PHASE I ENVIRONMENTAL SITE ASSESSMENT

Rumley Oil
120 Old Virginia Avenue
Narrows, Virginia 24125

AEC Project No. 22-147V
August 16, 2022

Prepared for:

First Community Bank
One Community Place, PO Box 989
Bluefield, Virginia 24605

Prepared by:

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August 16, 2022

First Community Bank
One Community Place, PO Box 989
Bluefield, Virginia 24605

Subject: **Phase I Environmental Site Assessment**
Rumley Oil
120 Old Virginia Avenue
Narrows, Virginia 24125
AEC Project No. 22-147V

To Whom It May Concern:

Advantage Environmental Consultants, LLC (AEC) has performed a Phase I Environmental Site Assessment (ESA), in conformance with the scope and limitations of ASTM Practice E 1527-13, of the above-referenced parcel. This ESA included public environmental agency and historical record reviews, interviews, Site observations, and report preparation. This report includes AEC's findings, conclusions, recommendations, and supporting documentation.

We appreciate the opportunity to be of service to you. If you should have any questions regarding this report, please contact Mr. Andrew Owens, P.G. at (804) 454-0072.

Sincerely,
ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC

Roy Spencer
Staff Scientist

Andrew Owens, P.G.
Principal

Attachments

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1.0 Executive Summary

1.1 Summary and Findings

At the request of First Community Bank (FCB), Advantage Environmental Consultants, LLC (AEC) conducted a Phase I Environmental Site Assessment (ESA) of the property located at 120 Old Virginia Avenue in Narrows, Giles County, Virginia (hereinafter referred to as the "Site"). This report was prepared in conformance with the scope and limitations of ASTM Practice E 1527-13.

The Site consists of one parcel totaling approximately 0.74 acres, which is developed for use as a fuel distribution facility. The Site is currently developed with an approximately 1,700 square-foot single-story office building, an approximately 800 square-foot single-story storage building, five ASTs, a fuel rack, and two carports. The remaining areas of the Site consist of asphalt-paved parking and driving areas and landscaped area.

The area surrounding the Site consists of commercial and residential land uses, undeveloped land, and transportation easements. Properties adjoining the Site consist of Fleshman Street followed by undeveloped land to the north; Old Virginia Avenue followed by Virginia Avenue to the south; First National Bank (110 Old Virginia Avenue) to the east; and a single-family residence to the west.

According to historical records, the Site appears to have consisted of a fuel distribution facility with one building from 1956 until 1976, when a second building was added to the western side of the Site. The Site has remained relatively unchanged since then. The use of the Site as a fuel distribution facility for at least 66 years is an REC.

The Site is not identified in any of the ASTM-specified federal or state databases with the exception of the AST and LUST databases. According to the database, two 20,000-gallon diesel ASTs, one 20,000-gallon kerosene AST, and one 20,000-gallon heating oil AST were installed in November 1969 and are still in use. One 20,000-gallon gasoline AST was installed in November 1969 and is permanently out of use. One 10,000-gallon gasoline AST was installed in November 1969 and dismantled in June 1990. Based on the age of the tanks and the lack of subsurface data within the last 10 years, these ASTs are considered an REC

LUST case #20062020 was opened on September 2, 2005, and received regulatory closure on December 19, 2012.

Based on documents provided by the VDEQ, residual petroleum impact related to the former LUST case remains at the Site. This residual contamination is considered a controlled recognized environmental condition (CREC.)

There are several off-Site facilities mapped between one-eighth mile and one mile from the Site listed on the ASTM-specified regulatory databases. Based on a lack of reported releases, distance from the Site, orientation of the facilities relative to the Site, estimated hydraulic gradient with respect to the Site, and/or receipt of regulatory closure, these facilities are not considered likely to result in recognized environmental conditions at the Site.

Stained Pavement

AEC observed stained pavement near the fuel rack that appeared to be from spilled petroleum. This stained pavement is an REC.

