detection: Other	No
Release Detection: Other Note	Not reported
Release Prevention: Double Bottom	No
Release Prevention: Double Walled	No
Release Prevention: Lined Interior	Not reported
Release Prevention: Poly Jacket	No
Release Prevention: Exc Liner	No
Release Prevention: None	No
Release Prevention: Unknown	No
Release Prevention: Other	No
Release Prevention: Other Note	Not reported
Tank Foundation:	
Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	Yes
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	Not reported
Tank Material:	
Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

Owner:

Owner Id: 39672
Owner Name: Huff Petroleum Company Inc
Owner Address: 30 LaGrange St
Owner Address2: Not reported
Owner City/State/Zip: Pulaski, VA 24301
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 8
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: 2
Tank Type: AST
Tank Capacity: 14500
Tank Contents: GASOLINE
Tank Status: DISMANTLED

Tank Containment:

Install Date: 1/1/1938
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:

Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Release Prevention: Unknown	Yes
Release Prevention: Other	No
Release Prevention: Other Note	Not reported
Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	Yes
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	39672
Owner Name:	Huff Petroleum Company Inc
Owner Address:	30 LaGrange St
Owner Address2:	Not reported
Owner City/State/Zip:	Pulaski, VA 24301
Owner Type:	PRIVATE
Number of Active AST:	0
Number of Active UST:	0
Number of Inactive AST:	8
Number of Inactive UST:	0

Fed Regulated:	No
----------------	----

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Number: 3
Tank Type: AST
Tank Capacity: 14500
Tank Contents: FUEL OIL
Tank Status: DISMANTLED

Tank Containment:
Install Date: 1/1/1938
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown Yes
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp Yes
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldeck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported
Tank Roof: Lifter Not reported
Tank Roof: Pan Not reported
Tank Roof: Other Yes
Tank Roof: Other Note Not reported

Tank Material:
Tank Materials: Bare Steel Yes
Tank Materials: Concrete No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Materials: Insulated Tank Jacket No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported
Tank Type Cathodic/CP: N
Tank Type Single Wall: N
Tank Type Double Wall: N
Tank Type Lined Interior: N
Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

Owner:

Owner Id: 39672
Owner Name: Huff Petroleum Company Inc
Owner Address: 30 LaGrange St
Owner Address2: Not reported
Owner City/State/Zip: Pulaski, VA 24301
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 8
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: 4
Tank Type: AST
Tank Capacity: 14500
Tank Contents: FUEL OIL
Tank Status: DISMANTLED

Tank Containment:

Install Date: 1/1/1938
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:

Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Release Detection: Other	No
Release Detection: Other Note	Not reported
Release Prevention: Double Bottom	No
Release Prevention: Double Walled	No
Release Prevention: Lined Interior	Not reported
Release Prevention: Poly Jacket	No
Release Prevention: Exc Liner	No
Release Prevention: None	No
Release Prevention: Unknown	Yes
Release Prevention: Other	No
Release Prevention: Other Note	Not reported

Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	Yes
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	39672
Owner Name:	Huff Petroleum Company Inc
Owner Address:	30 LaGrange St
Owner Address2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Owner City/State/Zip: Pulaski, VA 24301
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 8
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: 5
Tank Type: AST
Tank Capacity: 14500
Tank Contents: FUEL OIL
Tank Status: DISMANTLED

Tank Containment:
Install Date: 10/1/1938
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown Yes
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp Yes
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	39672
Owner Name:	Huff Petroleum Company Inc
Owner Address:	30 LaGrange St
Owner Address2:	Not reported
Owner City/State/Zip:	Pulaski, VA 24301
Owner Type:	PRIVATE
Number of Active AST:	0
Number of Active UST:	0
Number of Inactive AST:	8
Number of Inactive UST:	0

Fed Regulated:	No
Tank Number:	6
Tank Type:	AST
Tank Capacity:	15000
Tank Contents:	HEATING OIL
Tank Status:	DISMANTLED

Tank Containment:

Install Date:	1/1/1938
Containment: Curbing	No
Containment: Weirs	No
Containment: Sorbent	No
Containment: Culvert	No
Containment: Diversion	No
Containment: Retention	No
Containment: Dike	No
Containment: Unknown	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Containment: Other	No
Containment: Other Note	Not reported
Release Detection:	
Release Detection: Ground Water	No
Release Detection: Visual	No
Release Detection: Vapor	No
Release Detection: Interstitial	No
Release Detection: None	No
Release Detection: Other	No
Release Detection: Other Note	Not reported
Release Prevention: Double Bottom	No
Release Prevention: Double Walled	No
Release Prevention: Lined Interior	Not reported
Release Prevention: Poly Jacket	No
Release Prevention: Exc Liner	No
Release Prevention: None	No
Release Prevention: Unknown	No
Release Prevention: Other	No
Release Prevention: Other Note	Not reported
Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported
Tank Material:	
Tank Materials: Bare Steel	No
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Type Other Specify: N

Owner:

Owner Id: 39672
Owner Name: Huff Petroleum Company Inc
Owner Address: 30 LaGrange St
Owner Address2: Not reported
Owner City/State/Zip: Pulaski, VA 24301
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 8
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: 7
Tank Type: AST
Tank Capacity: 20000
Tank Contents: UNKNOWN
Tank Status: DISMANTLED

Tank Containment:

Install Date: 1/1/1975
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike No
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:

Release Detection: Ground Water No
Release Detection: Visual No
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbideck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	No
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	39672
Owner Name:	Huff Petroleum Company Inc
Owner Address:	30 LaGrange St
Owner Address2:	Not reported
Owner City/State/Zip:	Pulaski, VA 24301
Owner Type:	PRIVATE
Number of Active AST:	0
Number of Active UST:	0
Number of Inactive AST:	8
Number of Inactive UST:	0

Fed Regulated:	No
Tank Number:	8
Tank Type:	AST
Tank Capacity:	20000
Tank Contents:	UNKNOWN
Tank Status:	DISMANTLED

Tank Containment:

Install Date:	1/1/1975
---------------	----------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Containment: Curbing	No
Containment: Weirs	No
Containment: Sorbent	No
Containment: Culvert	No
Containment: Diversion	No
Containment: Retention	No
Containment: Dike	No
Containment: Unknown	No
Containment: Other	No
Containment: Other Note	Not reported

Release Detection:

Release Detection: Ground Water	No
Release Detection: Visual	No
Release Detection: Vapor	No
Release Detection: Interstitial	No
Release Detection: None	No
Release Detection: Other	No
Release Detection: Other Note	Not reported
Release Prevention: Double Bottom	No
Release Prevention: Double Walled	No
Release Prevention: Lined Interior	Not reported
Release Prevention: Poly Jacket	No
Release Prevention: Exc Liner	No
Release Prevention: None	No
Release Prevention: Unknown	No
Release Prevention: Other	No
Release Prevention: Other Note	Not reported

Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	No
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM COMPANY INC (Continued)

A100266844

Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

B5
SW
< 1/8
0.059 mi.
312 ft.

HUFF PETROLEUM BULK PLANT
30 LAGRANGE ST
PULASKI, VA 24301

LUST **S108758640**
LTANKS **N/A**

Relative:
Higher

Site 2 of 3 in cluster B

Actual:
1917 ft.

LUST REG WC:
Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 08/08/2006
Pollution Control #: 20072012
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 10/04/2007
Pollution Control #: 20082025
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Region: WC
Case Status: Not reported
Date Reported: 09/10/1995
Date Closed: Not reported
Release Reported: Not reported
Pollution Control #: 96-1025A
Case Manager: Not reported
Owner Name: HUFF PETROLEUM CO.
Owner Address: P.O. BOX 621
Owner City,St,Zip: PULASKI, VA 24301
Owner Phone: 703-980-1011

LTANKS:

Region: BRRO-R

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUFF PETROLEUM BULK PLANT (Continued)

S108758640

CEDS Facility Id: 200000095560
Case Status: Closed
Pollution Complaint #: 20082025
Reported: 10/04/2007

Region: BRRO-R
CEDS Facility Id: 200000095560
Case Status: Closed
Pollution Complaint #: 20072012
Reported: 08/08/2006

Region: BRRO-R
CEDS Facility Id: 200000095560
Case Status: Closed
Pollution Complaint #: 19961025
Reported: 09/11/1995

C6
East
< 1/8
0.075 mi.
397 ft.

190 1ST STREET NW
PULASKI, VA 24301

RCRA-SQG

1007210918
VAR000506873

Site 1 of 2 in cluster C

Relative:
Lower

RCRA-SQG:

Date form received by agency: 02/19/2004
Facility name: Not reported
Facility address: 190 1ST STREET NW
PULASKI, VA 24301
EPA ID: VAR000506873
Mailing address: 1ST STREET NW
PULASKI, VA 24301
Contact: DONALD BEVERLY JR.
Contact address: Not reported
Contact country: US
Contact telephone: (800) 523-3284
Contact email: Not reported
EPA Region: Not reported
Land type: Private
Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DONALD BEVERLY JR.
Owner/operator address: Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1983
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1007210918

Owner/operator name: VIRGINIA CHURCH FURNITURE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1983
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

. Waste code: D001
. Waste name: IGNITABLE WASTE

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

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/04/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/2004
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C7 East < 1/8 0.075 mi. 397 ft.	VA CHURCH FURNITURE 190 FIRST STREET NW PULASKI, VA 24301 Site 2 of 2 in cluster C	LTANKS	1004607342 N/A
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Relative: Lower	LTANKS:
	Region: BRRO-R
	CEDS Facility Id: 200000082904
Actual: 1906 ft.	Case Status: Closed
	Pollution Complaint #: 19991224
	Reported: 05/25/1999

8 NNW < 1/8 0.080 mi. 421 ft.	WESTEND GARAGE 303 W MAIN ST PULASKI, VA 24301	EDR Hist Auto	1020423263 N/A
---	---	----------------------	---------------------------------

Relative: Higher	EDR Hist Auto																																																			
Actual: 1920 ft.																																																				
	<table><tr><td>Year:</td><td>Name:</td><td>Type:</td></tr><tr><td>1988</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1989</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1990</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1991</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1992</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1993</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1994</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1995</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1996</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1997</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1998</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>1999</td><td>WESTEND GARAGE</td><td>General Automotive Repair Shops</td></tr><tr><td>2005</td><td>KIRBY SERVICE CENTER</td><td>Automotive Repair Shops, NEC</td></tr><tr><td>2006</td><td>KIRBY SERVICE CENTER</td><td>Automotive Repair Shops, NEC</td></tr><tr><td>2007</td><td>KIRBYS SERVICE CENTER LLC</td><td>Automotive Repair Shops, NEC</td></tr><tr><td>2008</td><td>KIRBYS SERVICE CENTER LLC</td><td>Automotive Repair Shops, NEC</td></tr></table>	Year:	Name:	Type:	1988	WESTEND GARAGE	General Automotive Repair Shops	1989	WESTEND GARAGE	General Automotive Repair Shops	1990	WESTEND GARAGE	General Automotive Repair Shops	1991	WESTEND GARAGE	General Automotive Repair Shops	1992	WESTEND GARAGE	General Automotive Repair Shops	1993	WESTEND GARAGE	General Automotive Repair Shops	1994	WESTEND GARAGE	General Automotive Repair Shops	1995	WESTEND GARAGE	General Automotive Repair Shops	1996	WESTEND GARAGE	General Automotive Repair Shops	1997	WESTEND GARAGE	General Automotive Repair Shops	1998	WESTEND GARAGE	General Automotive Repair Shops	1999	WESTEND GARAGE	General Automotive Repair Shops	2005	KIRBY SERVICE CENTER	Automotive Repair Shops, NEC	2006	KIRBY SERVICE CENTER	Automotive Repair Shops, NEC	2007	KIRBYS SERVICE CENTER LLC	Automotive Repair Shops, NEC	2008	KIRBYS SERVICE CENTER LLC	Automotive Repair Shops, NEC
Year:	Name:	Type:																																																		
1988	WESTEND GARAGE	General Automotive Repair Shops																																																		
1989	WESTEND GARAGE	General Automotive Repair Shops																																																		
1990	WESTEND GARAGE	General Automotive Repair Shops																																																		
1991	WESTEND GARAGE	General Automotive Repair Shops																																																		
1992	WESTEND GARAGE	General Automotive Repair Shops																																																		
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2005	KIRBY SERVICE CENTER	Automotive Repair Shops, NEC																																																		
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2007	KIRBYS SERVICE CENTER LLC	Automotive Repair Shops, NEC																																																		
2008	KIRBYS SERVICE CENTER LLC	Automotive Repair Shops, NEC																																																		

B9 SSW < 1/8 0.088 mi. 465 ft.	REGIONAL EMS PULASKI STATI 60 LAGRANGE ST PULASKI, VA 24301 Site 3 of 3 in cluster B	EDR Hist Auto	1022011501 N/A
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Relative: Higher	EDR Hist Auto						
Actual: 1924 ft.							
	<table><tr><td>Year:</td><td>Name:</td><td>Type:</td></tr><tr><td>2006</td><td>REGIONAL EMS PULASKI STATI</td><td>Gasoline Service Stations</td></tr></table>	Year:	Name:	Type:	2006	REGIONAL EMS PULASKI STATI	Gasoline Service Stations
Year:	Name:	Type:					
2006	REGIONAL EMS PULASKI STATI	Gasoline Service Stations					

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D10
WSW
< 1/8
0.097 mi.
513 ft.

CONNIE OIL INC
425 W COMMERCE ST
PULASKI, VA 24301

Site 1 of 2 in cluster D

LUST
LTANKS
UST
AST

U003676237
N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Not reported
Date Reported: 04/30/1993
Date Closed: Not reported
Release Reported: Not reported
Pollution Control #: 93-2158A
Case Manager: Not reported
Owner Name: NEW RIVER OIL, INC.
Owner Address: P.O. DRAWER 151
Owner City,St,Zip: PULASKI, VA 24301
Owner Phone: 703-980-1160

Actual:
1920 ft.

Region: WC
Case Status: Not reported
Date Reported: 08/13/1998
Date Closed: 1998-11-03 00:00:00
Release Reported: Not reported
Pollution Control #: 99-1029A
Case Manager: Not reported
Owner Name: NEW RIVER BULK PLANT LLC
Owner Address: 425 WEST COMMERCE ST.
Owner City,St,Zip: PULASKI, VA 24301
Owner Phone: 540-980-1160

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000096011
Case Status: Closed
Pollution Complaint #: 19991029
Reported: 08/13/1998

Region: BRRO-R
CEDS Facility Id: 200000096011
Case Status: Closed
Pollution Complaint #: 19932158
Reported: 04/30/1993

Facility:

Facility Id: 2013783
Facility Type: PETROLEUM DISTRIBUTOR
CEDS Facility ID: 200000096011

Owner:

Owner Id: 29870
Owner Name: Conny Oil Inc (Roanoke Oil Distributors)
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City, State, Zip: Roanoke, VA 24012
Owner Type: COMMERCIAL
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Number of Inactive UST: 2

Owner Id: 30844
Owner Name: New River Oils Inc
Owner Address: PO Box 358
Owner Address2: Not reported
Owner City, State, Zip: Snowshoe, WV 26209
Owner Type: COMMERCIAL
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City, State, Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

UST:

Facility ID: 2013783
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 550
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 5/2/1966
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	2013783
Federally Regulated:	Yes
Tank Number:	R2
Tank Capacity:	1000
Tank Contents:	DIESEL
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/3/1983
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

NO VALVE: SUCTION

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

AST:

Facility ID:	2013783
Facility Type:	PETROLEUM DISTRIBUTOR
CEDS Facility ID:	200000096011

Tank Info:

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner Id: 30844
Owner Name: New River Oils Inc
Owner Address: PO Box 358
Owner Address2: Not reported
Owner City/State/Zip: Snowshoe, WV 26209
Owner Type: COMMERCIAL
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 1
Tank Type: AST
Tank Capacity: 22500
Tank Contents: UNKNOWN
Tank Status: PERM OUT OF USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Release Prevention: Other	No
Release Prevention: Other Note	Not reported
Tank Foundation: Steel	No
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner Address: PO Box 358
Owner Address2: Not reported
Owner City/State/Zip: Snowshoe, WV 26209
Owner Type: COMMERCIAL
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 2
Tank Type: AST
Tank Capacity: 12144
Tank Contents: GASOLINE
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Foundation: Steel	Yes
Tank Foundation: Earthen	No
Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner Type: COMMERCIAL
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 3
Tank Type: AST
Tank Capacity: 19388
Tank Contents: HEATING OIL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Foundation: Concrete Imp	No
Tank Foundation: Unknown	No
Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 4
Tank Type: AST
Tank Capacity: 19388
Tank Contents: HEATING OIL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Foundation: Other	No
Tank Foundation: Other Note	Not reported
Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Number of Inactive UST: 2

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 5
Tank Type: AST
Tank Capacity: 22500
Tank Contents: HEATING OIL
Tank Status: PERM OUT OF USE

Tank Containment:

Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:

Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Roof: Float	No
Tank Roof: Cone	No
Tank Roof: Breather	Not reported
Tank Roof: Dbldck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner Id: 38987
Owner Name: Three Bs Inc
Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 6
Tank Type: AST
Tank Capacity: 21699
Tank Contents: KEROSENE
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Roof: Breather	Not reported
Tank Roof: Dbldeck	Not reported
Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	38987
Owner Name:	Three Bs Inc

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner Address: 812 Missouri Ave NE
Owner Address2: Not reported
Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 7C
Tank Type: AST
Tank Capacity: 13051
Tank Contents: LUBE OIL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Roof: Pontoon	Not reported
Tank Roof: Balloon	Not reported
Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	Yes
Tank Roof: Other Note	NONE

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	38987
Owner Name:	Three Bs Inc
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Owner City/State/Zip: Roanoke, VA 24012
Owner Type: PRIVATE
Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 8C
Tank Type: AST
Tank Capacity: 12047
Tank Contents: LUBE OIL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 1/1/1954
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner Yes
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Roof: Lifter	Not reported
Tank Roof: Pan	Not reported
Tank Roof: Other	No
Tank Roof: Other Note	Not reported

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

Owner:

Owner Id:	29870
Owner Name:	Conny Oil Inc (Roanoke Oil Distributors)
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City/State/Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	7
Number of Active UST:	0
Number of Inactive AST:	2
Number of Inactive UST:	2

Owner Id:	38987
Owner Name:	Three Bs Inc
Owner Address:	812 Missouri Ave NE
Owner Address2:	Not reported
Owner City/State/Zip:	Roanoke, VA 24012
Owner Type:	PRIVATE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Number of Active AST: 7
Number of Active UST: 0
Number of Inactive AST: 2
Number of Inactive UST: 2

Fed Regulated: No
Tank Number: 9-Oct
Tank Type: AST
Tank Capacity: 2000
Tank Contents: DIESEL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 5/1/2006
Containment: Curbing Yes
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion Yes
Containment: Retention No
Containment: Dike No
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled Yes
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen Yes
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldeck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported
Tank Roof: Lifter Not reported
Tank Roof: Pan Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONNIE OIL INC (Continued)

U003676237

Tank Roof: Other No
Tank Roof: Other Note Horizontal

Tank Material:

Tank Materials: Bare Steel Yes
Tank Materials: Concrete No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported
Tank Type Cathodic/CP: N
Tank Type Single Wall: N
Tank Type Double Wall: N
Tank Type Lined Interior: N
Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

D11
WSW
< 1/8
0.097 mi.
513 ft.

NEW RIVER OILS INC
425 COMMERCE ST
PULASKI, VA 24301
Site 2 of 2 in cluster D

EDR Hist Auto 1021995409
N/A

Relative:
Higher

EDR Hist Auto

Actual:
1920 ft.