No additional conditions of concern were noted during the Site inspection.

1.2 Conclusions and Recommendations

Advantage Environmental Consultants, LLC has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527-13, of the property located at 120 Old Virginia Avenue in Narrows, Giles County, Virginia. Any exceptions to or deletions from this practice are described in Section 2.4 of this report. This assessment has revealed has revealed no evidence of recognized environmental conditions in connection with the Site, except for the following:

- The use of the Site as a fuel distribution facility for approximately 66 years
- The presence of stained pavement near the fuel rack
- The presence of an unused, regulated 20,000-gallon kerosene tank, three unused, regulated 20,000-gallon diesel tanks, and one unused, regulated 20,000-gallon empty tank at the Site

In addition, this assessment revealed the following Controlled Recognized Environmental Condition on the Site:

- Residual contamination from LUST case #20062020

In addition, this assessment revealed the following de minimis condition on the Site:

- The presence of approximately 20 empty drums on the Site

Based on the result of this assessment, AEC recommends the following:

- A Phase II Subsurface Investigation be performed at the Site to characterize the soil and/or groundwater beneath the Site
- The removal of unused ASTs and drums from the Site

2.0 Introduction

2.1 Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) is to provide a professional opinion regarding the presence of recognized environmental conditions (RECs) and other potential environmental conditions in connection with the Site, as they existed on the date of the Site inspection, and to recommend whether further investigation is required. The ASTM International (ASTM) Standard Practice E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, defines good commercial and customary practice for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants pertinent to the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as well as petroleum products. As such, this ESA is intended to fulfill one of the threshold criteria for satisfying the landowner liability protections to CERCLA liability assuming compliance with other elements of the defense. In other words, this ESA represents one of the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35)(B) and 40 CFR Part 312.

The goal of the process is to identify RECs, which are defined by the Practice as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any 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. The term REC includes hazardous substances or petroleum products even under conditions in compliance with laws in solid, liquid, and/or vapor phase. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The term "environment" is defined in CERCLA 42 USC 6301(8) as "(A) the navigable waters, the water of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Magnuson-Stevens Fishery conservation and Management Act, and (B) any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States."

The term "release" means any spilling, leaking pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes (A) any release which results in exposure to persons solely within a workplace, with respect to a claim which such persons may assert against the employer of such persons, (B) emissions from the engine exhaust of a motor vehicle, rolling stock,

aircraft, vessel, or pipeline pumping station engine, (C) release of source, byproduct, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954 [42 USC 2011 et seq.], if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under Section 170 of such Act [42 USC 2210], or, for the purposes of 42 USC 9604 or any other response action, any release or source byproduct, or special nuclear material from any processing site designated under Section 7912(a)(1) or 7942(a) of this title, and (D) the normal application of fertilizer.

2.2 Scope of Services

This assessment was conducted under the supervision or responsible charge of an Environmental Professional, as defined in 40 CFR 312.10, in accordance with generally accepted Phase I industry standards using ASTM Standard Practice E 1527-13. The following services were provided for this assessment:

- An evaluation of standard environmental record sources contained within federal and state environmental databases, and other local environmental records, within specific search distances.

- An evaluation of past Site and nearby property uses through a review of reasonably ascertainable standard historical sources.

- A qualitative evaluation of the physical characteristics of the Site through a review of published topographic, geologic, and hydrogeologic maps; published groundwater data; and area observations to characterize surface water flow in the Site area.

- An evaluation of current Site and nearby property conditions including, but not limited to, a search for the following items, including: underground storage tanks (above or below ground); potential PCB-containing electrical equipment; hazardous materials and petroleum products generation; treatment, storage, or disposal of hazardous, regulated, or medical wastes.

- Interviews with the user of this report, present and past Site owners (if available), and key Site manager(s) and other occupants of the Site. In addition, interviews with local regulatory agencies (including fire departments, local health agencies, and local building departments), as determined necessary by AEC.

- The identification and discussion of any data gaps encountered during the performance of the ESA, including a discussion of all good faith efforts undertaken to obtain the information required by the standards and practices identified above and an evaluation of the impact of the data gaps on the ability to identify RECs.

- The preparation of a Phase I ESA report, which represents the findings from the studies of the items described above, and provides conclusions and

recommendations based on the information gathered above. Conclusions are based on the significance levels of the findings with subsequent recommendation provided.

2.3 Significant Assumptions

This Phase I ESA was conducted in accordance with ASTM guidelines and 40 CFR Part 312, for the performance of such assessment. No other warranties either express or implied are made by AEC. AEC's evaluations, analyses, and opinions should not be taken as representations regarding subsurface conditions or the actual value of the Site. Subsurface conditions may differ from the conditions implied by the surficial observations, and can only be reliably evaluated through intrusive techniques.

Documentation and data provided by the User, designated representatives, other interested third parties, or from the public domain, and referred to in the preparation of this assessment, are assumed to be complete and correct and have been used and referenced with the understanding that AEC assumes no responsibility or liability for their accuracy. AEC's conclusions are based upon such information and documentation and on our observations of Site conditions, as they existed on the date of the Site inspection. Because Site conditions may change significantly over a short period of time and additional data may become available, data reported and conclusions drawn in this report are limited to current conditions and may not be relied upon on a significantly later date.

2.4 Limitations and Exceptions

Reasonable efforts have been made during this assessment to uncover evidence of USTs, ASTs, and ancillary equipment associated with these tanks. "Reasonable efforts" are limited to information gained from visual observation or unobstructed areas, recorded database information held in public record, and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, construction or debris pile storage, or incorrect information from sources.

This investigation was not an environmental compliance audit. While some observations and discussion in this report may address conditions and/or operations that may be regulated, the regulatory compliance of those conditions and/or operations is outside the scope of this investigation.

Nothing in this report constitutes a legal opinion or legal advice. For information regarding specific individual or organizational liability, AEC recommends consultation with independent legal counsel.

In order for the prospective purchase to claim protection from CERCLA liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner, the

assessment of the subject property should be completed within 180 days of the date of the purchase or the date of the intended transaction.

According to 40 CFR Part 312, Standards and Practices for All Appropriate Inquiry: Final Rule, CERCLA liability rests with the owner or operator of a property and not with an environmental professional hired by the prospective landowner and who is not involved with the ownership or operation of the property.

2.5 Special Terms and Conditions

No special terms and conditions between AEC and the User of this report pertinent to the findings of this ESA or methodology used to complete this assessment are noted. In addition, AEC does not have a financial interest in the subject property.

2.6 User Reliance

This report is intended exclusively for the use and benefit of the Client identified on the cover of this report and users authorized by the Client. This report is not for the use or benefit of, nor may it be relied upon by, any other person or entity for any purpose without the advance written consent of AEC. AEC makes no representation to any third party except that it has used the degree of care and skill ordinarily exercised by a reasonably prudent environmental professional in the same community and in the same time-frame given the same or similar facts and circumstances. No other warranties are made to any third party, either express or implied.

3.0 Site Description

3.1 Location and Legal Description

The Site is located approximately 180 feet to the northeast of the intersection of Old Virginia Avenue and Fleshman Street. The Site consists of one parcel totaling approximately 0.74 acres. The Site parcel is currently addressed as 120 Old Virginia Avenue, Narrows, Virginia.

Tax assessment information for the Site parcel was obtained from Envirosite. The Site parcel is identified as parcel ID 24B-3-A-1. A Site Vicinity Map is included in Appendix A. A Site Plan is included in Appendix B.

3.2 Owner, Property Manager, and Occupant Information

The current owner of the Site parcel is Rumley Oil Inc. The Site is occupied by Rumley Oil. The Site is managed by Mr. Ronald Rumley. Mr. Rumley has been associated with the Site for approximately 14 years.