Year:	Name:	Type:
1971	NEW RIVER OILS INC	Toys And Hobby Goods And Supplies
1972	NEW RIVER OILS INC	Toys And Hobby Goods And Supplies
1973	NEW RIVER OILS INC	Toys And Hobby Goods And Supplies
1974	NEW RIVER OILS INC	Petroleum Products, NEC
1975	NEW RIVER OILS INC	Petroleum Products, NEC
1976	NEW RIVER OILS INC	Petroleum Products, NEC
1977	NEW RIVER OILS INC	Petroleum Products, NEC
1978	NEW RIVER OILS INC	Petroleum Products, NEC
1994	NEW RIVER OILS INC	Petroleum Products, NEC
1995	NEW RIVER OILS INC	Petroleum Products, NEC
1996	NEW RIVER OILS INC	Petroleum Products, NEC
1997	NEW RIVER OILS LLC	Petroleum Products, NEC
1998	NEW RIVER OILS LLC	Petroleum Products, NEC
1999	NEW RIVER OILS LLC	Petroleum Products, NEC
2000	NEW RIVER OILS LLC	Petroleum Products, NEC
2001	NEW RIVER OILS LLC	Petroleum Products, NEC
2002	NEW RIVER OILS LLC	Petroleum Products, NEC
2003	NEW RIVER OILS LLC	Petroleum Products, NEC
2004	NEW RIVER OILS LLC	Petroleum Products, NEC

E12	MAIN STREET LAUNDRY AND UNF		EDR Hist Cleaner	1020033268
NE	163 W MAIN ST			N/A
< 1/8	PULASKI, VA 24301			
0.097 mi.				
513 ft.	Site 1 of 3 in cluster E			
Relative:	EDR Hist Cleaner			
Lower				
	Year:	Name:	Type:	
Actual: 1907 ft.	1970	PULASKI LAUNDRY & DRY CLEANERS	Power Laundries, Family And Commercial	
	1971	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1972	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1973	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1974	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1976	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1977	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1978	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1979	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1980	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1982	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1983	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1985	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1986	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1987	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1988	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1989	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1990	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1991	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1992	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1993	PULASKI LAUNDRY INC	Power Laundries, Family And Commercial	
	1994	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	1995	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	1996	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	1997	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	1998	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	1999	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
	2000	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial	
2001	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2002	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2003	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2004	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2005	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2006	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2007	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2008	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2009	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2010	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2011	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2012	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2013	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		
2014	MAIN STREET LAUNDRY AND UNF	Power Laundries, Family And Commercial		

Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
E13 NE < 1/8 0.106 mi. 562 ft.	WILSONS CLEANERS 143 W MAIN ST PULASKI, VA 24301 Site 2 of 3 in cluster E	EDR Hist Cleaner	1018600938 N/A
Relative: Lower	EDR Hist Cleaner		
Actual: 1906 ft.	Year: Name:	Type:	
	1987 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning	
	1988 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning	
	1990 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
	1991 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
	1992 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
	1993 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
	1994 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
	1995 WILSONS CLEANERS	Coin-Operated Laundries And Cleaning, NEC	
E14 NE < 1/8 0.113 mi. 597 ft.	CECILS AUTO REPAIR INC 131 W MAIN ST PULASKI, VA 24301 Site 3 of 3 in cluster E	EDR Hist Auto	1021496970 N/A
Relative: Lower	EDR Hist Auto		
Actual: 1906 ft.	Year: Name:	Type:	
	1973 THORNTON GARAGE	General Automotive Repair Shops	
	1974 THORNTON GARAGE	General Automotive Repair Shops	
	1975 THORNTON GARAGE	General Automotive Repair Shops	
	1976 THORNTON GARAGE	General Automotive Repair Shops	
	1977 THORNTON GARAGE	General Automotive Repair Shops	
	1987 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1988 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1989 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1990 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1991 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1992 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1993 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1994 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1995 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1996 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1997 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1998 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	1999 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	2000 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	2001 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	2002 CECILS AUTO REPAIR INC	General Automotive Repair Shops	
	2007 JIMMY BOWMANS AUTOMOTIVE REPR	General Automotive Repair Shops	
	2008 JIMMY BOWMANS AUTOMOTIVE REPR	General Automotive Repair Shops	
	2009 JIMMY BOWMANS AUTOMOTIVE REPR	General Automotive Repair Shops	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

15
East
1/8-1/4
0.133 mi.
704 ft.

PULASKI FIRE DEPARTMENT
117 NORTH JEFFERSON AVENUE
PULASKI, VA 24301

UST **U003677069**
N/A

Relative:
Lower

Facility:

Facility Id: 2019256
Facility Type: LOCAL
CEDS Facility ID: 200000081223

Actual:
1903 ft.

Owner:

Owner Id: 38197
Owner Name: Town of Pulaski
Owner Address: PO Box 660
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 1

UST:

Facility ID: 2019256
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 1000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 5/5/1985
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FIRE DEPARTMENT (Continued)

U003677069

Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

F16
NW
1/8-1/4
0.155 mi.
820 ft.

4 MAGNOX DRIVE
PULASKI, VA 24301

Site 1 of 3 in cluster F

RCRA-CESQG 1000318671
VAD153226832

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 03/19/2010

Facility name: Not reported

Facility address: 4 MAGNOX DRIVE
PULASKI, VA 24301

EPA ID: VAD153226832

Mailing address: MAGNOX DRIVE
PULASKI, VA 24301

Contact: MELISSA S WRIGHT

Contact address: MAGNOX DRIVE
PULASKI, VA 24301

Contact country: US

Contact telephone: (540) 980-9410

Contact email: MWRIGHT@NANOCHEMONICS.COM

EPA Region: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000318671

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: NANOCHEMONICS HOLDINGS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/21/2006
Owner/Op end date: Not reported

Owner/operator name: WILLIAM ARMFIELD
Owner/operator address: MAGNOX DRIVE
PULASKI, VA 24301
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/21/2006
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: DINITTO CARMINE A
Owner/operator address: 1 MAGNOX DR
PULASKI, VA 24301
Owner/operator country: Not reported
Owner/operator telephone: (540) 980-3500
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000318671

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

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D009
. Waste name: MERCURY

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

Historical Generators:

Date form received by agency: 02/23/2010
Site name: NANO-CHEMICALS HOLDINGS, LLC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D009
. Waste name: MERCURY

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

Date form received by agency: 09/18/2006
Site name: NANO-CHEMICALS HOLDINGS, LLC
Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000318671

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 08/18/1999
Site name: MAGNOX PULASKI INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/06/1989
Site name: MAGNOX PULASKI INC
Classification: Small Quantity Generator

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/09/1990
Date achieved compliance: 08/05/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000318671

Enforcement action date: 09/04/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/09/1990
Date achieved compliance: 08/05/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/04/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/23/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/05/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/05/1998
Evaluation lead agency: State

Evaluation date: 08/05/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/05/1998
Evaluation lead agency: State

Evaluation date: 08/09/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/05/1998
Evaluation lead agency: State

Evaluation date: 08/09/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/05/1998
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F17
NW
1/8-1/4
0.155 mi.
820 ft.
NANOCHEMONICS SITE
4 MAGNOX DRIVE
PULASKI, VA 24301
Site 2 of 3 in cluster F

SEMS **1014202079**
PRP **VAN000306716**

Relative:
Higher

SEMS:

Site ID: 306716
EPA ID: VAN000306716
Federal Facility: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Actual:
1929 ft.

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0306716
EPA ID: VAN000306716
Facility County: PULASKI
Short Name: NANOCHEMONICS SITE
Congressional District: 09
IFMS ID: A3QR
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: R
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 03
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date: 08/30/10
Site Fips Code: 51155
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 3000189.00000
Contact Name: MICHAEL T TOWLE
Contact Tel: (215) 814-3272
Contact Title: On-Scene Coordinator (OSC)
Contact Email: Not reported

Contact ID: 3275683.00000
Contact Name: DAWN FULSHER-THATCHER
Contact Tel: (215) 814-3270
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NANOCHEMONICS SITE (Continued)

1014202079

Alias Comments: Not reported
Site Description: Nanochemonics formerly manufactured nanoparticle iron oxides for various industries.

CERCLIS Assessment History:

Action Code: 001
Action: REMOVAL ASSESSMENT
Date Started: 08/30/10
Date Completed: 09/02/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: Notice Letters Issued
Date Started: / /
Date Completed: 09/29/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/30/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: ADMINISTRATIVE RECORDS
Date Started: / /
Date Completed: 10/07/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: ADMINISTRATIVE RECORDS
Date Started: / /
Date Completed: 10/07/10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NANOCHEMONICS SITE (Continued)

1014202079

Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: Notice of Intent by All Parties
Date Started: / /
Date Completed: 10/22/10
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 09/02/10
Date Completed: 01/10/11
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Emergency
Action Anomaly: Not reported

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 01/10/11
Date Completed: 04/08/11
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 04/08/11
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 003
Action: ADMINISTRATIVE RECORDS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NANOCHEMONICS SITE (Continued)

1014202079

Date Started: / /
Date Completed: 04/18/11
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: REMOVAL
Date Started: 11/08/10
Date Completed: / /
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 04/08/11
Date Completed: / /
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

PRP:
PRP name: NANOCHEMONICS HOLDINGS, LLC.
STNP, LLC.

**F18
NW
1/8-1/4
0.155 mi.
820 ft.**

**MAGNOX PULASKI INC
4 MAGNOX DR
PULASKI, VA 24301
Site 3 of 3 in cluster F**

**AST A100353628
N/A**

**Relative:
Higher**

AST:
Facility ID: 2030021
Facility Type: INDUSTRIAL
CEDS Facility ID: 200000083072

**Actual:
1929 ft.**

Tank Info:

Owner:
Owner Id: 39567
Owner Name: Magnox Pulaski Inc
Owner Address: 4 Magnox Dr
Owner Address2: Not reported
Owner City/State/Zip: Pulaski, VA 24301
Owner Type: COMMERCIAL
Number of Active AST: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOX PULASKI INC (Continued)

A100353628

Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: 8681
Tank Type: AST
Tank Capacity: 24999
Tank Contents: FUEL OIL
Tank Status: CURR IN USE

Tank Containment:
Install Date: 11/21/1977
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None Yes
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel Yes
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp No
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone Yes
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported
Tank Roof: Lifter Not reported
Tank Roof: Pan Not reported
Tank Roof: Other No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAGNOX PULASKI INC (Continued)

A100353628

Tank Roof: Other Note Not reported

Tank Material:

Tank Materials: Bare Steel	Yes
Tank Materials: Concrete	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Tank Type Cathodic/CP:	N
Tank Type Single Wall:	N
Tank Type Double Wall:	N
Tank Type Lined Interior:	N
Tank Type Double Bottom:	N
Tank Type Potable/Skid:	N
Tank Type Shop Fabricated/Built:	N
Tank Type Vaulted Below Grade:	N
Tank Type Vertical:	N
Tank Type Horizontal:	N
Tank Type Unknown:	N
Tank Type Other:	N
Tank Type Other Specify:	N

G19
WSW
1/8-1/4
0.160 mi.
845 ft.

NEHI BOTTLING
609 COMMERCE ST
PULASKI, VA 24301
Site 1 of 2 in cluster G

UST U003676251
N/A

Relative:
Higher

Facility:

Facility Id:	2013801
Facility Type:	COMMERCIAL
CEDS Facility ID:	200000081217

Actual:
1920 ft.

Owner:

Owner Id:	30844
Owner Name:	New River Oils Inc
Owner Address:	PO Box 358
Owner Address2:	Not reported
Owner City, State, Zip:	Snowshoe, WV 26209
Owner Type:	COMMERCIAL
Number of Active AST:	0
Number of Active UST:	0
Number of Inactive AST:	0
Number of Inactive UST:	1

UST:

Facility ID:	2013801
Federally Regulated:	Yes

Tank Number:	1
Tank Capacity:	1000
Tank Contents:	GASOLINE
Tank Status:	PERM OUT OF USE
Tank Type:	UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEHI BOTTLING (Continued)

U003676251

Tank Material:

Install Date:	5/5/1961
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

20
NNE
1/8-1/4
0.172 mi.
909 ft.

PULASKI COUNTY CIRCUIT COURT
143 3RD ST NW
PULASKI, VA 24301

LTANKS **S107870176**
N/A

Relative:
Higher

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000081222
Case Status: Closed
Pollution Complaint #: 19941545
Reported: 01/20/1994

Actual:
1915 ft.

G21
West
1/8-1/4
0.172 mi.
909 ft.

SADLER HOSIERY MILLS INC
535 COMMERCE ST
PULASKI, VA 24301

RCRA NonGen / NLR **1000280434**
FINDS **VAD003123429**
ECHO

Site 2 of 2 in cluster G

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 08/18/1980
Facility name: Not reported
Facility address: 535 COMMERCE ST
PULASKI, VA 24301
EPA ID: VAD003123429
Mailing address: PO BOX 471
PULASKI, VA 24301
Contact: ENVIRONMENTAL COORDINATOR
Contact address: 535 COMMERCE ST
PULASKI, VA 24301
Contact country: US
Contact telephone: (215) 555-1212
Contact email: Not reported
EPA Region: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
1920 ft.

Owner/Operator Summary:

Owner/operator name: Not reported
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner
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: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SADLER HOSIERY MILLS INC (Continued)

1000280434

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

Violation Status: No violations found

FINDS:

Registry ID: 110005218656

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.

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

ECHO:

Envid: 1000280434
Registry ID: 110005218656
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110005218656>

H22
NE
1/8-1/4
0.176 mi.
931 ft.

235 N JEFFERSON AVENUE
PULASKI, VA 24301

Site 1 of 2 in cluster H

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 06/06/2011
Facility name: Not reported
Facility address: 235 N JEFFERSON AVENUE
PULASKI, VA 24301
EPA ID: VAD062368543
Mailing address: PROSPECT AVENUE, NW
333 REPUBLIC BLDG
CLEVELAND, OH 44115
Contact: APRIL A URBAN
Contact address: PROSPECT AVENUE, NW 333 REPUBLIC BLDG

RCRA-CESQG **1000370844**
VAD062368543

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000370844

CLEVELAND, OH 44115
Contact country: US
Contact telephone: (216) 515-7850
Contact email: APRIL.A.URBAN@SHERWIN.COM
EPA Region: Not reported
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: THE SHERWIN-WILLIAMS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/1979
Owner/Op end date: Not reported

Owner/operator name: HEDGEWOOD ASSOCIATES, LTD.
Owner/operator address: BLOOMSBURY LANE
SPOTSYLVANIA, VA 22553
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/1979
Owner/Op end date: Not reported

Owner/operator name: SHERWIN-WILLIAMS CO
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000370844

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Historical Generators:

Date form received by agency: 03/09/2011
Site name: SHERWIN-WILLIAMS # 5025
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/07/2011
Site name: SHERWIN-WILLIAMS # 5025
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: SHERWIN-WILLIAMS CO THE
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000370844

- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F017
- . Waste name: Not Defined
- . Waste code: F018
- . Waste name: Not Defined
- . Waste code: P090
- . Waste name: Not Defined
- . Waste code: U002
- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U031
- . Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
- . Waste code: U220
- . Waste name: BENZENE, METHYL- (OR) TOLUENE
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000370844

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/24/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

23
East
1/8-1/4
0.207 mi.
1095 ft.

TOWN OF PULASKI MUNICIPAL BLDG & POLICE STATI
42 FIRST ST NW
PULASKI, VA 24301

UST U003677071
N/A

Relative:
Lower

Facility:

Facility Id: 2019258
Facility Type: LOCAL
CEDS Facility ID: 200000089646

Actual:
1903 ft.

Owner:

Owner Id: 38197
Owner Name: Town of Pulaski
Owner Address: PO Box 660
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 1

UST:

Facility ID: 2019258
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 1000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 1/1/1960
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI MUNICIPAL BLDG & POLICE STATI (Continued)

U003677071

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

NO VALVE: SUCTION

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

**H24
NE
1/8-1/4
0.210 mi.
1111 ft.**

**COUNTY ADMINISTRATION BUILDING
143 3RD ST NW
PULASKI, VA 24301**

**AST S105118287
N/A**

Site 2 of 2 in cluster H

**Relative:
Higher**

AST:

Facility ID:	2016074
Facility Type:	LOCAL
CEDS Facility ID:	200000081222

**Actual:
1910 ft.**

Tank Info:

Owner:

Owner Id:	28567
Owner Name:	County of Pulaski
Owner Address:	"143 THIRD STREET, NW - SUITE 1"
Owner Address2:	Not reported
Owner City/State/Zip:	PULASKI, VA 24301

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY ADMINISTRATION BUILDING (Continued)

S105118287

Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 0

Fed Regulated: No
Tank Number: AST-1
Tank Type: AST
Tank Capacity: 2000
Tank Contents: HEATING OIL
Tank Status: DISMANTLED

Tank Containment:
Install Date: Not reported
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike No
Containment: Unknown Yes
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled No
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None Yes
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp Yes
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported
Tank Roof: Lifter Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COUNTY ADMINISTRATION BUILDING (Continued)

S105118287

Tank Roof: Pan Not reported
Tank Roof: Other Yes
Tank Roof: Other Note NONE

Tank Material:

Tank Materials: Bare Steel Yes
Tank Materials: Concrete No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported
Tank Type Cathodic/CP: N
Tank Type Single Wall: N
Tank Type Double Wall: N
Tank Type Lined Interior: N
Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

25
SE
1/8-1/4
0.218 mi.
1149 ft.

JEFFERSON SCHOOL
85 FIRST STREET SOUTHWEST
PULASKI, VA 24301

US BROWNFIELDS 1014949073
ECHO N/A

Relative:
Higher

US BROWNFIELDS:

Property Name: JEFFERSON SCHOOL
Recipient Name: Pulaski, Town of
Grant Type: Assessment
Property Number: Not reported
Parcel size: 2.14
Latitude: 37.0438029
Longitude: -80.781903
HCM Label: Not reported
Map Scale: Not reported
Point of Reference: Not reported
Highlights: Not reported
Datum: Not reported
Acres Property ID: 125908
IC Data Access: Not reported
Start Date: Not reported
Redev Completion Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: 7500
Assessment Funding Source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding: Not reported

Actual:
1916 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SCHOOL (Continued)

1014949073

Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	97380701
Start Date:	05/19/2010 00:00:00
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SCHOOL (Continued)

1014949073

VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	2.14
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	2.14
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Jefferson School operated as a public school from 1924 to the late 1980s. Currently the property is unused and in a state of disrepair.
Below Poverty Number:	315
Below Poverty Percent:	5.3%
Meidan Income:	553
Meidan Income Number:	754
Meidan Income Percent:	2.2%
Vacant Housing Number:	216
Vacant Housing Percent:	7.7%
Unemployed Number:	104
Unemployed Percent:	16.0%

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEFFERSON SCHOOL (Continued)

1014949073

ECHO:

Envid: 1014949073
Registry ID: 110001895085
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001895085>

I26
WSW
1/8-1/4
0.221 mi.
1167 ft.

TOWN OF PULASKI PUBLIC WORKS
27 STATE ST
PULASKI, VA 24301

UST
Financial Assurance

U003677070
N/A

Site 1 of 5 in cluster I

Relative:
Higher

Facility:

Facility Id: 2019257
Facility Type: LOCAL
CEDS Facility ID: 200000088337

Actual:
1931 ft.

Owner:

Owner Id: 38197
Owner Name: Town of Pulaski
Owner Address: PO Box 660
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 2
Number of Inactive AST: 0
Number of Inactive UST: 5

UST:

Facility ID: 2019257
Federally Regulated: Yes

Tank Number: 3C
Tank Capacity: 6000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:

Install Date: 3/8/2000
Tank Materials: Bare Steel No
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other Yes
Tank Materials: Other Note Epoxy Coated Steel

Release Detection:

Tank Release Detection: Leak Deferred No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2019257
Federally Regulated:	Yes

Tank Number:	4C
Tank Capacity:	4000
Tank Contents:	DIESEL
Tank Status:	CURR IN USE
Tank Type:	UST

Tank Material:	
Install Date:	3/8/2000
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	Yes
Tank Materials: Other Note	Epoxy Coated Steel

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	Yes
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	Yes
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2019257
Federally Regulated:	Yes

Tank Number:	R1
Tank Capacity:	2000
Tank Contents:	DIESEL
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	1/1/1960
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2019257
Federally Regulated:	Yes

Tank Number:	R1C
Tank Capacity:	5000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 3/13/1991
Tank Materials: Bare Steel No
Tank Materials: Cath Protect Steel Yes
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior Yes
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge Yes
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness Yes
Tank Release Detection: Vapor Monitor Yes
Tank Release Detection: Inventory Yes
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install Yes
Tank Release Detection: Overfill Install Yes
Tank Release Detection: Groundwater Yes
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness Yes
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel No
Pipe Materials: Galvanized Steel No
Pipe Materials: Copper No
Pipe Materials: Fiberglass Yes
Pipe Materials: Cath Protect No
Pipe Materials: Double Walled No
Pipe Materials: Sec Containment No
Pipe Materials: Repaired No
Pipe Materials: Unknown No
Pipe Materials: Other No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Pipe Materials: Other Note	Not reported
Facility ID:	2019257
Federally Regulated:	Yes
Tank Number:	R2
Tank Capacity:	2000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	1/1/1960
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2019257
Federally Regulated:	Yes

Tank Number:	R2C
Tank Capacity:	5000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	3/13/1991
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	Yes
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	Yes
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	Yes
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	Yes
Tank Release Detection: Vapor Monitor	Yes
Tank Release Detection: Inventory	Yes
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	Yes
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2019257
Federally Regulated:	Yes

Tank Number:	R3
Tank Capacity:	2000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	1/1/1960
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

U003677070

Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

VA Financial Assurance 1:

Facility ID:	2019257
Owner Name:	Town of Pulaski
ROF Own Id:	38197
Tank Type:	UST
Mechanism:	Not reported
Gallonage:	Not reported
Per Occurrence:	Not reported
Third Party:	Not reported
Annual Aggregate:	Not reported
In Compliance:	Not reported
Total Capacity:	6000
CEDS Facility Name:	Town of Pulaski Public Works
Tank Status:	CURR IN USE
Active Federally Regualted UST:	Y

Facility ID:	2019257
Owner Name:	Town of Pulaski
ROF Own Id:	38197
Tank Type:	UST
Mechanism:	Not reported
Gallonage:	Not reported
Per Occurrence:	Not reported
Third Party:	Not reported
Annual Aggregate:	Not reported
In Compliance:	Not reported
Total Capacity:	4000
CEDS Facility Name:	Town of Pulaski Public Works
Tank Status:	CURR IN USE
Active Federally Regualted UST:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I27 TOWN OF PULASKI PUBLIC WORKS BUILDING
WSW 27 STATE ST
1/8-1/4 PULASKI, VA 24301
0.221 mi.
1167 ft. Site 2 of 5 in cluster I

LUST S108247743
LTANKS N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 05/31/2007
Pollution Control #: 20072110
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
1931 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000088337
Case Status: Closed
Pollution Complaint #: 20072110
Reported: 05/31/2007

I28 TOWN OF PULASKI PUBLIC WORKS
WSW 27 STATE ST
1/8-1/4 PULASKI, VA 24301
0.221 mi.
1167 ft. Site 3 of 5 in cluster I

LUST S111684308
LTANKS N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 09/14/2006
Pollution Control #: 20072034
Case Manager: Karen M Kastning
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
1931 ft.