3.3 Current Use of the Site

The Site is currently developed for use as a fuel distribution facility.

3.4 Description of Improvements

The Site is currently developed with an approximately 1,700 square-foot single-story office building, an approximately 800 square-foot single-story storage building, five ASTs, a fuel rack, and two carports. The remaining areas of the Site consist of asphalt-paved parking and driving areas and landscaped area. The office building is heated and cooled using a window-mounted AC unit. Site photographs are included in Appendix C.

UTILITY	PROVIDER
Electric	Appalachian Power
Natural Gas	None
Propane Gas	None
Water	Town of Narrows
Sanitary Sewer	Town of Narrows

3.5 Current Uses of Adjoining Properties

The area surrounding the Site consists of commercial and residential land uses, undeveloped land, and transportation easements. AEC performed a visual inspection of

adjoining properties from adjacent sidewalks and public right-of-ways. The following table identifies the adjacent property uses:

DIRECTION	PROPERTY USE
North	Fleshman Street followed by undeveloped land
South	Old Virginia Avenue followed by Virginia Avenue
East	First National Bank (110 Old Virginia Avenue)
West	Single-family residence

None of the adjoining properties were identified as potential environmental concerns to the Site during the Site inspection or were identified on the reviewed environmental databases.

4.0 User Provided Information

4.1 Reason for Performing Phase I ESA

FCB (user of the report) retained AEC to conduct this Phase I ESA in connection with the proposed foreclosure of the Site.

4.2 Environmental Liens or Activity and Use Limitations

AEC was not made aware of any environmental-related liens of activity and use limitations (i.e., engineering or institutional controls) that are related to potential environmental issues at the Site.

4.3 Title Records

AEC was not provided with a title report for review during this assessment.

4.4 Specialized Knowledge, Commonly Known or Reasonably Ascertainable Information, and Obvious Indicators or Contamination

During the course of this assessment, AEC was not provided with any information by the user that would indicate that the user has any knowledge of any existing contamination or any other environmental concerns at the Site.

4.5 Valuation Reduction for Environmental Issues

AEC was not made aware of any environmental issues that have caused or may cause a valuation reduction of the Site.

5.0 Records Review

5.1 Regulatory Records

AEC reviewed federal and state environmental databases provided by Environsite of Shelton, Connecticut for information pertaining to documented and/or suspected releases of regulated hazardous substances and/or petroleum products within ASTM-specified search distances. A copy of the database report is included as Appendix D.

AEC also reviewed unmappable records listed in the environmental database report by cross-referencing addresses and record names. Unmappable ("orphan") records are records that cannot be plotted with confidence, but can be located by ZIP code or city name. In general, a record cannot be mapped because of inaccurate or missing location information in the record provided by the regulatory agency. Any unmappable records that AEC identified within the ASTM-specified search distances are included and discussed in the corresponding database sections.

AEC notes that according to the environmental database report, there are no federally recognized Indian tribes or tribal lands located within one mile of the Site.

Except as noted, AEC considers the information provided in the regulatory database report to be sufficient to assist in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or de minimis condition exists at the Site in connection with each database listing.

The following ASTM-specified federal databases were reviewed and interpreted by AEC to determine if a recognized environmental condition exists on the Site:

Federal Databases	Search Distance From Site
National Priorities List (NPL)	One mile
Delisted NPL	One-half mile
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	One-half mile
CERCLIS No Further Remedial Action Planned (NFRAP)	One-half mile
Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS) Hazardous Waste Facilities	One mile
RCRA non-CORRACTS Hazardous Waste Transport, Storage, and Disposal (TSD) Facilities	One-half mile
RCRA Hazardous Waste Generators (RCRA GEN)	Site and adjacent
Emergency Response Notification System (ERNS)	Site
Federal Institutional/Engineering Control Registries (IC/EC)	Site