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 02/07/2012
Pollution Control #: 20122252
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

LTANKS:

Region: BRRO-R

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI PUBLIC WORKS (Continued)

S111684308

CEDS Facility Id: 200000088337
Case Status: **Closed**
Pollution Complaint #: 20122252
Reported: 02/07/2012

I29
West
1/8-1/4
0.247 mi.
1302 ft.

HERCULES PLANT - PULASKI
720 COMMERCE ST
PULASKI, VA 24301

SEMS-ARCHIVE

1003866142
VAD980705636

Site 4 of 5 in cluster I

Relative:
Higher

SEMS-ARCHIVE:

Site ID: 302745
EPA ID: VAD980705636

Actual:
1931 ft.

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

Following information was gathered from the prior CERCLIS update completed in 10/2013:

Site ID: 0302745
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: 09/24/86
Date Completed: 10/02/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 10/02/86
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 07/09/86
Priority Level: Not reported

I30
West
1/8-1/4
0.247 mi.
1302 ft.

PULASKI PLANT
720 COMMERCE ST
PULASKI, VA 24301

UST **U003675646**
N/A

Site 5 of 5 in cluster I

Relative:
Higher

Facility:

Facility Id: 2010850
Facility Type: COMMERCIAL
CEDS Facility ID: 200000089645

Actual:
1931 ft.

Owner:

Owner Id: 39567
Owner Name: Magnox Pulaski Inc
Owner Address: 4 Magnox Dr
Owner Address2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI PLANT (Continued)

U003675646

Owner City, State, Zip: Pulaski, VA 24301
Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 1

UST:

Facility ID: 2010850
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 1000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 4/30/1974
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI PLANT (Continued)

U003675646

Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

31
ENE
1/4-1/2
0.262 mi.
1385 ft.

FORMER BB&T BUILDING
1 WEST MAIN ST
PULASKI, VA 24301

LUST **S110323663**
LTANKS **N/A**

Relative:
Lower

LUST REG WC:

Region:	WC
Case Status:	Closed
Date Reported:	Not reported
Date Closed:	Not reported
Release Reported:	05/17/2010
Pollution Control #:	20102237
Case Manager:	Robert L Howard
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported

Actual:
1901 ft.

LTANKS:

Region:	BRRO-R
CEDS Facility Id:	200000853552
Case Status:	Closed
Pollution Complaint #:	20102237
Reported:	05/17/2010

J32
East
1/4-1/2
0.264 mi.
1394 ft.

NORFOLK & WESTERN -PULASKI
2 S. WASHINGTON ST.
PULASKI, VA -0-

LUST **S104897820**
N/A

Site 1 of 4 in cluster J

Relative:
Lower

LUST REG WC:

Region:	WC
Case Status:	Not reported
Date Reported:	02/19/1991
Date Closed:	1994-08-18 00:00:00
Release Reported:	Not reported
Pollution Control #:	91-1195
Case Manager:	Not reported

Actual:
1906 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORFOLK & WESTERN -PULASKI (Continued)

S104897820

Owner Name: NORFOLK SOUTHERN CORP.
Owner Address: 8 N. JEFFERSON ST.
Owner City,St,Zip: ROANOKE, VA 24042
Owner Phone: 703-981-4741

J33
East
1/4-1/2
0.264 mi.
1394 ft.

PULASKI BUS STATION
6 SOUTH WASHINGTON AVENUE
PULASKI, VA 24301

LTANKS **U003677851**
UST **N/A**

Site 2 of 4 in cluster J

Relative:
Lower

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000095561
Case Status: Closed
Pollution Complaint #: 19921330
Reported: 01/31/1992

Actual:
1907 ft.

Facility:
Facility Id: 2025289
Facility Type: TRUCKING/TRANSPORT
CEDS Facility ID: 200000095561

Owner:
Owner Id: 38197
Owner Name: Town of Pulaski
Owner Address: PO Box 660
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 9

UST:
Facility ID: 2025289
Federally Regulated: Yes

Tank Number: 1
Tank Capacity: Not reported
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:
Install Date: 1/1/1940
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2025289
Federally Regulated:	Yes

Tank Number:	10
Tank Capacity:	3000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2025289
Federally Regulated:	Yes

Tank Number:	2
Tank Capacity:	3000
Tank Contents:	GASOLINE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Facility ID: 2025289
Federally Regulated: Yes

Tank Number: 3
Tank Capacity: 3000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:
Install Date: Not reported
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:
Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: NO VALVE: SUCTION
Pipe Materials: Bare Steel No
Pipe Materials: Galvanized Steel Yes
Pipe Materials: Copper No
Pipe Materials: Fiberglass No
Pipe Materials: Cath Protect No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2025289
Federally Regulated:	Yes

Tank Number:	4
Tank Capacity:	500
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	2025289
Federally Regulated:	Yes
Tank Number:	5
Tank Capacity:	2000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2025289
Federally Regulated:	Yes

Tank Number:	6
Tank Capacity:	3000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2025289
Federally Regulated:	Yes

Tank Number:	7
Tank Capacity:	500
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

NO VALVE: SUCTION

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:

2025289

Federally Regulated:

Yes

Tank Number:

9

Tank Capacity:

1000

Tank Contents:

USED OIL

Tank Status:

REM FROM GRD

Tank Type:

UST

Tank Material:

Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI BUS STATION (Continued)

U003677851

Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

34
SW
1/4-1/2
0.265 mi.
1401 ft.

FROST RESIDENCE
160 CLIFF ST
PULASKI, VA 24301

LUST S109237091
LTANKS N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed

Actual:
2005 ft.

Date Reported: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FROST RESIDENCE (Continued)

S109237091

Date Closed: Not reported
Release Reported: 08/14/2008
Pollution Control #: 20092011
Case Manager: Donald M Edge
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000849731
Case Status: Closed
Pollution Complaint #: 20092011
Reported: 08/14/2008

J35
East
1/4-1/2
0.268 mi.
1414 ft.

TOWN OF PULASKI
WASHINGTON AVE. AND COMMERCE STREET
PULASKI, VA

LUST **S105028235**
N/A

Site 3 of 4 in cluster J

Relative:
Lower

LUST REG WC:

Region: WC
Case Status: Not reported
Date Reported: 03/13/2001
Date Closed: Not reported
Release Reported: Not reported
Pollution Control #: Not reported
Case Manager: Not reported
Owner Name: TOWN OF PULASKI
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: 540-994-8696

Actual:
1907 ft.

J36
East
1/4-1/2
0.268 mi.
1415 ft.

TOWN OF PULASKI
WASHINGTON AVE AT COMMERCE ST
PULASKI, VA 24301

LTANKS **1003277962**
UST **N/A**

Site 4 of 4 in cluster J

Relative:
Higher

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000207466
Case Status: Closed
Pollution Complaint #: 20012120
Reported: 03/13/2001

Actual:
1909 ft.

Facility:

Facility Id: 2037948
Facility Type: GAS STATION
CEDS Facility ID: 200000207466

Owner:

Owner Id: 38197
Owner Name: Town of Pulaski

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI (Continued)

1003277962

Owner Address: PO Box 660
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 3

UST:

Facility ID: 2037948
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 1500
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: Not reported
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI (Continued)

1003277962

Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2037948
Federally Regulated:	Yes

Tank Number:	R2
Tank Capacity:	575
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI (Continued)

1003277962

Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2037948
Federally Regulated:	Yes

Tank Number:	R4
Tank Capacity:	1000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWN OF PULASKI (Continued)

1003277962

Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

K37
ESE
1/4-1/2
0.278 mi.
1467 ft.

NORFOLK & WESTERN RAILWAY COMPANY
DORA HIGHWAY & EAST WASHINGTON
PULASKI, VA 24301

LTANKS **U003676934**
UST **N/A**

Site 1 of 2 in cluster K

Relative:
Higher

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000093861
Case Status: Closed
Pollution Complaint #: 19911195
Reported: 12/19/1991

Actual:
1914 ft.

Facility:
Facility Id: 2018001
Facility Type: RAILROAD
CEDS Facility ID: 200000093861

Owner:
Owner Id: 39553
Owner Name: Norfolk Southern Railway Company
Owner Address: 110 Franklin Rd SE
Owner Address2: Box 13
Owner City, State, Zip: Roanoke, VA 24042

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORFOLK & WESTERN RAILWAY COMPANY (Continued)

U003676934

Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 1

UST:

Facility ID: 2018001
Federally Regulated: Yes

Tank Number: 1
Tank Capacity: 550
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 5/7/1951
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORFOLK & WESTERN RAILWAY COMPANY (Continued)

U003676934

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

38
WSW
1/4-1/2
0.278 mi.
1470 ft.

HALE PROPERTY
59 BERTHA STREET
PULASKI, VA 24301

LUST **S105123506**
LTANKS **N/A**

Relative:
Higher

LUST REG WC:
Region: WC
Case Status: Not reported
Date Reported: 10/16/2001
Date Closed: Not reported
Release Reported: Not reported
Pollution Control #: 02-2039N
Case Manager: Not reported
Owner Name: TERRY HALE
Owner Address: 59 BERTHA ST.
Owner City,St,Zip: PULASKI, VA 24301
Owner Phone: 540-980-7800

Actual:
1997 ft.

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000204750
Case Status: Closed
Pollution Complaint #: 20022039
Reported: 10/16/2001

K39
ESE
1/4-1/2
0.280 mi.
1480 ft.

ELITE MOBIL STATION
40 S WASHINGTON AVE
PULASKI, VA 24301

LTANKS **S105988433**
N/A

Site 2 of 2 in cluster K

Relative:
Higher

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000081201
Case Status: Closed
Pollution Complaint #: 19971067
Reported: 12/31/1996

Actual:
1918 ft.

Region: BRRO-R
CEDS Facility Id: 200000081201
Case Status: Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ELITE MOBIL STATION (Continued)

S105988433

Pollution Complaint #: 19900901
Reported: 01/22/1990

L40
ENE
1/4-1/2
0.350 mi.
1849 ft.

CHARTER FEDERAL SAVINGS BANK
250 N. WASHINGTON AVENUE
PULASKI, VA 24301

LUST **S105987013**
LTANKS **N/A**

Site 1 of 2 in cluster L

Relative:
Lower

LUST REG WC:

Region: WC
Case Status: Not reported
Date Reported: 11/04/1996
Date Closed: 1997-10-30 00:00:00
Release Reported: Not reported
Pollution Control #: 97-1062N
Case Manager: Not reported
Owner Name: FIRST AMERICAN NAT. BANK
Owner Address: 505 S. GAY ST.
Owner City,St,Zip: KNOXVILLE, TN 37902
Owner Phone: 423-521-5382

Actual:
1905 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000081195
Case Status: Closed
Pollution Complaint #: 19971062
Reported: 11/04/1996

M41
NE
1/4-1/2
0.359 mi.
1897 ft.

7-ELEVEN STORE 1055-19586
401 NORTH WASHINGTON AVENUE
PULASKI, VA 24301

LTANKS **U003674731**
UST **N/A**

Site 1 of 2 in cluster M

Relative:
Higher

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000081186
Case Status: Closed
Pollution Complaint #: 19901590
Reported: 05/30/1990

Actual:
1915 ft.

Facility:

Facility Id: 2004949
Facility Type: GAS STATION
CEDS Facility ID: 200000081186

Owner:

Owner Id: 31795
Owner Name: THE SOUTHLAND CORPORATION
Owner Address: 814 BAKER ROAD
Owner Address2: Not reported
Owner City, State, Zip: VIRGINIA BEACH, VA 23462
Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN STORE 1055-19586 (Continued)

U003674731

Number of Inactive AST: 0
Number of Inactive UST: 2

UST:

Facility ID: 2004949
Federally Regulated: Yes

Tank Number: 1
Tank Capacity: 10000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 4/2/1977
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN
Pipe Materials: Bare Steel No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN STORE 1055-19586 (Continued)

U003674731

Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2004949
Federally Regulated:	Yes

Tank Number:	2
Tank Capacity:	10000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	4/2/1977
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7-ELEVEN STORE 1055-19586 (Continued)

U003674731

Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

L42
ENE
1/4-1/2
0.378 mi.
1996 ft.

MCCREADY LUMBER (BFP-003)
RT 99 AND PEAKE CREEK
PULASKI, VA 24301

US BROWNFIELDS **1016348384**
FINDS **N/A**

Site 2 of 2 in cluster L

Relative:
Lower

US BROWNFIELDS:

Actual:
1907 ft.

Property Name:	MCCREADY LUMBER (BFP-003)
Recipient Name:	R3 Brownfields TBA (previously Superfund TBA)
Grant Type:	TBA
Property Number:	Not reported
Parcel size:	37
Latitude:	37.048874
Longitude:	-80.778654
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	10194
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completion Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	1
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCCREADY LUMBER (BFP-003) (Continued)

1016348384

Cooperative Agreement Number:	n/a
Start Date:	09/21/1998 00:00:00
Ownership Entity:	Not reported
Completion Date:	09/21/1998 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCCREADY LUMBER (BFP-003) (Continued)

1016348384

Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Andy McCready, President, McCready Lumber Company, 4801 Wurno Rd., Pulaski, VA 24301.
Below Poverty Number:	278
Below Poverty Percent:	5.9%
Meidan Income:	788
Meidan Income Number:	682
Meidan Income Percent:	2.4%
Vacant Housing Number:	206
Vacant Housing Percent:	8.0%
Unemployed Number:	82
Unemployed Percent:	20.0%

FINDS:

Registry ID: 110038742064

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCCREADY LUMBER (BFP-003) (Continued)

1016348384

electronically submit data directly to EPA.

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

**M43
NE
1/4-1/2
0.381 mi.
2013 ft.**

**FORMER RUTHERFORD PONTIAC DEALERSHIP
419 N WASHINGTON AVE
PULASKI, VA 24301**

**LTANKS S108106127
N/A**

Site 2 of 2 in cluster M

**Relative:
Higher**

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000197036
Case Status: Closed
Pollution Complaint #: 20012030
Reported: 09/19/2000

**Actual:
1917 ft.**

**44
East
1/4-1/2
0.388 mi.
2049 ft.**

**BLUE RIDGE SUPPLY CO.
92 1ST ST NE
PULASKI, VA 24301**

**LTANKS S108106108
N/A**

**Relative:
Lower**

LTANKS:
Region: BRRO-R
CEDS Facility Id: 200000081192
Case Status: Closed
Pollution Complaint #: 20022076
Reported: 01/31/2002

**Actual:
1905 ft.**

**45
ENE
1/4-1/2
0.402 mi.
2124 ft.**

**PULASKI FURNITURE FACILITY
301 N. MADISON AVENUE
PULASKI, VA 24301**

**VCP S105600916
SPILLS N/A**

**Relative:
Higher**

VRP:
Facility ID: VRP00501
Site Status: Certificate Issued
Site Status 2: Recordation Not Required
DEQ Region: Blue Ridge
Sizs in Acres: .5000
Site Type: Industry
Corrective Action Desc: Not reported
Owner Name: John & Jeff Schwarz, LLC
Owner Contact: John Schwarz
Owner Address: 1947 N. Fayetteville St. Asheboro, NC 27203
Owner Phone: 336-625-6076
Operator Name: Not reported
Operator Owner: Not reported
Operator Phone: Not reported
Participant Name: Pulaski Furniture Corporation
Relationship to Site: Not reported

**Actual:
1909 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FURNITURE FACILITY (Continued)

S105600916

Participant Contact: Lamont Hope
Participant Phone: 540-994-5296
Participant Title: Not reported
Participant Affiliation: Not reported
Participant Address: P.O. Box 1371
Participant City,St,Zip: Pulaski, VA 24301
Additional Parts: Not reported
Participation Notes: Sent to RO and Haz waste 9-19-07
Participant Rep/Contractor: James Thornhill
Participant Rep/Contractor Phone: 804-775-1000
Participant Rep/Contractor Title: Not reported
Participant Rep/Contractor Affiliation: McGuire Woods
Participant Rep/Contractor Address: 901 East Cary St.
Participant Rep/Contractor City,St,Zip: Richmond, VA 23219-4030
Metal Contaminants Present in Soil: Not reported
Organic Contaminants Present in Soil: Not reported
Metal Contaminants Present in GW: Not reported
Organic Contaminants Present GW: Not reported
DEQ Staff Case Manager's Initials: GJG
Cleanup Standards: Not reported
No Further VRP Action Date: Not reported
Date Participant Notified of NFA: Not reported
Certification Date: 03/10/2009
Deed Received Date: 03/27/2009
Terms of NFA Determination: Not reported
Date VRP Eligibility Declared by Participant: 09/14/2007
Date VRP Eligibility Determined by DEQ Region: 09/24/2007
Dt Office Of Waste Permitting Verified Site Eligblty: 10/16/2007
Date VRP Eligibility Determined by VRP: 10/25/2007
Date Signed Agreement Submitted By Participant: Not reported
Date Agreement Executed by DEQ: Not reported
Registration Fee Amount Submitted by Participant: 2000
Date Registration Fee Submitted by Participant: 11/09/2007
Site Characterization Document Number: Not reported
DEQ Concurrence with Site Characterization Date: Not reported
Remedial Action Work Plan Document Number: Not reported
DEQ Concurs with Remedial Action Work Plan Date: Not reported
Completion Report Document Number: Not reported
DEQ Concurs with Completion Report Date: Not reported
Submittal Date for Document Number 1: 07/22/2008
Title of Submitted Document Number 1: VRP Report
Submittal Date for Document Number 2: Not reported
Title of Submitted Document Number 2: Not reported
Submittal Date for Document Number 3: Not reported
Title of Submitted Document Number 3: Not reported
Submittal Date for Document Number 4: Not reported
Title of Submitted Document Number 4: Not reported
Submittal Date for Document Number 5: Not reported
Title of Submitted Document Number 5: Not reported
Submittal Date for Document Number 6: Not reported
Title of Submitted Document Number 6: Not reported
Submittal Date for Document Number 7: Not reported
Title of Submitted Document Number 7: Not reported
Submittal Date for Document Number 8: Not reported
Title of Submitted Document Number 8: Not reported
DEQ Response Incident ID Number: Not reported
EPA CERCLIS ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FURNITURE FACILITY (Continued)

S105600916

EPA RCRA ID NUMBER: VAD003131588
DEQ Pollution Complaint Number: Not reported
Latest Action Relative To Site: Recorded Certificate Received
Latest Action Relative To Site Date: 05/13/2009
Next VRP Step Needed Relating To Site: None
Pending Since: Not reported
Date Next Step Should Be Completed: Not reported
Lat/Long: 0 / 0
Brownfield Tax Incentive: Not reported
Ground Water Use Restriction: False
Res. User Restriction: False
Excavation Restriction: False
Unrestricted: True
Other Condition of Issuance: False
GPS Lat: 37.049878
GPS Long: -80.777366000000001
GPS Desc: Not reported
Notes: 11/28/2007 Site visit

SPILLS:

Fips City/County: Pulaski County
Status: Closed
Reference Id: 24695
IR Number: 2014-W-2133
Associated IR: Not reported
Incident Date: 03/22/2013
Call Received Date: 02/05/2014
Closure Comments: Not reported
Threat To: Human Health
Terrorism (Y/N): N
Characterize Incident: Unknown
Incident Type: Waste
Incident Subtype: Hazardous Waste * Waste
Materials: Chemicals (0-0 Unknown)
Effect To Receptor: Unknown
Water Body: Not reported
Low Quantity To Water: Not reported
High Quantity To Water: Not reported
Quantity Units: Not reported
Other Receptors: Not reported
RP Company: Not reported
RP Name: Not reported
Property Owner: Not reported
Property Company: Not reported
Duration Of Event (Hrs): 0
Impacts: Not reported
Other Impacts: Not reported
Steps Taken: Not reported
Steps Taken Description: Not reported
System Components: Not reported
Other System Components: Not reported
Cause Of Event: Not reported
Corrective Action Taken: Not reported
Weather Status: N/A
Precipitation (Wet): 0
Discharge Type: N/A
Discharge Volume: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FURNITURE FACILITY (Continued)

S105600916

Unknown Discharge (Y/N): N
Site Name: BLUE BIRD RECYCLING
Closure Date: 02/05/2014
Orig. Call Incident Description: Company accepting 55 gallon drums and 90 gallon totes with unknown chemicals and mixing the chemicals together without testing.
Original Call Material Description: unknown chemicals
Original Call Location Description: 301 North Madison Avenue, Pulaski VA
Incident Ongoing at time of Call: N
Agencies Notified (Y/N): Y
Other Agencies: Pulaski (Town) Fire Marshal, VA DEM
Permitted (Y/N): N
Call Reported By Company Name: Not reported
Call Property Owner Company Name: Not reported
Call Property Owner Name: Not reported
Site Summary: Fire Marshal contacted VDEM & DEQ after responding to a false fire alarm at the facility on March 22, 2013. He found that the recycling center was receiving "dirty" drums and totes containing various chemicals. The company personnel were decanting the liquids into a common container and then cutting the empty drums/totes in half and shipping them off for recycling with no rinsing. The chemicals are accumulated on site, some in open containers. The RP has no plan of action for dealing with them.

Fips City/County: Pulaski County
Status: Not reported
Reference Id: Not reported
IR Number: 2001-W-0042
Associated IR: Not reported
Incident Date: 09/01/2000
Call Received Date: 09/01/2000
Closure Comments: See Site Summary for details
Threat To: Not reported
Terrorism (Y/N): NO
Characterize Incident: Not reported
Incident Type: Petroleum
Incident Subtype: Petroleum
Materials: Oil (Fuel-Diesel)(50 - 50 Gallons)
Effect To Receptor: Not reported
Water Body: Peak Creek
Low Quantity To Water: -1
High Quantity To Water: -1
Quantity Units: Gallons
Other Receptors: Not reported
RP Company: Pulaski Furniture Corp
RP Name: Karl Reese
Property Owner: Not reported
Property Company: Not reported
Duration Of Event (Hrs): Not reported
Impacts: Not reported
Other Impacts: Not reported
Steps Taken: Not reported
Steps Taken Description: Not reported
System Components: Not reported
Other System Components: Not reported
Cause Of Event: Not reported
Corrective Action Taken: Not reported
Weather Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FURNITURE FACILITY (Continued)

S105600916

Precipitation (Wet): Not reported
Discharge Type: Not reported
Discharge Volume: Not reported
Unknown Discharge (Y/N): NO
Site Name: PULASKI FURNITURE CORP
Closure Date: 09/18/2000
Orig. Call Incident Description: Pulaski Furniture Corp. truck had damaged fuel tank which released 50-75 gallons of diesel fuel to gravel parking lot.
Original Call Material Description: Diesel fuel
Original Call Location Description: Pulaski Furniture Corp-301 North Madison Ave-Pulaski-VA--Pulaski County
Incident Ongoing at time of Call: Not reported
Agencies Notified (Y/N): NO
Other Agencies: Not reported
Permitted (Y/N): YES
Call Reported By Company Name: Karl Reese
Call Property Owner Company Name: Not reported
Call Property Owner Name: Not reported
Site Summary: see report

SPILLS WC:

Region: WC
Call Date: Not reported
Incident Response IR #: 2001-W-0042
Date In: 9/1/2000
Time In: 3:00 PM
Reported By Name: Karl Reese
Reported By Phone: 540-994-5214
Reported By Affiliation/Addr: Pulaski Furniture Corp.
Facility Permitted: True
Site Contact: Karl Reese
Site Phone: 540-994-5214
RP Name: Pulaski Furniture Corp.
RP Address: 301 North Madison Ave
RP City,St,Zip: Pulaski, VA
RP Contact: Karl Reese
RP Phone number: 540-994-5214
Owner Name: Not reported
Owner address: Not reported
Owner City,St,Zip: Not reported
Owner Contact: Not reported
Owner Phone: Not reported
Incident Date: 9/1/2000
Incident Time: 2:30 PM
Petroleum: True
Construction: False
Solid Waste: False
Hazardous Waste: False
Water: False
VWPP: F
Air: False
Sewage: False
Fish Kill: False
Mat. Released: Diesel fuel
Possible Receptors: Peak Creek
Quantity Released: 50
Unit: Gallon

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PULASKI FURNITURE FACILITY (Continued)

S105600916

Quantity in Water: 0
Receiving Waters: Peak Creek
River Basin: New
Inspection Date: 9/1/2000
Response Due: Not reported
Response Recvd: Not reported
Warning Letter #: Not reported
Date Closed: 9/18/2000
Open: False
Topo Map ID: Not reported
Inspector: Not reported
NOV Number: Not reported
Water Permit Number: Not reported
Remediation PC Number: Not reported
Date Ref Air C/M: Not reported
Air Reg/Permit #: Not reported
Date Ref Waste C/M: Not reported
EPA Id or Permit #: Not reported
Date Ref Water C/M: Not reported
Date Ref Remediation: Not reported
Date Ref Enforcement: Not reported
Inspector Comments: see report
Incident Summary: Pulaski Furniture Corp. truck had damaged fuel tank which released 50-75 gallons of diesel fuel to gravel parking lot.

N46
NE
1/4-1/2
0.408 mi.
2156 ft.

CAVALIER SUPPLY COMPANY INCORPORATED
400 N WASHINGTON AVE
PULASKI, VA 24301

LUST **U003677964**
LTANKS **N/A**
UST

Site 1 of 2 in cluster N

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 02/13/2008
Pollution Control #: 20082065
Case Manager: Robert L Howard
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
1920 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000090314
Case Status: Closed
Pollution Complaint #: 20082065
Reported: 02/13/2008

Region: BRRO-R
CEDS Facility Id: 200000090314
Case Status: Closed
Pollution Complaint #: 19920712
Reported: 10/08/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Facility:

Facility Id: 2026452
Facility Type: COMMERCIAL
CEDS Facility ID: 200000090314

Owner:

Owner Id: 30951
Owner Name: CAVALIER SUPPLY COMPANY, INC
Owner Address: 400 N. WASHINGTON STREET
Owner Address2: Not reported
Owner City, State, Zip: PULASKI, VA 24301
Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 4

Owner Id: 44727
Owner Name: Eddie Hale
Owner Address: 57 W Main St
Owner Address2: Not reported
Owner City, State, Zip: Pulaski, VA 24301
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 4

UST:

Facility ID: 2026452
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: Not reported
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 5/1/1930
Tank Materials: Bare Steel No
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Install Date: Not reported
Tank Materials: Bare Steel No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Pipe Type:	Not reported
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2026452
Federally Regulated:	Yes

Tank Number:	R1
Tank Capacity:	500
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	5/1/1930
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Install Date:	Not reported
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Pipe Type:	Not reported
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	2026452
Federally Regulated:	Yes

Tank Number:	R2
Tank Capacity:	500
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred No
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: Not reported
Pipe Materials: Bare Steel Yes
Pipe Materials: Galvanized Steel No
Pipe Materials: Copper No
Pipe Materials: Fiberglass No
Pipe Materials: Cath Protect No
Pipe Materials: Double Walled No
Pipe Materials: Sec Containment No
Pipe Materials: Repaired No
Pipe Materials: Unknown No
Pipe Materials: Other No
Pipe Materials: Other Note Not reported

Facility ID: 2026452
Federally Regulated: No

Tank Number: R3
Tank Capacity: 500
Tank Contents: HEATING OIL
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: Not reported
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAVALIER SUPPLY COMPANY INCORPORATED (Continued)

U003677964

Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	No
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	Not reported
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N47
NE
1/4-1/2
0.413 mi.
2179 ft.

7-11 NO. 19586
491 N.WASHINGTON AVE.
PULASKI, VA -0-

Site 2 of 2 in cluster N

Relative:
Higher

LUST REG WC:

Region: WC

Case Status: Not reported

Date Reported: Not reported

Date Closed: 1993-03-17 00:00:00

Release Reported: Not reported

Pollution Control #: 90-1590

Case Manager: Not reported

Owner Name: SOUTHLAND CORP

Owner Address: 814 BAKER ROAD

Owner City,St,Zip: VA BEACH, VA 23462

Owner Phone: 804-490-1711

LUST S105986670
N/A

O48
ENE
1/4-1/2
0.436 mi.
2301 ft.

HUFF COAL AND OIL CO.
308 N. MADISON AVE., PULASKI, VA 24321
PULASKI, VA

Site 1 of 2 in cluster O

Relative:
Lower

LUST REG WC:

Region: WC

Case Status: Not reported

Date Reported: 06/15/1993

Date Closed: 1997-01-31 00:00:00

Release Reported: Not reported

Pollution Control #: 93-1181N

Case Manager: Not reported

Owner Name: H. W. HUFF SR.ESTATE

Owner Address: HUFF OIL P.O. BOX 887

Owner City,St,Zip: PULASKI, VA

Owner Phone: -0-

LUST S105027891
N/A

O49
ENE
1/4-1/2
0.436 mi.
2301 ft.

HUFF PETROLEUM CO
308 N. MADISON AVE.
PULASKI, VA 24301

Site 2 of 2 in cluster O

Relative:
Lower

LTANKS:

Region: BRRO-R

CEDS Facility Id: 200000093858

Case Status: Closed

Pollution Complaint #: 19931181

Reported: 06/17/1993

LTANKS S105988464
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

50
ESE
1/4-1/2
0.482 mi.
2544 ft.

MS. DEBRA MATHENA RESIDENCE
228 2ND STREET S.E.
PULASKI, VA 24301

LUST
LTANKS
S116162509
N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 12/06/2013
Pollution Control #: 20142233
Case Manager: Chad A Quesenberry
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
2007 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000873439
Case Status: Closed
Pollution Complaint #: 20142233
Reported: 12/06/2013

51
NE
1/4-1/2
0.498 mi.
2630 ft.

OLD CAR WASH SITE
50 FIFTH ST NE
PULASKI, VA 24301

LUST
LTANKS
S108425581
N/A

Relative:
Higher

LUST REG WC:

Region: WC
Case Status: Closed
Date Reported: Not reported
Date Closed: Not reported
Release Reported: 01/22/2006
Pollution Control #: 20072074
Case Manager: Douglas B Carl
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported

Actual:
1920 ft.

LTANKS:

Region: BRRO-R
CEDS Facility Id: 200000845613
Case Status: Closed
Pollution Complaint #: 20072074
Reported: 01/22/2006

Count: 14 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PULASKI	S118456765	RAS PROPERTIES LLC	2 & 4 5TH ST	24301	LTANKS
PULASKI	S105872438	BEIJING MOTEL	307 5TH STREET (BEIJING MOTEL)		LUST
PULASKI	S105813382	SPROULE BRANCH ADJ TO BEIJING MOTE	307 5TH ST	24301	LTANKS
PULASKI	S109379220	PULASKI FURNITURE FACILITY PLANT 5	206 5TH ST	24301	LUST, LTANKS, AIRS
PULASKI	1000158151		205 5TH STREET	24301	RCRA-SQG, LUST
PULASKI	S105986684	PULASKI MOTOR CO.	E.MAIN STREET	-0-	LUST
PULASKI	S106754818	FORMER RUTHERFORD PONTIAC DEALERSH	FIFTH & WASHINGTON STREET		LUST
PULASKI	S105429555	BLUE RIDGE SUPPLY COMPANY	92 NE FIRST ST., PULASKI, VA 2		LUST
PULASKI	1004817092	7-11 STORE #20615	W. MAIN ST., PULASKI	-0-	LUST
PULASKI	S105987015	RATCLIFF MOBIL STATION GWM	S WASHINGTON AVENUE		LUST
PULASKI	S105986750	PULASKI BUS STATION#	WASHINGTON AVE.		LUST
PULASKI	S105986730	CAVILIER SUPPLY	WASHINGTON & 5TH STS.		LUST
PULASKI	S105986653	NEW RIVER OIL CO.-EARL,S MOBIL	WASHINGTON AVE, PULASKI	-0-	LUST
RIDGEWAY	S108105961	PULASKI FURNITURE	PULASKI RD	24301	LUST, LTANKS

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: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	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: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	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: 04/05/2017	Source: EPA
Date Data Arrived at EDR: 04/21/2017	Telephone: N/A
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 92	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/07/2017	Source: EPA
Date Data Arrived at EDR: 04/19/2017	Telephone: 800-424-9346
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 06/08/2017
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/31/2017
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016	Source: EPA
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 12/12/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/28/2016	Telephone: 800-438-2474
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2017
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/28/2016	Source: Department of the Navy
Date Data Arrived at EDR: 01/04/2017	Telephone: 843-820-7326
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2017
Number of Days to Update: 93	Next Scheduled EDR Contact: 08/28/2017
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	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: 02/13/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/28/2017	Telephone: 703-603-0695
Date Made Active in Reports: 06/09/2017	Last EDR Contact: 05/31/2017
Number of Days to Update: 101	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/26/2016

Date Data Arrived at EDR: 09/29/2016

Date Made Active in Reports: 11/11/2016

Number of Days to Update: 43

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/28/2017

Next Scheduled EDR Contact: 10/09/2017

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

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Quality

Telephone: 804-698-4236

Last EDR Contact: 06/19/2017

Next Scheduled EDR Contact: 10/02/2017

Data Release Frequency: N/A

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

SWF/LF: Solid Waste Management Facilities

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: 09/10/2015

Date Data Arrived at EDR: 09/11/2015

Date Made Active in Reports: 11/09/2015

Number of Days to Update: 59

Source: Department of Environmental Quality

Telephone: 804-698-4238

Last EDR Contact: 05/30/2017

Next Scheduled EDR Contact: 09/18/2017

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG SC: Leaking Underground Storage Tanks

Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Deward; cities of Danville, Lynchburg.

Date of Government Version: 09/06/2013

Date Data Arrived at EDR: 09/06/2013

Date Made Active in Reports: 09/17/2013

Number of Days to Update: 11

Source: Department of Environmental Quality, South Central Region

Telephone: 434-582-5120

Last EDR Contact: 08/29/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: Semi-Annually

LUST REG TD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 06/30/2013

Date Data Arrived at EDR: 07/05/2013

Date Made Active in Reports: 09/16/2013

Number of Days to Update: 73

Source: Department of Environmental Quality Tidewater Regional Office

Telephone: trofoia@deq.vir

Last EDR Contact: 09/26/2016

Next Scheduled EDR Contact: 01/09/2017

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011	Source: Department of Environmental Quality Valley Regional Office
Date Data Arrived at EDR: 12/08/2011	Telephone: 540-574-7800
Date Made Active in Reports: 01/16/2012	Last EDR Contact: 08/29/2016
Number of Days to Update: 39	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: No Update Planned

LUST REG WC: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 06/04/2015	Source: Department of Environmental Quality West Central Regional Office
Date Data Arrived at EDR: 06/05/2015	Telephone: 540-562-6700
Date Made Active in Reports: 07/07/2015	Last EDR Contact: 08/29/2016
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: No Update Planned

LUST REG SW: Leaking Underground Storage Tank Database

Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 07/15/2013	Source: Department of Environmental Quality Southwest Regional Office
Date Data Arrived at EDR: 07/18/2013	Telephone: 276-676-4800
Date Made Active in Reports: 09/16/2013	Last EDR Contact: 10/11/2016
Number of Days to Update: 60	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: No Update Planned

LUST REG PD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greenville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

Date of Government Version: 12/02/2014	Source: Department of Environmental Quality Piedmont Regional Office
Date Data Arrived at EDR: 12/04/2014	Telephone: 804-527-5020
Date Made Active in Reports: 01/16/2015	Last EDR Contact: 08/29/2016
Number of Days to Update: 43	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Quarterly

LUST REG NO: Leaking Underground Storage Tank Tracking Database

Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004	Source: Department of Environmental Quality Northern Regional Office
Date Data Arrived at EDR: 05/22/2004	Telephone: 703-583-3800
Date Made Active in Reports: 07/09/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016	Source: EPA Region 7
Date Data Arrived at EDR: 01/26/2017	Telephone: 913-551-7003
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 10/01/2016	Source: EPA Region 6
Date Data Arrived at EDR: 01/26/2017	Telephone: 214-665-6597
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	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: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-8677
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-Annually

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: 11/14/2016	Source: EPA Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

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

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6271
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

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

Date of Government Version: 11/14/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-7439
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

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

Date of Government Version: 10/06/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3372
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

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

Date of Government Version: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 02/03/2017

Date Data Arrived at EDR: 03/01/2017

Date Made Active in Reports: 06/01/2017

Number of Days to Update: 92

Source: Department of Environmental Quality

Telephone: 804-698-4010

Last EDR Contact: 06/01/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Date Data Arrived at EDR: 02/16/2010

Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797

Last EDR Contact: 07/14/2017

Next Scheduled EDR Contact: 10/23/2017

Data Release Frequency: Varies

UST: Registered Petroleum Storage Tanks

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

Date of Government Version: 02/03/2017

Date Data Arrived at EDR: 03/01/2017

Date Made Active in Reports: 05/31/2017

Number of Days to Update: 91

Source: Department of Environmental Quality

Telephone: 804-698-4010

Last EDR Contact: 06/01/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Semi-Annually

AST: Registered Petroleum Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/03/2017

Date Data Arrived at EDR: 03/01/2017

Date Made Active in Reports: 05/31/2017

Number of Days to Update: 91

Source: Department of Environmental Quality

Telephone: 804-698-4010

Last EDR Contact: 06/01/2017

Next Scheduled EDR Contact: 09/11/2017

Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2016

Date Data Arrived at EDR: 01/26/2017

Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 6

Telephone: 214-665-7591

Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017

Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/01/2016

Date Data Arrived at EDR: 01/26/2017

Date Made Active in Reports: 05/05/2017

Number of Days to Update: 99

Source: EPA Region 7

Telephone: 913-551-7003

Last EDR Contact: 04/28/2017

Next Scheduled EDR Contact: 08/07/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2016	Source: EPA Region 8
Date Data Arrived at EDR: 01/26/2017	Telephone: 303-312-6137
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/14/2017	Source: EPA Region 5
Date Data Arrived at EDR: 01/26/2017	Telephone: 312-886-6136
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/06/2016	Source: EPA Region 9
Date Data Arrived at EDR: 01/26/2017	Telephone: 415-972-3368
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	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: 10/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/26/2017	Telephone: 206-553-2857
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Quarterly

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: 10/14/2016	Source: EPA Region 4
Date Data Arrived at EDR: 01/27/2017	Telephone: 404-562-9424
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 98	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Semi-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: 11/14/2016	Source: EPA, Region 1
Date Data Arrived at EDR: 01/26/2017	Telephone: 617-918-1313
Date Made Active in Reports: 05/05/2017	Last EDR Contact: 04/28/2017
Number of Days to Update: 99	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Sites Listing

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: 04/20/2017	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/21/2017	Telephone: 804-698-4228
Date Made Active in Reports: 06/02/2017	Last EDR Contact: 07/10/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 04/20/2017	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/21/2017	Telephone: 804-698-4228
Date Made Active in Reports: 06/02/2017	Last EDR Contact: 07/10/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/27/2017
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/09/2017
	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

VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 04/20/2017	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/21/2017	Telephone: 804-698-4228
Date Made Active in Reports: 06/02/2017	Last EDR Contact: 07/10/2017
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/09/2017
	Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2017
Date Data Arrived at EDR: 04/26/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 804-698-4207
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
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: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

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

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

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

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 08/07/2017
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: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region
Telephone: 703-583-3864
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/08/2012
Date Data Arrived at EDR: 08/09/2012
Date Made Active in Reports: 10/05/2012
Number of Days to Update: 57

Source: Department of Environmental Quality, Valley Regional Office
Telephone: 540-574-7800
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office
Telephone: 434-582-6218
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Varies

SPILLS PC: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996
Date Data Arrived at EDR: 10/22/1996
Date Made Active in Reports: 11/21/1996
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: No Update Planned

SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 02/03/2017
Date Data Arrived at EDR: 03/01/2017
Date Made Active in Reports: 06/01/2017
Number of Days to Update: 92

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 06/01/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

SPILLS WC: Prep Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region
Telephone: 540-562-6700
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 10/20/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 12/03/2009
Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region
Telephone: 804-527-5020
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/16/2010
Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region
Telephone: 276-676-4839
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: No Update Planned

SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region
Telephone: trofoia@deq.vir
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/01/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/29/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/14/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

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

Date of Government Version: 02/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/09/2017	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/21/2017
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/07/2017
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 06/06/2017
Number of Days to Update: 3	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 04/10/2017
Number of Days to Update: 127	Next Scheduled EDR Contact: 07/24/2017
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005
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: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
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: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
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: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

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

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/11/2017
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/23/2017
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 12/23/2016	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 05/05/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/21/2017
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/22/2017
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8787
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/07/2017
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/16/2017
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/04/2017	Source: EPA
Date Data Arrived at EDR: 04/07/2017	Telephone: (215) 814-5000
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 06/02/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 05/24/2017
Number of Days to Update: 91	Next Scheduled EDR Contact: 09/11/2017
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 03/19/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2017	Telephone: 202-564-2280
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 06/07/2017
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/18/2017
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 07/17/2017
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/30/2017
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/22/2017	Source: EPA
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-385-6164
Date Made Active in Reports: 05/12/2017	Last EDR Contact: 05/24/2017
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/04/2017
	Data Release Frequency: Quarterly

AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities.