The following ASTM-specified state/local databases were reviewed and interpreted by AEC to determine if a recognized environmental condition exists on the Site:

State/Local Databases	Search Distance From Site
State-equivalent NPL and CERCLIS (SHWS)	One mile
State Voluntary Cleanup Sites (VCP)	One-half mile
State Brownfield Sites	One-half mile
State Solid Waste and/or Landfill Sites (SWL)	One-half mile
State Leaking Underground Storage Tank (LUST)	One-half mile
State Registered Storage Tank (UST, AST)	Site and adjacent
State Institutional /Engineering Control (IC/EC)	Site

Descriptions/sources of each of the above-referenced regulatory databases and the dates these databases were last updated by the applicable regulatory agencies are included in the regulatory database report in Appendix D.

5.1.1 On-Site Records

The Site is not identified in any of the ASTM-specified federal or state databases with the exception of the AST and LUST databases. According to the database, two 20,000-gallon diesel ASTs, one 20,000-gallon kerosene AST, and one 20,000-gallon heating oil AST were installed in November 1969 and are still in use. One 20,000-gallon gasoline AST was installed in November 1969 and is permanently out of use. One 10,000-gallon gasoline AST was installed in November 1969 and dismantled in June 1990. Based on the age of the tanks and the lack of subsurface data within the last 10 years, these ASTs are considered an REC

LUST case #20062020 was opened on September 2, 2005, and received regulatory closure on December 19, 2012.

AEC submitted a Freedom of Information Act (FOIA) request to the Virginia Department of Environmental Quality (VDEQ) during the course of this assessment in order to obtain any additional information associated with the LUST case. Among other documents, VDEQ provided AEC with the following documents related to the LUST case:

- Simon and Associates Inc, Site Characterization Report, dated December 2, 2005
- Simon and Associates Inc, Corrective Action Plan Implementation Report, dated August 9, 2008
- Simon and Associates Inc, Corrective Action Plan Implementation Report, dated February 23, 2012
- VDEQ, Case Closure Letter, dated December 20, 2012

According to the documents reviewed, free phase hydrocarbons were identified in a monitoring well on the eastern portion of the Site during a Phase II Environmental Site Assessment in September 2005. A release was reported on September 1, 2005. On October 31, 2006, the VDEQ requested that a Corrective Action Plan (CAP) be submitted for the Site. As part of the CAP, a pump and treat system was installed in March of 2008. This system was replaced with a dual phase extraction system that was installed in January 2011. The dual phase extraction system operated for over three months while monitoring and sampling activities took place at the Site. On December 20, 2012, the VDEQ determined that the source of the release was eliminated and that free phase petroleum was sufficiently recovered, based on information provided by a CAP Implementation Report. VDEQ then closed the case.

The presence of residual contamination at the Site from a known LUST case is a Controlled Recognized Environmental Condition (CREC.)

5.1.2 Off-Site Records

No listings for adjacent and nearby properties were identified in the regulatory databases within one-eighth mile of the Site.

There are several off-Site facilities mapped between one-eighth mile and one mile from the Site listed on the ASTM-specified regulatory databases. Based on a lack of reported releases, distance from the Site, orientation of the facilities relative to the Site, estimated hydraulic gradient with respect to the Site, and/or receipt of regulatory closure, these facilities are not considered likely to result in recognized environmental conditions at the Site.

5.2 Physical Setting Records

The following physical setting sources were reviewed to provide information about the topographic, hydrologic, geologic, and/or hydrogeologic characteristics of the Site.

5.2.1 Topography and Hydrology

USGS Topographic Quadrangle

According to the Narrows, VA 7.5 Minute Series Topographic Quadrangles, dated 2019, the elevation of the Site is approximately 1560 feet above mean sea level. Regional surface drainage patterns appear to be to the south, towards the New River. The 2019 topographic map series utilizes aerial photography to illustrate current development. The Site appears to be developed with the current improvements. A copy of the topographic map is included in Appendix F.