Date of Government Version: 03/23/2017	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/24/2017	Telephone: 804-698-4000
Date Made Active in Reports: 05/31/2017	Last EDR Contact: 06/19/2017
Number of Days to Update: 68	Next Scheduled EDR Contact: 10/02/2017
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/15/2016
Date Made Active in Reports: 02/14/2017
Number of Days to Update: 61

Source: Department of Environmental Quality
Telephone: 804-698-4077
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Semi-Annually

COAL ASH: Coal Ash Disposal Sites

A listing of facilities with coal ash impoundments.

Date of Government Version: 07/29/2009
Date Data Arrived at EDR: 07/31/2009
Date Made Active in Reports: 08/21/2009
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 804-698-4285
Last EDR Contact: 06/05/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/28/2016
Date Made Active in Reports: 01/09/2017
Number of Days to Update: 73

Source: Department of Environmental Quality
Telephone: 804-698-4407
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Actions Data

A listing of enforcement actions.

Date of Government Version: 03/23/2017
Date Data Arrived at EDR: 03/24/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 804-698-4031
Last EDR Contact: 06/19/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Varies

Financial Assurance 1: 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: 05/02/2017
Date Data Arrived at EDR: 05/04/2017
Date Made Active in Reports: 06/02/2017
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 804-698-4205
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information listing

Solid waste financial assurance information.

Date of Government Version: 05/04/2017
Date Data Arrived at EDR: 05/09/2017
Date Made Active in Reports: 05/31/2017
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 804-698-4123
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 02/14/2017
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 804-698-4159
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Annually

UIC: Underground Injection Control Wells

A listing of underground injection controls wells.

Date of Government Version: 05/02/2017
Date Data Arrived at EDR: 05/03/2017
Date Made Active in Reports: 06/01/2017
Number of Days to Update: 29

Source: Department of Mines, Minerals and Energy
Telephone: 276-415-9700
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
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 (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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

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

EDR Hist Auto: EDR Exclusive 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 Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/17/2017
Next Scheduled EDR Contact: 10/30/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

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

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/12/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 804-692-1900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER BARRETT'S STORE
15 RANDOLPH AVENUE
PULASKI, VA 24301

TARGET PROPERTY COORDINATES

Latitude (North):	37.046441 - 37° 2' 47.19"
Longitude (West):	80.785081 - 80° 47' 6.29"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	519111.5
UTM Y (Meters):	4099842.5
Elevation:	1908 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5949970 PULASKI, VA
Version Date:	2013

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).

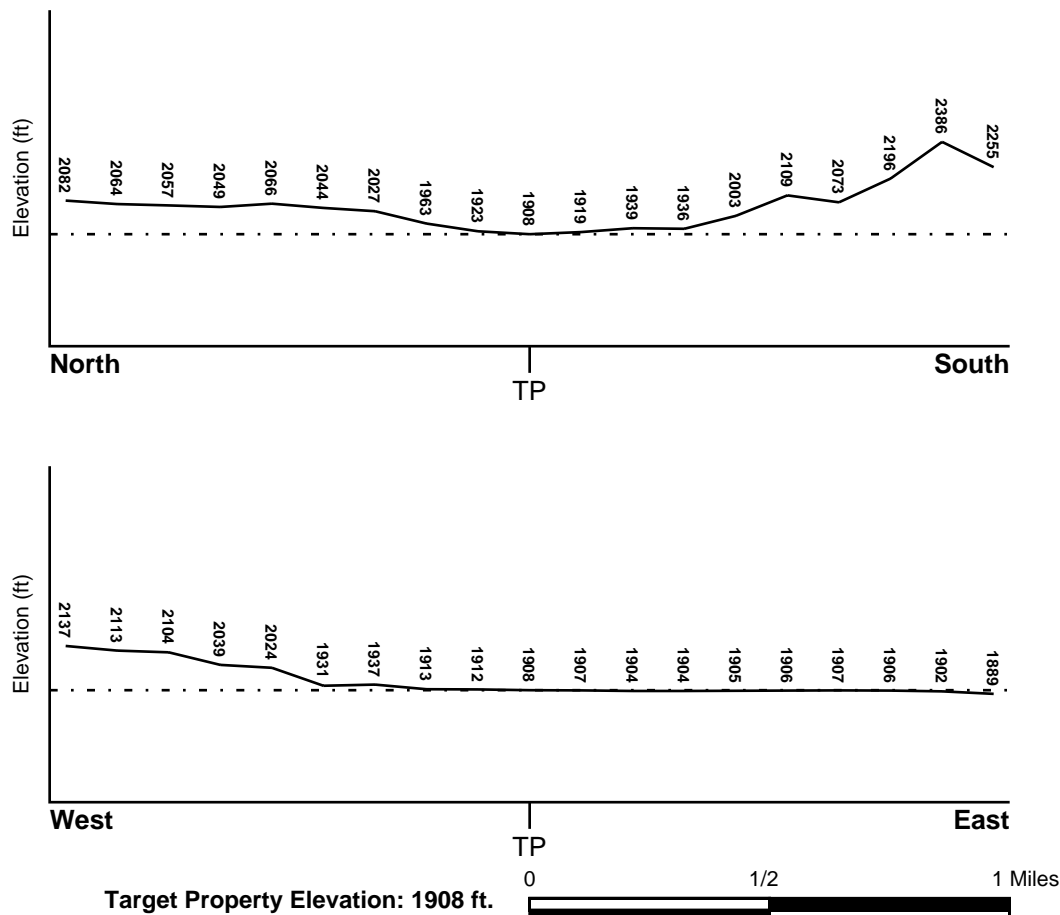
TOPOGRAPHIC INFORMATION

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 SSE

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>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
51155C0141C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
51155C0142C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

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: Cambrian
Series: Cambrian
Code: C (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).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: CHILHOWIE

Soil Surface Texture: silty clay loam

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

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

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 20 inches

Depth to Bedrock Max: > 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 8.40 Min: 6.10
2	5 inches	13 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 6.10
3	13 inches	25 inches	extremely channery - clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 6.60
4	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 20.00 Min: 2.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: silty clay
silt loam
unweathered bedrock

Surficial Soil Types: silty clay
silt loam
unweathered bedrock

Shallow Soil Types: silty clay loam
silty clay

Deeper Soil Types: clay

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

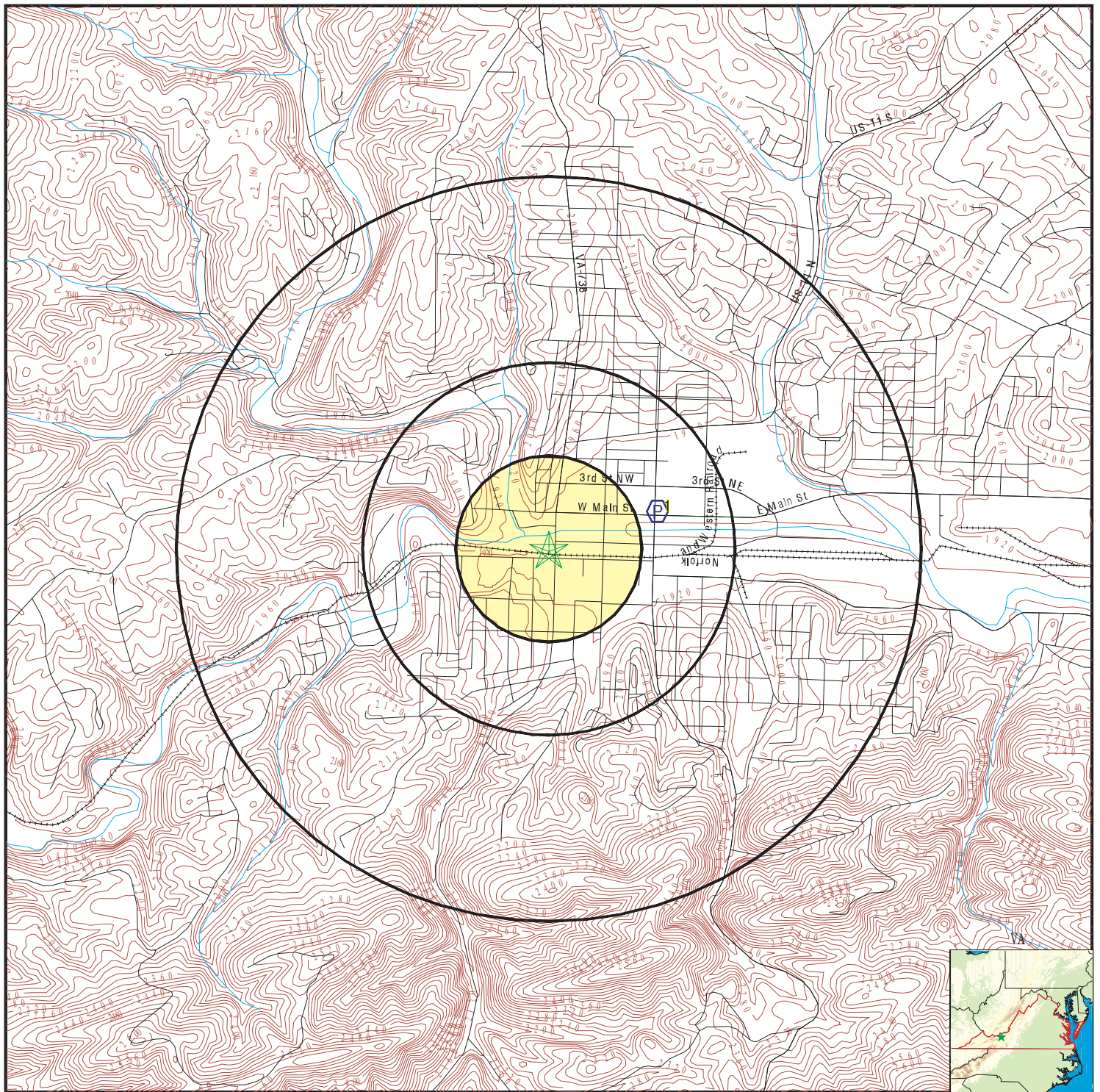
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	VA1155491	1/4 - 1/2 Mile ENE

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		

PHYSICAL SETTING SOURCE MAP - 5002441.2s



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

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

SITE NAME: Former Barretts Store
 ADDRESS: 15 Randolph Avenue
 Pulaski VA 24301
 LAT/LONG: 37.046441 / 80.785081

CLIENT: Draper, Aden Associates
 CONTACT: Ross Miller
 INQUIRY #: 5002441.2s
 DATE: July 25, 2017 9:48 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

ENE

FRDS PWS

VA1155491

1/4 - 1/2 Mile

Lower

Epa region:	03	State:	VA
Pwsid:	VA1155491		
Pwsname:	MILLIROAD SUBDIVISION		
City served:	Not Reported	State served:	VA
Zip served:	Not Reported	Fips county:	51155
Status:	Closed	Pop srvd:	32
Pwssvconn:	8	Source:	Groundwater
Pws type:	CWS	Owner:	Private
Contact:	MILLIROAD SUBDIVISION		
Contact gname:	Not Reported		
Contact phone:	703-980-7467	Contact address1:	Not Reported
Contact address2:	ROUTE#99 C/OCLEM MILSTEAD	Contact city:	PULASKI
Contact state:	VA	Contact zip:	24301
Activity code:	I		

Location Information:

Name:	MILLIROAD SUBDIVISION		
Pwstypcd:	CWS	Prmsrccd:	GW
Popserved:	32		
Add1:	Not Reported		
Add2:	ROUTE#99 C/OCLEM MILSTEAD		
City:	PULASKI	State:	VA
Zip:	24301	Phone:	703-980-7467
Cityserv:	PULASKI	Cntyserv:	Not Reported
Stateserv:	VA	Zipserv:	Not Reported

PWS ID:	VA1155491		
Date Initiated:	7611	Date Deactivated:	Not Reported
PWS Name:	MILLIROAD SUBDIVISION		
	ROUTE#99 C/OCLEM MILSTEAD		
	PULASKI, VA 24301		

Addressee / Facility: Not Reported

Facility Latitude:	37 02 52	Facility Longitude:	080 46 48
Facility Latitude:	37 03 02	Facility Longitude:	080 41 40
City Served:	PULASKI		
Treatment Class:	Untreated	Population:	00000032

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 24301

Number of sites tested: 223.

Maximum Radon Level: 36.7 pCi/L.

Minimum Radon Level: 0.5 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
120 (53.81%)	57 (25.56%)	35 (15.70%)	11 (4.93%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for PULASKI County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

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

: Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

OTHER STATE DATABASE INFORMATION

Virginia Oil and Gas Wells

Source: Department of Mines, Minerals and Energy

Telephone: 804-692-3200

A listing of oil and gas well locations

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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

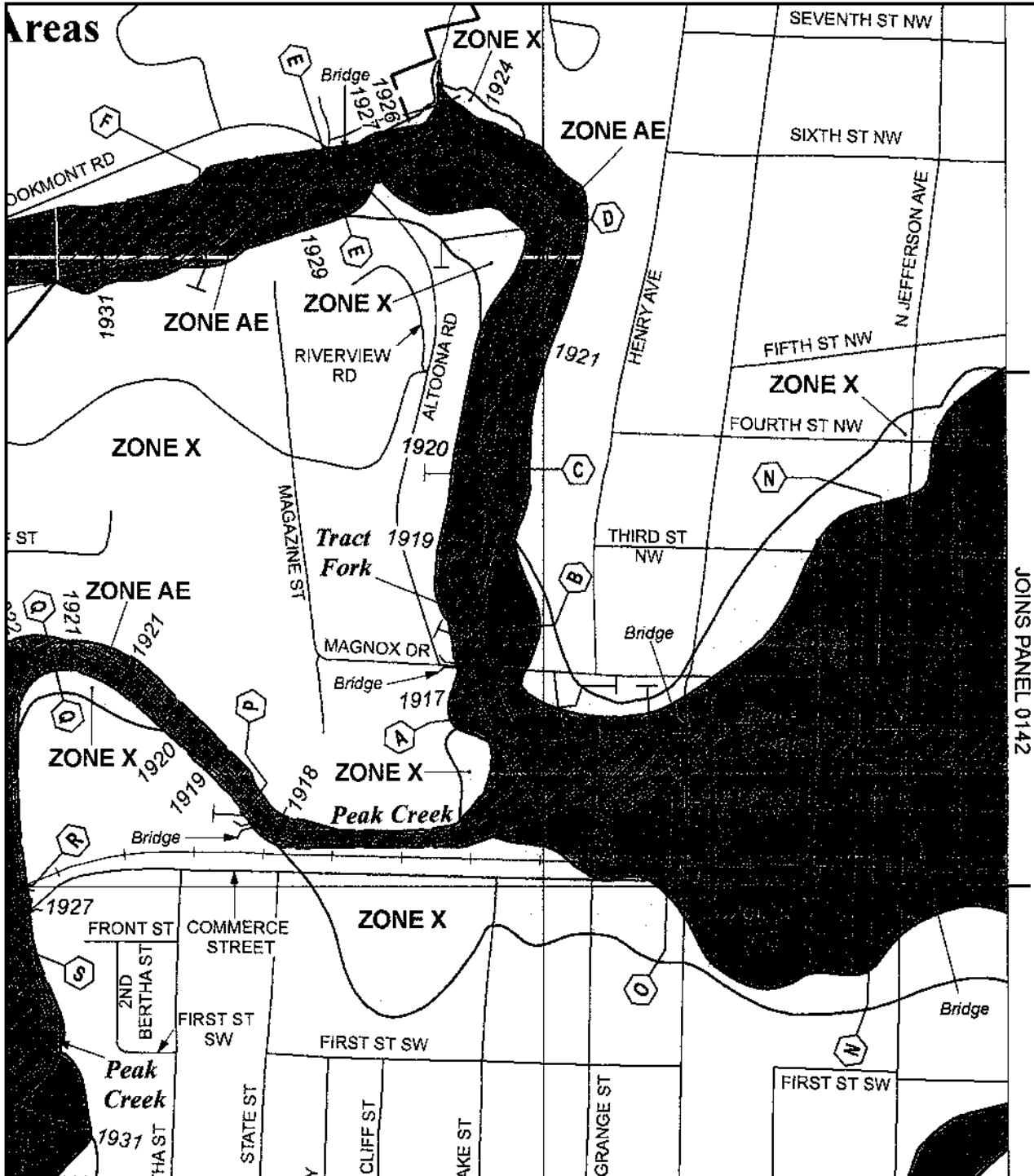
Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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MAP SCALE 1" = 500'

250 0 500 1000 FEET

PANEL 0141G

FIRM

FLOOD INSURANCE RATE MAP

PULASKI COUNTY, VIRGINIA

AND INCORPORATED AREAS

PANEL 141 OF 275

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PULASKI COUNTY	510125	0141	G
PULASKI, TOWN OF	510126	0141	G

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
51155C0141G





















EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

VADEQ VEGIS Map Export

Legend

-  VPDES Permits (2004)
-  Monitoring Stations (2014)
-  Ambient (2495)
-  Ambient/Biological (1236)
-  Ambient/Biological/Fish Tissue (12)
-  Ambient/Fish Tissue (83)
-  Biological (653)
-  Citizen Monitoring (752)
-  Other Non-Agency Monitoring (473)
-  Federal (239)
-  Fish Tissue (152)
-  Trend (394)
-  VDH-BEACH (49)
-  VPDES Dischargers (2014)
-  Industrial
-  Municipal
-  Rivers (2014)
-  Fully Supporting
-  Insufficient Information
-  Not Supporting

Feet

0 100 200 300 400

1:4,514 / 1"=376 Feet

DISCLAIMER: Information contained on this map is to be used for reference purposes only. The VA Dept. of Environmental Quality makes no representation of warranty as to this map's accuracy, and in particular, its accuracy in labeling, dimensions, contours, property boundaries, or placement or location of any map features thereon. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided.



Title: Impaired Waters

Date: 10/13/2016



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Pulaski County, Virginia**

15 Randolph Avenue, Pulaski, VA



August 6, 2017

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.


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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pulaski County, Virginia
Survey Area Data: Version 11, Sep 21, 2016

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 11, 2010—Mar 17, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Pulaski County, Virginia (VA155)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
33	Urban land	0.3	100.0%
Totals for Area of Interest		0.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Pulaski County, Virginia

33—Urban land

Map Unit Setting

National map unit symbol: khfp

Mean annual precipitation: 31 to 42 inches

Mean annual air temperature: 52 to 55 degrees F

Frost-free period: 160 to 200 days

Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Glossary

Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the [“National Soil Survey Handbook.”](#)

ABC soil

A soil having an A, a B, and a C horizon.

Ablation till

Loose, relatively permeable earthy material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.

AC soil

A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

Aeration, soil

The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil

Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial cone

A semiconical type of alluvial fan having very steep slopes. It is higher, narrower, and steeper than a fan and is composed of coarser and thicker layers of material deposited by a combination of alluvial episodes and (to a much lesser degree) landslides (debris flow). The coarsest materials tend to be concentrated at the apex of the cone.

Alluvial fan

A low, outspread mass of loose materials and/or rock material, commonly with gentle slopes. It is shaped like an open fan or a segment of a cone. The material was deposited by a stream at the place where it issues from a narrow mountain valley or upland valley or where a tributary stream is near or at its junction with the main stream. The fan is steepest near its apex, which points upstream, and slopes gently and convexly outward (downstream) with a gradual decrease in gradient.

Alluvium

Unconsolidated material, such as gravel, sand, silt, clay, and various mixtures of these, deposited on land by running water.

Alpha,alpha-dipyridyl

A compound that when dissolved in ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction implies reducing conditions and the likely presence of redoximorphic features.

Animal unit month (AUM)

The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions

Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Argillic horizon

A subsoil horizon characterized by an accumulation of illuvial clay.

Arroyo

The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in unconsolidated material. It is usually dry but can be transformed into a temporary watercourse or short-lived torrent after heavy rain within the watershed.

Aspect

The direction toward which a slope faces. Also called slope aspect.

Association, soil

A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity)

The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low: 0 to 3

Low: 3 to 6

Moderate: 6 to 9

High: 9 to 12

Very high: More than 12

Backslope

The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below.

Backswamp

A flood-plain landform. Extensive, marshy or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

Badland

A landscape that is intricately dissected and characterized by a very fine drainage network with high drainage densities and short, steep slopes and narrow interfluves. Badlands develop on surfaces that have little or no vegetative cover overlying unconsolidated or poorly cemented materials (clays, silts, or sandstones) with, in some cases, soluble minerals, such as gypsum or halite.

Bajada

A broad, gently inclined alluvial piedmont slope extending from the base of a mountain range out into a basin and formed by the lateral coalescence of a series of alluvial fans. Typically, it has a broadly undulating transverse profile, parallel to the mountain front, resulting from the convexities of component fans. The term is generally restricted to constructional slopes of intermontane basins.

Basal area

The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Base saturation

The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope (geomorphology)

A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Bedding plane

A planar or nearly planar bedding surface that visibly separates each successive layer of stratified sediment or rock (of the same or different lithology)

from the preceding or following layer; a plane of deposition. It commonly marks a change in the circumstances of deposition and may show a parting, a color difference, a change in particle size, or various combinations of these. The term is commonly applied to any bedding surface, even one that is conspicuously bent or deformed by folding.

Bedding system

A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock

The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography

A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace

A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum

Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Blowout (map symbol)

A saucer-, cup-, or trough-shaped depression formed by wind erosion on a preexisting dune or other sand deposit, especially in an area of shifting sand or loose soil or where protective vegetation is disturbed or destroyed. The adjoining accumulation of sand derived from the depression, where recognizable, is commonly included. Blowouts are commonly small.

Borrow pit (map symbol)

An open excavation from which soil and underlying material have been removed, usually for construction purposes.

Bottom land

An informal term loosely applied to various portions of a flood plain.

Boulders

Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks

A landscape or tract of steep, rough or broken land dissected by ravines and gullies and marking a sudden change in topography.

Breast height

An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management

Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Butte

An isolated, generally flat-topped hill or mountain with relatively steep slopes and talus or precipitous cliffs and characterized by summit width that is less than the height of bounding escarpments; commonly topped by a caprock of resistant material and representing an erosion remnant carved from flat-lying rocks.

Cable yarding

A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

Calcareous soil

A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caliche

A general term for a prominent zone of secondary carbonate accumulation in surficial materials in warm, subhumid to arid areas. Caliche is formed by both geologic and pedologic processes. Finely crystalline calcium carbonate forms a nearly continuous surface-coating and void-filling medium in geologic (parent) materials. Cementation ranges from weak in nonindurated forms to very strong in indurated forms. Other minerals (e.g., carbonates, silicate, and sulfate) may occur as accessory cements. Most petrocalcic horizons and some calcic horizons are caliche.

California bearing ratio (CBR)

The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy

The leafy crown of trees or shrubs. (See Crown.)

Canyon

A long, deep, narrow valley with high, precipitous walls in an area of high local relief.

Capillary water

Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena

A sequence, or “chain,” of soils on a landscape that formed in similar kinds of parent material and under similar climatic conditions but that have different characteristics as a result of differences in relief and drainage.

Cation

An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity

The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Catsteps

See Terracettes.

Cement rock

Shaly limestone used in the manufacture of cement.

Channery soil material

Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

Chemical treatment

Control of unwanted vegetation through the use of chemicals.

Chiseling

Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

Cirque

A steep-walled, semicircular or crescent-shaped, half-bowl-like recess or hollow, commonly situated at the head of a glaciated mountain valley or high on the side of a mountain. It was produced by the erosive activity of a mountain glacier. It commonly contains a small round lake (tarn).

Clay

As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions

See Redoximorphic features.

Clay film

A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Clay spot (map symbol)

A spot where the surface texture is silty clay or clay in areas where the surface layer of the soils in the surrounding map unit is sandy loam, loam, silt loam, or coarser.

Claypan

A dense, compact subsoil layer that contains much more clay than the overlying materials, from which it is separated by a sharply defined boundary. The layer restricts the downward movement of water through the soil. A claypan is commonly hard when dry and plastic and sticky when wet.

Climax plant community

The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Coarse textured soil

Sand or loamy sand.

Cobble (or cobblestone)

A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material

Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

COLE (coefficient of linear extensibility)

See Linear extensibility.

Colluvium

Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff.

Complex slope

Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil

A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Concretions

See Redoximorphic features.

Conglomerate

A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system

Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage

A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

Consistence, soil

Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the "Soil Survey Manual."

Contour stripcropping

Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section

The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coprogenous earth (sedimentary peat)

A type of limnic layer composed predominantly of fecal material derived from aquatic animals.

Corrosion (geomorphology)

A process of erosion whereby rocks and soil are removed or worn away by natural chemical processes, especially by the solvent action of running water, but also by other reactions, such as hydrolysis, hydration, carbonation, and oxidation.

Corrosion (soil survey interpretations)

Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop

A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Crop residue management

Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cropping system

Growing crops according to a planned system of rotation and management practices.

Cross-slope farming

Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown

The upper part of a tree or shrub, including the living branches and their foliage.

Cryoturbate

A mass of soil or other unconsolidated earthy material moved or disturbed by frost action. It is typically coarser than the underlying material.

Cuesta

An asymmetric ridge capped by resistant rock layers of slight or moderate dip (commonly less than 15 percent slopes); a type of homocline produced by differential erosion of interbedded resistant and weak rocks. A cuesta has a long, gentle slope on one side (dip slope) that roughly parallels the inclined beds; on the other side, it has a relatively short and steep or clifflike slope (scarp) that cuts through the tilted rocks.

Culmination of the mean annual increment (CMAI)

The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave

The walls of excavations tend to cave in or slough.

Decreasers

The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deferred grazing

Postponing grazing or resting grazing land for a prescribed period.

Delta

A body of alluvium having a surface that is fan shaped and nearly flat; deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

Dense layer

A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depression, closed (map symbol)

A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and that does not have a natural outlet for surface drainage.

Depth, soil

Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Desert pavement

A natural, residual concentration or layer of wind-polished, closely packed gravel, boulders, and other rock fragments mantling a desert surface. It forms where wind action and sheetwash have removed all smaller particles or where rock fragments have migrated upward through sediments to the surface. It typically protects the finer grained underlying material from further erosion.

Diatomaceous earth

A geologic deposit of fine, grayish siliceous material composed chiefly or entirely of the remains of diatoms.

Dip slope

A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

Diversion (or diversion terrace)

A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming

A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

Drainage class (natural)

Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—*excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained*. These classes are defined in the “Soil Survey Manual.”

Drainage, surface

Runoff, or surface flow of water, from an area.

Drainageway

A general term for a course or channel along which water moves in draining an area. A term restricted to relatively small, linear depressions that at some time move concentrated water and either do not have a defined channel or have only a small defined channel.

Draw

A small stream valley that generally is shallower and more open than a ravine or gulch and that has a broader bottom. The present stream channel may appear inadequate to have cut the drainageway that it occupies.

Drift

A general term applied to all mineral material (clay, silt, sand, gravel, and boulders) transported by a glacier and deposited directly by or from the ice or transported by running water emanating from a glacier. Drift includes unstratified material (till) that forms moraines and stratified deposits that form outwash plains, eskers, kames, varves, and glaciofluvial sediments. The term is generally applied to Pleistocene glacial deposits in areas that no longer contain glaciers.

Drumlin

A low, smooth, elongated oval hill, mound, or ridge of compact till that has a core of bedrock or drift. It commonly has a blunt nose facing the direction from which the ice approached and a gentler slope tapering in the other direction. The longer axis is parallel to the general direction of glacier flow. Drumlins are products of streamline (laminar) flow of glaciers, which molded the subglacial floor through a combination of erosion and deposition.

Duff

A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune

A low mound, ridge, bank, or hill of loose, windblown granular material (generally sand), either barren and capable of movement from place to place or covered and stabilized with vegetation but retaining its characteristic shape.

Earthy fill

See Mine spoil.

Ecological site

An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

Eluviation

The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation

A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian deposit

Sand-, silt-, or clay-sized clastic material transported and deposited primarily by wind, commonly in the form of a dune or a sheet of sand or loess.

Ephemeral stream

A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation

A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion

The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (accelerated)

Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion (geologic)

Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion pavement

A surficial lag concentration or layer of gravel and other rock fragments that remains on the soil surface after sheet or rill erosion or wind has removed the finer soil particles and that tends to protect the underlying soil from further erosion.

Erosion surface

A land surface shaped by the action of erosion, especially by running water.

Escarpment

A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Most commonly applied to cliffs produced by differential erosion. Synonym: scarp.

Escarpment, bedrock (map symbol)

A relatively continuous and steep slope or cliff, produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.

Escarpment, nonbedrock (map symbol)

A relatively continuous and steep slope or cliff, generally produced by erosion but in some places produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.

Esker

A long, narrow, sinuous, steep-sided ridge of stratified sand and gravel deposited as the bed of a stream flowing in an ice tunnel within or below the ice (subglacial) or between ice walls on top of the ice of a wasting glacier and left

behind as high ground when the ice melted. Eskers range in length from less than a kilometer to more than 160 kilometers and in height from 3 to 30 meters.

Extrusive rock

Igneous rock derived from deep-seated molten matter (magma) deposited and cooled on the earth's surface.

Fallow

Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fan remnant

A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, that have been either dissected or partially buried.

Fertility, soil

The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat)

The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity

The moisture content of a soil, expressed as a percentage of the oven-dry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity*, *normal moisture capacity*, or *capillary capacity*.

Fill slope

A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil

Sandy clay, silty clay, or clay.

Firebreak

An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

First bottom

An obsolete, informal term loosely applied to the lowest flood-plain steps that are subject to regular flooding.

Flaggy soil material

Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

Flagstone

A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain

The nearly level plain that borders a stream and is subject to flooding unless protected artificially.

Flood-plain landforms

A variety of constructional and erosional features produced by stream channel migration and flooding. Examples include backswamps, flood-plain splays, meanders, meander belts, meander scrolls, oxbow lakes, and natural levees.

Flood-plain splay

A fan-shaped deposit or other outspread deposit formed where an overloaded stream breaks through a levee (natural or artificial) and deposits its material (commonly coarse grained) on the flood plain.

Flood-plain step

An essentially flat, terrace-like alluvial surface within a valley that is frequently covered by floodwater from the present stream; any approximately horizontal surface still actively modified by fluvial scour and/or deposition. May occur individually or as a series of steps.

Fluvial

Of or pertaining to rivers or streams; produced by stream or river action.

Foothills

A region of steeply sloping hills that fringes a mountain range or high-plateau escarpment. The hills have relief of as much as 1,000 feet (300 meters).

Footslope

The concave surface at the base of a hillslope. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

Forb

Any herbaceous plant not a grass or a sedge.

Forest cover

All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type

A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragipan

A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Genesis, soil

The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Gilgai

Commonly, a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope. Typically, the microrelief of clayey soils that shrink and swell considerably with changes in moisture content.

Glaciofluvial deposits

Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur in the form of outwash plains, valley trains, deltas, kames, eskers, and kame terraces.

Glaciolacustrine deposits

Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are bedded or laminated.

Gleyed soil

Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Graded stripcropping

Growing crops in strips that grade toward a protected waterway.

Grassed waterway

A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel

Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravel pit (map symbol)

An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel.

Gravelly soil material

Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Gravelly spot (map symbol)

A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area that has less than 15 percent rock fragments.

Green manure crop (agronomy)

A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water

Water filling all the unblocked pores of the material below the water table.

Gully (map symbol)

A small, steep-sided channel caused by erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage whereas a rill is of lesser depth and can be smoothed over by ordinary tillage.

Hard bedrock

Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hard to reclaim

Reclamation is difficult after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Hardpan

A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Head slope (geomorphology)

A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.

Hemic soil material (mucky peat)

Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops

Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill

A generic term for an elevated area of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline. Slopes are generally more than 15 percent. The distinction between a hill and a mountain is arbitrary and may depend on local usage.

Hillslope

A generic term for the steeper part of a hill between its summit and the drainage line, valley flat, or depression floor at the base of a hill.

Horizon, soil

A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the "Soil Survey Manual." The major horizons of mineral soil are as follows:

O horizon: An organic layer of fresh and decaying plant residue.

L horizon: A layer of organic and mineral limnic materials, including coprogenous earth (sedimentary peat), diatomaceous earth, and marl.

A horizon: The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon: The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon: The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon: The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon: Soft, consolidated bedrock beneath the soil.

R layer: Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

M layer: A root-limiting subsoil layer consisting of nearly continuous, horizontally oriented, human-manufactured materials.

W layer: A layer of water within or beneath the soil.

Humus

The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups

Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties include depth to a seasonal high water table, the infiltration rate, and depth to a layer that significantly restricts the downward movement of water. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock

Rock that was formed by cooling and solidification of magma and that has not been changed appreciably by weathering since its formation. Major varieties include plutonic and volcanic rock (e.g., andesite, basalt, and granite).

Illuviation

The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil

A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers

Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Infiltration

The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity

The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate

The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate

The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Very low: Less than 0.2

Low: 0.2 to 0.4

Moderately low: 0.4 to 0.75

Moderate: 0.75 to 1.25

Moderately high: 1.25 to 1.75

High: 1.75 to 2.5

Very high: More than 2.5

Interfluve

A landform composed of the relatively undissected upland or ridge between two adjacent valleys containing streams flowing in the same general direction. An elevated area between two drainageways that sheds water to those drainageways.

Interfluve (geomorphology)

A geomorphic component of hills consisting of the uppermost, comparatively level or gently sloping area of a hill; shoulders of backwearing hillslopes can narrow the upland or can merge, resulting in a strongly convex shape.

Intermittent stream

A stream, or reach of a stream, that does not flow year-round but that is commonly dry for 3 or more months out of 12 and whose channel is generally below the local water table. It flows only during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders

On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions

See Redoximorphic features.

Irrigation

Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin: Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border: Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding: Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation: Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle): Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow: Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler: Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation: Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding: Water, released at high points, is allowed to flow onto an area without controlled distribution.

Kame

A low mound, knob, hummock, or short irregular ridge composed of stratified sand and gravel deposited by a subglacial stream as a fan or delta at the margin of a melting glacier; by a supraglacial stream in a low place or hole on the surface of the glacier; or as a ponded deposit on the surface or at the margin of stagnant ice.

Karst (topography)

A kind of topography that formed in limestone, gypsum, or other soluble rocks by dissolution and that is characterized by closed depressions, sinkholes, caves, and underground drainage.

Knoll

A small, low, rounded hill rising above adjacent landforms.

Ksat

See Saturated hydraulic conductivity.

Lacustrine deposit

Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lake plain

A nearly level surface marking the floor of an extinct lake filled by well sorted, generally fine textured, stratified deposits, commonly containing varves.

Lake terrace

A narrow shelf, partly cut and partly built, produced along a lakeshore in front of a scarp line of low cliffs and later exposed when the water level falls.

Landfill (map symbol)

An area of accumulated waste products of human habitation, either above or below natural ground level.

Landslide

A general, encompassing term for most types of mass movement landforms and processes involving the downslope transport and outward deposition of soil and rock materials caused by gravitational forces; the movement may or may not involve saturated materials. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones

Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Lava flow (map symbol)

A solidified, commonly lobate body of rock formed through lateral, surface outpouring of molten lava from a vent or fissure.

Leaching

The removal of soluble material from soil or other material by percolating water.

Levee (map symbol)

An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow onto lowlands.

Linear extensibility

Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at $1/3$ - or $1/10$ -bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Liquid limit

The moisture content at which the soil passes from a plastic to a liquid state.

Loam

Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loess

Material transported and deposited by wind and consisting dominantly of silt-sized particles.

Low strength

The soil is not strong enough to support loads.

Low-residue crops

Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Marl

An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions; formed primarily under freshwater lacustrine conditions but also formed in more saline environments.

Marsh or swamp (map symbol)

A water-saturated, very poorly drained area that is intermittently or permanently covered by water. Sedges, cattails, and rushes are the dominant vegetation in marshes, and trees or shrubs are the dominant vegetation in swamps. Not used in map units where the named soils are poorly drained or very poorly drained.

Mass movement

A generic term for the dislodgment and downslope transport of soil and rock material as a unit under direct gravitational stress.

Masses

See Redoximorphic features.

Meander belt

The zone within which migration of a meandering channel occurs; the flood-plain area included between two imaginary lines drawn tangential to the outer bends of active channel loops.

Meander scar

A crescent-shaped, concave or linear mark on the face of a bluff or valley wall, produced by the lateral erosion of a meandering stream that impinged upon and undercut the bluff.

Meander scroll

One of a series of long, parallel, close-fitting, crescent-shaped ridges and troughs formed along the inner bank of a stream meander as the channel migrated laterally down-valley and toward the outer bank.

Mechanical treatment

Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil

Very fine sandy loam, loam, silt loam, or silt.

Mesa

A broad, nearly flat topped and commonly isolated landmass bounded by steep slopes or precipitous cliffs and capped by layers of resistant, nearly horizontal rocky material. The summit width is characteristically greater than the height of the bounding escarpments.

Metamorphic rock

Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth's crust. Nearly all such rocks are crystalline.

Mine or quarry (map symbol)

An open excavation from which soil and underlying material have been removed and in which bedrock is exposed. Also denotes surface openings to underground mines.

Mine spoil

An accumulation of displaced earthy material, rock, or other waste material removed during mining or excavation. Also called earthy fill.

Mineral soil

Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage

Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area

A kind of map unit that has little or no natural soil and supports little or no vegetation.

Miscellaneous water (map symbol)

Small, constructed bodies of water that are used for industrial, sanitary, or mining applications and that contain water most of the year.

Moderately coarse textured soil

Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately fine textured soil

Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon

A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Moraine

In terms of glacial geology, a mound, ridge, or other topographically distinct accumulation of unsorted, unstratified drift, predominantly till, deposited primarily by the direct action of glacial ice in a variety of landforms. Also, a general term for a landform composed mainly of till (except for kame moraines, which are composed mainly of stratified outwash) that has been deposited by a glacier. Some types of moraines are disintegration, end, ground, kame, lateral, recessional, and terminal.

Morphology, soil

The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil

Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few*, *common*, and *many*; size—*fine*, *medium*, and *coarse*; and contrast—*faint*, *distinct*, and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium*, from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse*, more than 15 millimeters (about 0.6 inch).

Mountain

A generic term for an elevated area of the land surface, rising more than 1,000 feet (300 meters) above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can

occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic activity and/or volcanic action but can also be formed by differential erosion.

Muck

Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mucky peat

See Hemic soil material.

Mudstone

A blocky or massive, fine grained sedimentary rock in which the proportions of clay and silt are approximately equal. Also, a general term for such material as clay, silt, claystone, siltstone, shale, and argillite and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.

Munsell notation

A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon

A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil

A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules

See Redoximorphic features.

Nose slope (geomorphology)

A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent. Nose slopes consist dominantly of colluvium and slope-wash sediments (for example, slope alluvium).

Nutrient, plant

Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Organic matter

Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

Very low: Less than 0.5 percent

Low: 0.5 to 1.0 percent

Moderately low: 1.0 to 2.0 percent

Moderate: 2.0 to 4.0 percent

High: 4.0 to 8.0 percent

Very high: More than 8.0 percent

Outwash

Stratified and sorted sediments (chiefly sand and gravel) removed or “washed out” from a glacier by meltwater streams and deposited in front of or beyond the end moraine or the margin of a glacier. The coarser material is deposited nearer to the ice.

Outwash plain

An extensive lowland area of coarse textured glaciofluvial material. An outwash plain is commonly smooth; where pitted, it generally is low in relief.

Paleoterrace

An erosional remnant of a terrace that retains the surface form and alluvial deposits of its origin but was not emplaced by, and commonly does not grade to, a present-day stream or drainage network.

Pan

A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan*, *fragipan*, *claypan*, *plowpan*, and *traffic pan*.

Parent material

The unconsolidated organic and mineral material in which soil forms.

Peat

Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped

An individual natural soil aggregate, such as a granule, a prism, or a block.

Pedisediment

A layer of sediment, eroded from the shoulder and backslope of an erosional slope, that lies on and is being (or was) transported across a gently sloping erosional surface at the foot of a receding hill or mountain slope.

Pedon

The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation

The movement of water through the soil.

Perennial water (map symbol)

Small, natural or constructed lakes, ponds, or pits that contain water most of the year.

Permafrost

Ground, soil, or rock that remains at or below 0 degrees C for at least 2 years. It is defined on the basis of temperature and is not necessarily frozen.

pH value

A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Phase, soil

A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

Piping

Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Pitting

Pits caused by melting around ice. They form on the soil after plant cover is removed.

Plastic limit

The moisture content at which a soil changes from semisolid to plastic.

Plasticity index

The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plateau (geomorphology)

A comparatively flat area of great extent and elevation; specifically, an extensive land region that is considerably elevated (more than 100 meters) above the adjacent lower lying terrain, is commonly limited on at least one side by an abrupt descent, and has a flat or nearly level surface. A comparatively large part of a plateau surface is near summit level.

Playa

The generally dry and nearly level lake plain that occupies the lowest parts of closed depressions, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff. Playa deposits are fine grained and may or may not have a high water table and saline conditions.

Plinthite

The sesquioxide-rich, humus-poor, highly weathered mixture of clay with quartz and other diluents. It commonly appears as red mottles, usually in platy, polygonal, or reticulate patterns. Plinthite changes irreversibly to an ironstone hardpan or to irregular aggregates on repeated wetting and drying, especially if it is exposed also to heat from the sun. In a moist soil, plinthite can be cut with a spade. It is a form of laterite.

Plowpan

A compacted layer formed in the soil directly below the plowed layer.

Ponding

Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poorly graded

Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Pore linings

See Redoximorphic features.

Potential native plant community

See Climax plant community.

Potential rooting depth (effective rooting depth)

Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning

Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil

The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil

A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use

Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and

promotes the accumulation of litter and mulch necessary to conserve soil and water.

Rangeland

Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil

A measure of acidity or alkalinity of a soil, expressed as pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid: Less than 3.5

Extremely acid: 3.5 to 4.4

Very strongly acid: 4.5 to 5.0

Strongly acid: 5.1 to 5.5

Moderately acid: 5.6 to 6.0

Slightly acid: 6.1 to 6.5

Neutral: 6.6 to 7.3

Slightly alkaline: 7.4 to 7.8

Moderately alkaline: 7.9 to 8.4

Strongly alkaline: 8.5 to 9.0

Very strongly alkaline: 9.1 and higher

Red beds

Sedimentary strata that are mainly red and are made up largely of sandstone and shale.

Redoximorphic concentrations

See Redoximorphic features.

Redoximorphic depletions

See Redoximorphic features.

Redoximorphic features

Redoximorphic features are associated with wetness and result from alternating periods of reduction and oxidation of iron and manganese compounds in the soil. Reduction occurs during saturation with water, and oxidation occurs when the soil is not saturated. Characteristic color patterns are created by these processes. The reduced iron and manganese ions may be removed from a soil if vertical or lateral fluxes of water occur, in which case there is no iron or manganese precipitation in that soil. Wherever the iron and manganese are oxidized and precipitated, they form either soft masses or hard concretions or nodules. Movement of iron and manganese as a result of redoximorphic processes in a soil may result in redoximorphic features that are defined as follows:

1. Redoximorphic concentrations.—These are zones of apparent accumulation of iron-manganese oxides, including:
 - A. Nodules and concretions, which are cemented bodies that can be removed from the soil intact. Concretions are distinguished from nodules on the basis of internal organization. A concretion typically has concentric layers that are visible to the naked eye. Nodules do not have visible organized internal structure; *and*
 - B. Masses, which are noncemented concentrations of substances within the soil matrix; *and*
 - C. Pore linings, i.e., zones of accumulation along pores that may be either coatings on pore surfaces or impregnations from the matrix adjacent to the pores.
2. Redoximorphic depletions.—These are zones of low chroma (chromas less than those in the matrix) where either iron-manganese oxides alone or both iron-manganese oxides and clay have been stripped out, including:
 - A. Iron depletions, i.e., zones that contain low amounts of iron and manganese oxides but have a clay content similar to that of the adjacent matrix; *and*
 - B. Clay depletions, i.e., zones that contain low amounts of iron, manganese, and clay (often referred to as silt coatings or skeletans).
3. Reduced matrix.—This is a soil matrix that has low chroma *in situ* but undergoes a change in hue or chroma within 30 minutes after the soil material has been exposed to air.

Reduced matrix

See Redoximorphic features.

Regolith

All unconsolidated earth materials above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits.

Relief

The relative difference in elevation between the upland summits and the lowlands or valleys of a given region.

Residuum (residual soil material)

Unconsolidated, weathered or partly weathered mineral material that accumulated as bedrock disintegrated in place.

Rill

A very small, steep-sided channel resulting from erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. A rill generally is not an obstacle to wheeled vehicles and is shallow enough to be smoothed over by ordinary tillage.

Riser

The vertical or steep side slope (e.g., escarpment) of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural, steplike landforms, such as successive stream terraces.

Road cut

A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments

Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop (map symbol)

An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit.

Root zone

The part of the soil that can be penetrated by plant roots.

Runoff

The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil

A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

Saline spot (map symbol)

An area where the surface layer has an electrical conductivity of 8 mmhos/cm more than the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has an electrical conductivity of 2 mmhos/cm or less.

Sand

As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone

Sedimentary rock containing dominantly sand-sized particles.

Sandy spot (map symbol)

A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer.

Sapric soil material (muck)

The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saturated hydraulic conductivity (Ksat)

The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat." Terms describing saturated hydraulic conductivity are:

Very high: 100 or more micrometers per second (14.17 or more inches per hour)

High: 10 to 100 micrometers per second (1.417 to 14.17 inches per hour)

Moderately high: 1 to 10 micrometers per second (0.1417 inch to 1.417 inches per hour)

Moderately low: 0.1 to 1 micrometer per second (0.01417 to 0.1417 inch per hour)

Low: 0.01 to 0.1 micrometer per second (0.001417 to 0.01417 inch per hour)

Very low: Less than 0.01 micrometer per second (less than 0.001417 inch per hour).

To convert inches per hour to micrometers per second, multiply inches per hour by 7.0572. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.

Saturation

Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification

The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Sedimentary rock

A consolidated deposit of clastic particles, chemical precipitates, or organic remains accumulated at or near the surface of the earth under normal low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

Sequum

A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil

A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Severely eroded spot (map symbol)

An area where, on the average, 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units in which "severely eroded," "very severely eroded," or "gullied" is part of the map unit name.

Shale

Sedimentary rock that formed by the hardening of a deposit of clay, silty clay, or silty clay loam and that has a tendency to split into thin layers.

Sheet erosion

The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Short, steep slope (map symbol)

A narrow area of soil having slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

Shoulder

The convex, erosional surface near the top of a hillslope. A shoulder is a transition from summit to backslope.

Shrink-swell

The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Shrub-coppice dune

A small, streamlined dune that forms around brush and clump vegetation.

Side slope (geomorphology)

A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel. Side slopes are dominantly colluvium and slope-wash sediments.

Silica

A combination of silicon and oxygen. The mineral form is called quartz.

Silica-sesquioxide ratio

The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

Silt

As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone

An indurated silt having the texture and composition of shale but lacking its fine lamination or fissility; a massive mudstone in which silt predominates over clay.

Similar soils

Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole (map symbol)

A closed, circular or elliptical depression, commonly funnel shaped, characterized by subsurface drainage and formed either by dissolution of the surface of underlying bedrock (e.g., limestone, gypsum, or salt) or by collapse of underlying caves within bedrock. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography.

Site index

A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Slickensides (pedogenic)

Grooved, striated, and/or glossy (shiny) slip faces on structural peds, such as wedges; produced by shrink-swell processes, most commonly in soils that have a high content of expansive clays.

Slide or slip (map symbol)

A prominent landform scar or ridge caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces.

Slope

The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.

Slope alluvium

Sediment gradually transported down the slopes of mountains or hills primarily by nonchannel alluvial processes (i.e., slope-wash processes) and characterized by particle sorting. Lateral particle sorting is evident on long slopes. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of rock fragments and may be separated by stone lines. Burnished peds and sorting of rounded or subrounded pebbles or cobbles distinguish these materials from unsorted colluvial deposits.

Slow refill

The slow filling of ponds, resulting from restricted water transmission in the soil.

Slow water movement

Restricted downward movement of water through the soil. See Saturated hydraulic conductivity.

Sodic (alkali) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodic spot (map symbol)

An area where the surface layer has a sodium adsorption ratio that is at least 10 more than that of the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has a sodium adsorption ratio of 5 or less.

Sodicity

The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^+ to $\text{Ca}^{++} + \text{Mg}^{++}$. The degrees of sodicity and their respective ratios are:

Slight: Less than 13:1

Moderate: 13-30:1

Strong: More than 30:1

Sodium adsorption ratio (SAR)

A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock

Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil

A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief and by the passage of time.

Soil separates

Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand: 2.0 to 1.0

Coarse sand: 1.0 to 0.5

Medium sand: 0.5 to 0.25

Fine sand: 0.25 to 0.10

Very fine sand: 0.10 to 0.05

Silt: 0.05 to 0.002

Clay: Less than 0.002

Solum

The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Spoil area (map symbol)

A pile of earthy materials, either smoothed or uneven, resulting from human activity.

Stone line

In a vertical cross section, a line formed by scattered fragments or a discrete layer of angular and subangular rock fragments (commonly a gravel- or cobble-sized lag concentration) that formerly was draped across a topographic surface and was later buried by additional sediments. A stone line generally caps material that was subject to weathering, soil formation, and erosion before burial. Many stone lines seem to be buried erosion pavements, originally formed by sheet and rill erosion across the land surface.

Stones

Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony

Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stony spot (map symbol)

A spot where 0.01 to 0.1 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surrounding soil has no surface stones.

Strath terrace

A type of stream terrace; formed as an erosional surface cut on bedrock and thinly mantled with stream deposits (alluvium).

Stream terrace

One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel, originally formed near the level of the stream; represents the remnants of an abandoned flood plain, stream bed, or valley floor produced during a former state of fluvial erosion or deposition.

Stripcropping

Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to wind erosion and water erosion.

Structure, soil

The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are:

Platy: Flat and laminated

Prismatic: Vertically elongated and having flat tops

Columnar: Vertically elongated and having rounded tops

Angular blocky: Having faces that intersect at sharp angles (planes)

Subangular blocky: Having subrounded and planar faces (no sharp angles)

Granular: Small structural units with curved or very irregular faces

Structureless soil horizons are defined as follows:

Single grained: Entirely noncoherent (each grain by itself), as in loose sand

Massive: Occurring as a coherent mass

Stubble mulch

Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil

Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling

Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum

The part of the soil below the solum.

Subsurface layer

Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow

The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit

The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

Surface layer

The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

Surface soil

The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

Talus

Rock fragments of any size or shape (commonly coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.

Taxadjuncts

Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

Terminal moraine

An end moraine that marks the farthest advance of a glacier. It typically has the form of a massive arcuate or concentric ridge, or complex of ridges, and is underlain by till and other types of drift.

Terrace (conservation)

An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field

generally is built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geomorphology)

A steplike surface, bordering a valley floor or shoreline, that represents the former position of a flood plain, lake, or seashore. The term is usually applied both to the relatively flat summit surface (tread) that was cut or built by stream or wave action and to the steeper descending slope (scarp or riser) that has graded to a lower base level of erosion.

Terracettes

Small, irregular steplike forms on steep hillslopes, especially in pasture, formed by creep or erosion of surficial materials that may be induced or enhanced by trampling of livestock, such as sheep or cattle.

Texture, soil

The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay, and clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying “coarse,” “fine,” or “very fine.”

Thin layer

Otherwise suitable soil material that is too thin for the specified use.

Till

Dominantly unsorted and nonstratified drift, generally unconsolidated and deposited directly by a glacier without subsequent reworking by meltwater, and consisting of a heterogeneous mixture of clay, silt, sand, gravel, stones, and boulders; rock fragments of various lithologies are embedded within a finer matrix that can range from clay to sandy loam.

Till plain

An extensive area of level to gently undulating soils underlain predominantly by till and bounded at the distal end by subordinate recessional or end moraines.

Tilth, soil

The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toeslope

The gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.

Topsoil

The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Trace elements

Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Tread

The flat to gently sloping, topmost, laterally extensive slope of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural steplike landforms, such as successive stream terraces.

Tuff

A generic term for any consolidated or cemented deposit that is 50 percent or more volcanic ash.

Upland

An informal, general term for the higher ground of a region, in contrast with a low-lying adjacent area, such as a valley or plain, or for land at a higher elevation than the flood plain or low stream terrace; land above the footslope zone of the hillslope continuum.

Valley fill

The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) so as to fill or partly fill a valley.

Variegation

Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve

A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Very stony spot (map symbol)

A spot where 0.1 to 3.0 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surface of the surrounding soil is covered by less than 0.01 percent stones.

Water bars

Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Weathering

All physical disintegration, chemical decomposition, and biologically induced changes in rocks or other deposits at or near the earth's surface by atmospheric or biologic agents or by circulating surface waters but involving essentially no transport of the altered material.

Well graded

Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wet spot (map symbol)

A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit.

Wilting point (or permanent wilting point)

The moisture content of soil, on an oven-dry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow

The uprooting and tipping over of trees by the wind.

APPENDIX D

Results of Asbestos and Lead-Based Paint Survey



Industrial Hygiene

Asbestos & Lead Based Paint Survey

Project Location:

15 Randolph Avenue
Pulaski, VA 24301

Prepared For:

Ms. Janet Frazier
Program Manager
Draper Aden Associates
2206 South Main Street
Blacksburg, Virginia 24060

Prepared By:

The EI Group, Inc.
15 Salem Avenue SE
Roanoke, Virginia 24011
Office: 540-343-9595
Fax: 540-343-5902
www.eil.com

EI Project: IHRO170109.00

Report Date: August 9, 2017

Asbestos and Lead-Based Paint Survey Report

Project Location:

15 Randolph Avenue
Pulaski, VA 24301

Prepared For:

Mrs. Janet Frazier
Program Manager
Draper Aden Associates
2206 South Main Street
Blacksburg, VA 24060

Prepared By:

The EI Group, Inc.
15 Salem Avenue SE, Suite 301
Roanoke, VA 24011
Office: (540) 343-9595
Fax: (540) 343-5902
www.ei1.com



Curtis Duncan
Industrial Hygienist
VA Asbestos Inspector No. 3303-004192



Eric Cureton
Roanoke Operations Manager
VA Asbestos Inspector No. 3303-003180
VA Lead-Based Paint Risk Assessor No. 3356-00811

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APPENDIX A – Asbestos Bulk Sampling Results Table

APPENDIX B – EMSL Analytical Report - Asbestos

APPENDIX C – EMSL Analytical Report – Lead Based Paint

APPENDIX D – Employee Professional Licensure

1.0 INTRODUCTION

Ms. Janet Frazier, with Draper Aden Associates contracted The EI Group, Inc. (EI) to conduct a National Emission Standard for Hazardous Air Pollutants (NESHAPs) asbestos survey and conduct a lead-based paint survey at the facility located at 15 Randolph Avenue in Pulaski, Virginia. The testing was conducted prior to the disturbance of any materials of the building. Please note that the scope of this survey was limited to accessible building materials that will be impacted by the planned future demolition of the property.

Mr. Curtis Duncan, an EPA accredited and Virginia licensed Asbestos Inspector conducted the survey on August 3, 2017. Mr. Duncan's Virginia Department of Professional and Occupational Regulation (VA DPOR) Asbestos Inspector license number is 3303-004192. Mr. Duncan collected lead paint chip samples under the direction of Mr. Eric Cureton, VA DPOR Lead-Based Paint Risk Assessor license number is 3343-00811.

2.0 METHODOLOGY

Asbestos Survey

During the asbestos survey, suspect asbestos containing materials were inspected and sampled according to homogeneous area. A material or area is considered homogeneous if it is consistent in size, texture, color, and application. All samples were collected in a randomly distributed manner, in areas of easy access, and in a quantity in accordance with EPA regulations. Samples were collected of suspect asbestos containing building materials at 15 Randolph Avenue of the building's interior and exterior. A total of thirteen (13) bulk samples were obtained for analysis from the building on the subject property.

Each sample was individually sealed in a plastic sample bag and submitted to EMSL Analytical Inc. (EMSL) in Charlotte, North Carolina for analysis. EMSL is accredited by the National Institute of Standards and Technology (NIST) for polarized light microscopy (PLM) analysis of asbestos in bulk materials and under the National Voluntary Laboratory Accreditation Program (NVLAP). Samples were analyzed by PLM with dispersion staining techniques (EPA Interim Method for Determination of Asbestos in Bulk Materials, EPA-600/M4-822-020).

The EPA adopted the National Emission Standards for Hazardous Air Pollutants (NESHAP) policy on the analysis of multi-layered asbestos samples (40 CFR Part 61). This policy requires laboratories to prep, analyze, and report, separately, each layer of a multi-layered sample. Any layer containing greater than one percent (1%) asbestos is declared an Asbestos Containing Material (ACM). A total of thirteen (13) samples were collected and analyzed and an additional eighteen (18) sample layers were analyzed, which were determined by the laboratory to be separate homogenous materials. A total of thirty-one (31) suspect materials were sampled during the survey.

Lead-Based Paint Survey

Paint Chip Sampling Methodology

Paint chip sampling was utilized to determine the presence of lead on the surfaces to be disturbed. For paint type, a section of paint was removed from the substrate. All layers of paint on the surface were included in the sample. These samples were individually sealed, and were submitted via chain of custody protocol to and analyzed by EMSL Analytical, Inc. of Charlotte, North Carolina. The samples were analyzed using Method SW 846 3050B/7000B. EMSL Analytical, Inc. is accredited by the American Industrial Hygiene Association (AIHA) Laboratory Accreditation Program (AIHA-LAP) and is also a fully accredited and Virginia licensed laboratory.

The inspection was conducted in accordance with the Environmental Protection Agency (EPA)'s work practice standards for conducting lead-based paint activities (40 CFR 745.227), the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* (Guidelines) with the 1997 & 2012 revisions, and the *Virginia Lead-Based Paint Activities Regulations* Title 54.1, Chapter 5 and local regulations. Samples were collected to represent component types; therefore it should be assumed that similar component types in the rest of that room or room equivalent also are finished with lead containing paint.

3.0 RESULTS AND RECOMMENDATIONS

Asbestos Results

Laboratory analysis indicated **five (5)** of the samples collected during the survey at 15 Randolph Avenue contained asbestos in quantities (>1%) to be considered an asbestos containing material (ACM).

Laboratory analysis indicated **ten (10)** of the samples collected during the survey contained trace amounts of asbestos (<1%), and are not considered asbestos containing materials.

Samples 01, 02, 03, 04, and 05 were collected from the exterior of the building. The material identified is roofing tar associated with the roof shingles and felt paper. This material contains 4% Chrysotile Asbestos. This material is non-friable, in significantly damaged condition, with a high potential for disturbance. Approximately 6500 square feet of this material was noted.

None of the remaining samples collected contained asbestos. Full sampling results can be found in Appendix A: Asbestos Bulk Sampling Results Table. EMSL's Analytical Report is included in Appendix B.

Lead Based Paint Results

This is a report of the paint chip sampling to determine if surfaces to be disturbed are finished with lead containing paint. The presence or absence of lead containing paint only applies to surfaces tested or assessed on the dates of the field visits. Mr. Duncan collected a total of six (6) samples from the building.

According to HUD/EPA Guidelines, paint with concentrations of lead that exceed 0.5% by weight must be considered a lead-based paint (LBP). However, any detectable lead concentration in paint is defined by the Occupational Safety and Health Administration (OSHA) as lead-containing paints. Disturbance of these surfaces may contribute to the development of lead dust hazards and personal exposure to lead dusts. Personal exposure and the disturbance of lead-containing materials is regulated by OSHA in *29CFR 1910.1025* and *29CFR 1926.62*. **One (1)** of the samples tested in the facility were identified as containing lead-based paint. EMSL's Analytical Report is included in Appendix C.

Table 1: Lead Paint Chip Sampling Results 15 Randolph Avenue Pulaski, Virginia				
Sample No.	Sample Location	Component Description	Color	Lead Content (% wt.)
LP-01	Exterior	Wall	Red	0.036
LP-02	Exterior	Wall	Red	0.70
LP-03	Exterior	Wood Trim	Blue	0.054
LP-04	Exterior	Wood Trim	Blue	0.052
LP-05	Interior	Ceiling	White	0.042
LP-06	Interior	Ceiling	White	0.026

4.0 DISCLAIMER

This inspection and report is written for and intended for the use of the Draper Aden Associates and their clients only. EI will not be held liable for any interpretations made, opinions formed, or conclusions drawn by any third party as a result of examining the lab results, inspection results or this report. Any interpretations, opinions, and conclusions will be those made, formed, and drawn solely by that third party.

We have endeavored to complete the services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions at this project. No other representation, express or implied, is included or intended, and no warranty or guarantee is included or intended in this agreement, or any report, opinion, document, or other instrument of service.

This survey was limited to accessible building materials. Should additional suspect asbestos containing materials or lead based paint that were formerly inaccessible prior to the demolition process become accessible the building materials should be assumed asbestos containing or lead based paint until sampling proves otherwise. It is sometimes necessary to collect additional samples during the demolition process.

APPENDICES

APPENDIX A:

Asbestos Bulk Sampling Results Table

Table 2: Asbestos Bulk Sampling Results
15 Randolph Avenue
Pulaski, Virginia 24301
Survey Date: August 3, 2017

Sample No.	Material Description	Location	Asbestos (% & Type)	Friability	Potential For Disturbance	Condition
01	Shingle	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
01A	Tar	Roof	4% Chrysotile	Non-friable	High	Significantly Damaged
01B	Tar Paper	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
02	Shingle	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
02A	Tar	Roof	4% Chrysotile	Non-friable	High	Significantly Damaged
02B	Tar Paper	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
03	Shingle	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
03A	Tar	Roof	4% Chrysotile	Non-friable	High	Significantly Damaged
03B	Tar Paper	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
04	Shingle	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
04A	Tar	Roof	4% Chrysotile	Non-friable	High	Significantly Damaged
04B	Tar Paper	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
05	Shingle	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
05A	Tar	Roof	4% Chrysotile	Non-friable	High	Significantly Damaged
05B	Tar Paper	Roof	<1% Chrysotile	Non-friable	High	Significantly Damaged
06	Skim Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
06A	Rough Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
07	Skim Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
07A	Rough Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
08	Skim Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
08A	Rough Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged

Table 2: Asbestos Bulk Sampling Results
15 Randolph Avenue
Pulaski, Virginia 24301
Survey Date: August 3, 2017

Sample No.	Material Description	Location	Asbestos (% & Type)	Friability	Potential For Disturbance	Condition
09	Skim Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
09A	Rough Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
10	Skim Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
10A	Rough Coat Plaster	Interior Wall	NAD	Friable	High	Significantly Damaged
11	Brick	Exterior Wall	NAD	Non-friable	High	Damaged
11A	Mortar	Exterior Wall	NAD	Non-friable	High	Damaged
12	Brick	Exterior Wall	NAD	Non-friable	High	Damaged
12A	Mortar	Exterior Wall	NAD	Non-friable	High	Damaged
13	Brick	Exterior Wall	NAD	Non-friable	High	Damaged
13A	Mortar	Exterior Wall	NAD	Non-friable	High	Damaged

***NAD: No Asbestos Detected**

APPENDIX B:

**EMSL ANALYTICAL, INC
Laboratory Report - Asbestos**



EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273

Tel/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com> / charlottelab@emsl.com

EMSL Order: 411706016

Customer ID: ENVI44

Customer PO:

Project ID:

Attention: Curtis Duncan

The EI Group, Inc.

201 McCullough Drive

Suite 150

Charlotte, NC 28262

Phone: (704) 593-1640

Fax: (704) 593-1650

Received Date: 08/07/2017 11:45 AM

Analysis Date: 08/07/2017

Collected Date: 08/03/2017

Project: IHRO170109.00 15 Randolph Ave., Pulaski, VA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-Shingle <i>411706016-0001</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous	25% Cellulose	5% Quartz 70% Non-fibrous (Other)	<1% Chrysotile
01-Tar <i>411706016-0001A</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous		8% Quartz 88% Non-fibrous (Other)	4% Chrysotile
01-Tar Paper <i>411706016-0001B</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	<1% Chrysotile
02-Shingle <i>411706016-0002</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous	25% Cellulose	5% Quartz 70% Non-fibrous (Other)	<1% Chrysotile
02-Tar <i>411706016-0002A</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous		8% Quartz 88% Non-fibrous (Other)	4% Chrysotile
02-Tar Paper <i>411706016-0002B</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	<1% Chrysotile
03-Shingle <i>411706016-0003</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous	30% Cellulose	8% Quartz 62% Non-fibrous (Other)	<1% Chrysotile
03-Tar <i>411706016-0003A</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
03-Tar Paper <i>411706016-0003B</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	<1% Chrysotile
04-Shingle <i>411706016-0004</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	45% Cellulose	5% Quartz 50% Non-fibrous (Other)	<1% Chrysotile
04-Tar <i>411706016-0004A</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	2% Cellulose	94% Non-fibrous (Other)	4% Chrysotile
04-Tar Paper <i>411706016-0004B</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	<1% Chrysotile
05-Shingle <i>411706016-0005</i> <i>Possible contamination</i>	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	20% Cellulose	5% Quartz 5% Ca Carbonate 70% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 08/08/2017 09:17:51



EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273

Tel/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com> / charlottelab@emsl.com

EMSL Order: 411706016

Customer ID: ENVI44

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
05-Tar 411706016-0005A	Shingle/ Tar Paper Roof	Black Fibrous Homogeneous	2% Cellulose	94% Non-fibrous (Other)	4% Chrysotile
05-Tar Paper 411706016-0005B Possible contamination	Shingle/ Tar Paper Roof	Black Non-Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	<1% Chrysotile
06-Skim Coat 411706016-0006	Plaster Interior Wall System	White Non-Fibrous Homogeneous		15% Quartz 8% Ca Carbonate 77% Non-fibrous (Other)	None Detected
06-Rough Coat 411706016-0006A	Plaster Interior Wall System	Gray Non-Fibrous Homogeneous		8% Ca Carbonate 10% Perlite 82% Non-fibrous (Other)	None Detected
07-Skim Coat 411706016-0007	Plaster Interior Wall System	White Non-Fibrous Homogeneous		25% Quartz 5% Ca Carbonate 70% Non-fibrous (Other)	None Detected
07-Rough Coat 411706016-0007A	Plaster Interior Wall System	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 10% Perlite 80% Non-fibrous (Other)	None Detected
08-Skim Coat 411706016-0008	Plaster Interior Wall System	White Non-Fibrous Homogeneous		30% Quartz 5% Ca Carbonate 65% Non-fibrous (Other)	None Detected
08-Rough Coat 411706016-0008A	Plaster Interior Wall System	Gray Non-Fibrous Homogeneous		8% Ca Carbonate 8% Perlite 84% Non-fibrous (Other)	None Detected
09-Skim Coat 411706016-0009	Plaster Interior Wall System	White Non-Fibrous Homogeneous		20% Quartz 8% Ca Carbonate 72% Non-fibrous (Other)	None Detected
09-Rough Coat 411706016-0009A	Plaster Interior Wall System	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 15% Perlite 80% Non-fibrous (Other)	None Detected
10-Skim Coat 411706016-0010	Plaster Interior Wall System	White Non-Fibrous Homogeneous		25% Quartz 8% Ca Carbonate 67% Non-fibrous (Other)	None Detected
10-Rough Coat 411706016-0010A	Plaster Interior Wall System	Gray Non-Fibrous Homogeneous		5% Ca Carbonate 15% Perlite 80% Non-fibrous (Other)	None Detected
11-Brick 411706016-0011	Exterior Brick/ Mortar	Red Non-Fibrous Homogeneous		40% Quartz 5% Ca Carbonate 55% Non-fibrous (Other)	None Detected
11-Mortar 411706016-0011A	Exterior Brick/ Mortar	Gray Non-Fibrous Homogeneous		35% Quartz 8% Ca Carbonate 57% Non-fibrous (Other)	None Detected
12-Brick 411706016-0012	Exterior Brick/ Mortar	Red Non-Fibrous Homogeneous		40% Quartz 8% Ca Carbonate 52% Non-fibrous (Other)	None Detected
12-Mortar 411706016-0012A	Exterior Brick/ Mortar	Gray Non-Fibrous Homogeneous		40% Quartz 8% Ca Carbonate 52% Non-fibrous (Other)	None Detected
13-Brick 411706016-0013	Exterior Brick/ Mortar	Red Non-Fibrous Homogeneous		40% Quartz 8% Ca Carbonate 52% Non-fibrous (Other)	None Detected
13-Mortar 411706016-0013A	Exterior Brick/ Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 8% Ca Carbonate 62% Non-fibrous (Other)	None Detected

Initial report from: 08/08/2017 09:17:51



EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273

Tel/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com> / charlottelab@emsl.com

EMSL Order: 411706016

Customer ID: ENVI44

Customer PO:

Project ID:

Analyst(s)

Anupriya Tyagi (6)

Eric Loomis (6)

Lyterra Barrow (19)

Lee Plumley, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from: 08/08/2017 09:17:51

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

411706016

 EMSL ANALYTICAL, INC.
 376 CROMPTON STREET
 CHARLOTTE, NC 28273
 PHONE (704) 525-2205
 FAX (704) 525-2382

Company Name: <u>EI</u>		EMSL Customer ID:	
Street: <u>201 McCullough Dr. Suite 155</u>		City: <u>CHARLOTTE</u>	State/Province: <u>NC</u>
Zip/Postal Code: <u>28262</u>	Country: <u>USA</u>	Telephone #: <u>919 621 3729</u>	Fax #:
Report To (Name): <u>CURTIS DUNCAN</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <u>cduncan@ei1.com</u>		Purchase Order:	
Project Name/Number: <u>ITH0170109.00 15 Randolph Ave</u>		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: <u>VA Palaski, VA</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

 EMSL-Bill to: ☒ Same ☐ Different - If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>
---	--	--

☐ Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

 Samplers Name: RCURTIS DUNCAN Samplers Signature: RCurtis Duncan

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01	Shingle/Tar Paper Roof		8/3/17
02			
03			
04			
05			

Client Sample # (s):	Total # of Samples: <u>13</u>
Relinquished (Client): <u>RCurtis Duncan</u>	Date: <u>8/7/17</u> Time: _____
Received (Lab): <u>Kyle Nib</u>	Date: <u>8/1/17</u> Time: <u>11:45 AM W/10</u>
Comments/Special Instructions: <u>X Please copy Eric Cureton w/ results ecureton@ei1.com</u>	

APPENDIX C:

**EMSL ANALYTICAL, INC
Laboratory Report – Lead Paint**

**EMSL Analytical, Inc.**

376 Crompton Street, Charlotte, NC 28273

Phone/Fax: (704) 525-2205 / (704) 525-2382

<http://www.EMSL.com>charlottelab@emsl.com

EMSL Order: 411706015

CustomerID: ENVI44

CustomerPO:

ProjectID:

Attn: **Curtis Duncan**
The EI Group, Inc.
201 McCullough Drive
Suite 150
Charlotte, NC 28262

Phone: (704) 593-1640
Fax: (704) 593-1650
Received: 08/07/17 11:45 AM
Collected: 8/3/2017

Project: **IHRO170109.00 15 Randolph Ave., Pulaski, VA****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
LP-01	411706015-0001	8/3/2017	8/7/2017	0.036 % wt
Site: Red Exterior Paint				
LP-02	411706015-0002	8/3/2017	8/7/2017	0.70 % wt
Site: Red Exterior Paint				
LP-03	411706015-0003	8/3/2017	8/7/2017	0.054 % wt
Site: Blue Exterior Paint				
LP-04	411706015-0004	8/3/2017	8/7/2017	0.052 % wt
Site: Blue Exterior Paint				
LP-05	411706015-0005	8/3/2017	8/7/2017	0.042 % wt
Site: White Interior Paint				
LP-06	411706015-0006	8/3/2017	8/7/2017	0.026 % wt
Site: White Interior Paint				

Kyle Collins, Technical Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Charlotte, NC AIHA-LAP, LLC - ELLAP 192283

Initial report from 08/08/2017 08:15:13

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

411706015

EMSL ANALYTICAL, INC.
376 CROMPTON STREET
CHARLOTTE, NC 28273
PHONE: (704) 525-2205
FAX: (704) 525-2382

Company: <u>EI</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**		
Street: <u>201 McCullough Dr. Suite 155</u>		Third Party Billing requires written authorization from third party		
City: <u>CHARLOTTE</u>	State/Province: <u>NC</u>	Zip/Postal Code: <u>28262</u>	Country: <u>USA</u>	
Report To (Name): <u>CURTIS DUNCAN</u>		Telephone #: <u>919 621 3729</u>		
Email Address: <u>cduncan@ei1.com</u>		Fax #:	Purchase Order:	
Project Name/Number: <u>IHR0170109.00 15 Randolph Ave</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		
U.S. State Samples Taken: <u>VA</u> <u>Pulaski, VA</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt		
Turnaround Time (TAT) Options* - Please Check				
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week	
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide				
Matrix	Method	Instrument	Reporting Limit	Check
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm (mg/kg)	SW846-7000B	Flame Atomic Absorption	0.01%	<input checked="" type="checkbox"/>
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	<input type="checkbox"/>
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	<input type="checkbox"/>
	NIOSH 7300M/NIOSH 7303	ICP-OES	0.5 µg/filter	<input type="checkbox"/>
Wipe* <input type="checkbox"/> ASTM non ASTM <input type="checkbox"/> *if no box checked, non-ASTM Wipe assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	1.0 µg/wipe	<input type="checkbox"/>
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1311/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
SPLP	SW846-1312/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	SW846-1312/SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
TTLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
STLC	22 CCR App. II, 7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, SW846-6010B or C	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	<input type="checkbox"/>
	SW846-6010B or C	ICP-OES	2 mg/kg (ppm)	<input type="checkbox"/>
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	<input type="checkbox"/>
Other:				<input type="checkbox"/>
Name of Sampler: <u>RCURTIS DUNCAN</u>		Signature of Sampler: <u>RCurtis Duncan</u>		
Sample #	Location	Volume/Area	Date/Time Sampled	
<u>LP-01</u>	<u>Red Exterior Paint</u>	<u>—</u>	<u>8/3/17</u>	
<u>LP-02</u>	<u>↓</u>	<u>—</u>	<u>↓</u>	
Client Sample #s	-		Total # of Samples: <u>6</u>	
Relinquished (Client): <u>RCurtis Duncan</u>	Date: <u>8/3/17</u>	Time:		
Received (Lab): <u>High N</u>	Date: <u>8/7/17</u>	Time: <u>11:45am W/LIN</u>		
Comments: <u>* Please copy Eric Cureton w/ results ecureton@ei1.com</u>				

411706015

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APPENDIX D

Employee Professional Licensure

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

07-31-2018

NUMBER

3303004192

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS ASBESTOS INSPECTOR LICENSE



ROBERT CURTIS DUNCAN
925 HALSEY KNOB RD
SPARTA, NC 28675-0000



Status can be verified at <http://www.dpor.virginia.gov>

Jay W. DeBoer
Jay W. DeBoer, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

NUMBER: 3303004192 EXPIRES: 07-31-2018

ROBERT CURTIS DUNCAN
925 HALSEY KNOB RD
SPARTA, NC 28675-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

11-30-2017

NUMBER

3356000811

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS LEAD RISK ASSESSOR LICENSE



ERIC DAVID CURETON



Jay W. DeBoer
Jay W. DeBoer, Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (05/2015)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
LEAD RISK ASSESSOR LICENSE
NUMBER: 3356000811 EXPIRES: 11-30-2017

ERIC DAVID CURETON



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (05/2015)

APPENDIX E

Qualifications of Environmental Professionals



*Senior Project Geologist
14 years with the firm
21 years of experience*

Education

- B.S./1990/Summa Cum Laude/Geology/Engineering Geosciences/Radford University

Professional Registration

- Professional Geologist/1999/TN

Areas of Expertise

- Virginia and Federal Hazardous Waste Management Regulations
- Phase I and II Environmental Site Assessments
- Groundwater monitoring programs for solid waste management facilities

Ross G. Miller, PG

Senior Project Geologist

Mr. Miller's field experience includes soil, ground water, surface water, storm water, and wastewater sampling for the private sector and government agencies. Responsible for writing reports, developing and monitoring project schedules and budgets, managing project teams, conducting field investigations, analyzing data, and maintaining client relationships

Phase I ESA and Remediation Assessment, City of Roanoke, VA: Senior Project Geologist for preparation of Phase I ESA for a former paint manufacturing facility under the City of Roanoke's EPA Brownfields Assessment Grant. Evaluated previously collected soil and groundwater analytical data for the site. Prepared a remediation assessment and cost estimate for removal of soil impacted with VOCs, PAHs, petroleum hydrocarbons, and PCBs.

Phase I and Phase II Environmental Site Assessments, City of Roanoke, VA: Senior Project Geologist for preparation of Phase I and Phase II ESAs for a former scrap metal recycling facility under the City of Roanoke's EPA Brownfields Assessment Grant. Evaluated previously collected soil analytical data and conducted subsurface investigations to further assess an area with PCB-impacted soils as well as groundwater conditions beneath the site. Prepared a remediation assessment and cost estimate for removal of soil impacted with lead and PCBs.

Former Singer Furniture Manufacturing Facility, Roanoke, VA: Phase II ESA, groundwater monitoring, contaminated material management and coordination of Brownfield redevelopment.

Federal Industrial Facility, Southwest VA: Project Manager for development of an alternate source demonstration for groundwater impacted by trichloroethene at a hazardous waste management unit at a manufacturing facility, underlain by structurally deformed carbonate bedrock with well-developed karst features.

USEPA Consent Order, Campus-wide Solid Waste Management Units, Virginia Tech, Blacksburg, VA: Senior Project Geologist. Providing services related to tasks required under a USEPA consent order, which Virginia Tech entered into with USEPA in 2010.

Groundwater Monitoring, Virginia Tech Landfill, Blacksburg, VA: Senior Project Geologist. On-going annual groundwater monitoring and reporting at Virginia Tech's closed sanitary landfill.



Janet C. Frazier

Senior Environmental Scientist/Environmental Program Manager

Ms. Frazier's experience in environmental consulting includes conducting environmental assessments (i.e., Due diligence/Phase I/Phase II ESAs) to support pre-acquisition property transfers. She has extensive experience in database management, data validation and data quality assurance/quality control planning.

Associate; Program Manager
26 years with the firm
29 years of experience

Education

- B.S./1987/Biochemistry/
Virginia Tech

Continuing Education

- NAEP Conference, Durham,
NC - 2017
- Hazardous Materials in
the Built Environment,
October 2013
- USEPA – Brownfields
Conference - 2015
- Vapor Intrusion
Regulatory Updates

As a senior associate with the firm and program manager, she is responsible for project design, sample collection, analysis and reporting for a broad range of environmental projects. Her work also includes environmental compliance assistance to the public and private sector for projects administered under CAA, CWA, FIFRA, EPCRA, RCRA, CERCLA and state regulatory programs.

Brownfields Environmental Consulting Services, City of Roanoke, VA: Project Manager. City-wide hazardous substances, dry cleaners and UST inventory, Phase I and Phase II Environmental Site Assessments (ESA) of brownfields sites in the City (USEPA's Brownfield Grants).

Brownfields Project, Town of Pulaski, VA: Senior Environmental Scientist. Phase I and Phase II ESA, including sampling and analysis plan (SAP) of brownfield sites for the Town of Pulaski under USEPA's Brownfield Assessment Grant.

Brownfields Property Redevelopment, City of Bristol, VA: Data Quality Assurance Manager. Phase I and Phase II ESA under the City's Targeted Brownfields Assessment Program for a former industrial/warehouse building site.

Brownfields Project, Town of Hurt, VA: Phase I ESA and Phase II ESA planning for industrial site under a VDEQ Brownfields Grant.

Phase I and Phase II Environmental Site Assessments (ESA): Conducted hundreds of Phase I ESAs since 1990 for municipal, industrial and commercial clients in the Pacific Northwest, Virginia, North Carolina, and Tennessee. Managed and conducted Phase II ESAs to assess soil and groundwater conditions. Work included coordination and assisting in the evaluation of corrective action measures. Work also included assessment for potential radon, lead-based paint, and wetlands.

Areas of Expertise

- Brownfields
- Phase I and Phase II
Environmental Site
Assessments
- Sampling and Analysis
Plans
- Data Quality Assurance
Planning



Senior Associate; Program Manager

18 years with the firm
22 years of experience

Education

- M.S./1994/Environmental Engineering/Arizona State University
- B.S./1991/Major Area-Chemical Engineering/Anna University, Chennai, India

Professional Registration

- Professional Engineer/2001/VA

Areas of Expertise

- Environmental Site Assessments
- Data evaluation
- Statistical analyses
- Remediation assessment and design

SRIKANTH NATHELLA, PE

Program Manager, Environmental

Mr. Natheella is Environmental Team Leader in the firm's Blacksburg office. His responsibilities include performing environmental site assessments/facility investigations, managing and executing environmental projects, data evaluations, statistical analyses, multimedia assessment, risk analyses, remediation assessment and design, design and maintenance of environmental data management systems, and management of industrial air and waste emissions and permit programs.

Brownfields Project, Town of Pulaski, VA: Environmental Engineer/Project Manager for services being provided for the Town under EPA's Brownfields Assessment Grant, including site selection and inventory, Phase I and Phase II Environmental Site Assessments (ESA) and project planning documents.

Brownfields Site Assessment, City of Staunton, VA: Environmental Project Manager for the completion of a Phase II ESA on the former Western State Hospital site located in the City.

Brownfields Property Redevelopment, City of Bristol, VA: Environmental Project Manager for the completion of Phase I and Phase II ESA under the City's Targeted Brownfields Assessment Program for a former industrial/warehouse building site.

New River Industries Phase I ESA, Fairlawn, VA: Complete Phase I ESA on New River Industries' Fairlawn facility (former AT&T facility).

Former Lead Acid Battery Recycling Facility, Coeburn, VA: Project Engineer. Site assessment, site cleanup design and preliminary cleanup, and additional cleanup design at a former lead acid battery recycling site with lead impacts to soils and groundwater.

AERC, Richmond, VA: Engineer of Record on RCRA Facility Investigation (RFI) work being performed in accordance with DEQ Consent Order; work includes RFI Work Plan preparation, RFI, remedial action and closure of alleged improper hazardous waste management at a former universal waste recycling facility.

Rehrig Corporation, Richmond, VA: Engineer of Record on RFI work being performed in accordance with EPA Consent Order; work includes RFI, closure planning, remedial action and closure of a former industrial facility.

Site Evaluation for Former Wood Treatment Facility, Radford University, Radford, VA: Environmental Engineer. Environmental Engineer. Evaluation of the current environmental quality of soils in a 1.18+/- acre portion of a former wood treatment facility. The evaluation included usability of the site for future purposes in lieu of a deed restriction that would prevent most future uses including any deep excavations on that portion of the subject site.