Hydrology/Storm Water Management

Storm water drainage at the Site flows to the south towards Old Virginia Avenue. AEC did not observe evidence of vegetative stress or other evidence of environmental impairment in the vicinity of this drainage area at the time of the Site reconnaissance.

No evidence of surface impoundments, pits, lagoons, drywells, irrigation wells, or injection wells, was observed on the Site on the date of the inspection.

5.2.2 Soils

According to the United States Department of Agriculture - Natural Resource Conservation Service (NRCS) Web Soil Survey, soils in the vicinity of the Site consist of Chagrin variant loamy sand. These soils are characterized as being excessively drained with low water capacity. These soils are not classified as hydric soils.

5.2.3 Geology

According to the USGS Online Geologic Map of Virginia, the Site vicinity is underlain by the Knox Group, which consists of sedimentary rocks. According to a previous environmental report, the depth to bedrock at the Site is 15 to 20 feet below ground surface.

5.2.4 Hydrogeology

Shallow groundwater flow generally follows topography. Based on a review of the topographic map, shallow groundwater at the Site flows in a direction similar to surface drainage patterns to the south. According to information provided by a previous environmental report, depth to groundwater at the Site is between 35 and 40 feet below ground surface.

Precise groundwater depths and flow directions can be determined through the installation of at least three groundwater monitoring wells. Estimated groundwater levels and/or flow directions may vary based on factors such as topography, underground structures, seasonal fluctuations, soil and bedrock geology, production wells, and de-watering operations.

Based on the review of the soil, geologic and hydrogeologic information, AEC concludes that the potential of Site soils for contaminant or leachate migration is low.

5.3 Historical Use Records

AEC reviewed the following reasonably ascertainable standard historical sources, in order to determine the historical use of the Site and the adjoining properties.

5.3.1 Aerial Photographs

AEC reviewed aerial photographs dated 1956, 1960, 1963, 1976, 1982, 1990, 1991, 1999, 2001, 2003, 2007, 2012, 2016 and 2020 that were obtained from Envirosite. The results of the aerial photograph review are summarized in the following table:

Aerial Photograph Review					
Year	**Site**	**North**	**South**	**East**	**West**
1956 1960 1963	The Site appears to consist of a commercial building and ASTs	Fleshman Street followed by vacant land	Virginia Avenue followed by vacant land	Vacant land	Vacant land
1976 1982 1990 1991 1999	With the addition of a commercial building in the west, the Site appears to consist of the current improvements.	Similar to the previous photograph	Similar to the previous photograph	Single-family residence	Similar to the previous photograph
2001 2003 2007 2012	Similar to the previous photograph	Similar to the previous photograph	Similar to the previous photograph	Similar to the previous photograph	Single-family residence
2016 2020	Similar to the previous photograph	Similar to the previous photograph	Similar to the previous photograph	Commercial building	Similar to the previous photograph

The aerial photograph review revealed that the Site has been a fuel distribution facility since at least 1956. No other environmental concerns were revealed in the aerial photograph review. Copies of the aerial photographs are included in Appendix F.

5.3.2 Historical Use Summary

The past uses of the Site, as determined by a review of reasonably ascertainable historical information, are summarized in the following tables:

Historical Use of the Site	
Years	**Site Use**
1956 - 1976	Fuel distribution facility with one building
1976 - present	Fuel distribution facility with two buildings

According to historical records, the Site appears to have consisted a fuel distribution facility with one building from 1956 until 1976, when a second building was added to the western side of the Site. The Site has remained relatively unchanged since then. The use of the Site as a fuel distribution facility for at least 66 years is an REC.

5.3.3 Historical Data Failure

AEC encountered the following historical data failure as defined by ASTM E 1527-13 and 40 CFR Part 312:

- A data failure exists in AEC's attempt to establish all historical uses of the Site dating back to 1940 or the first developed use of the Site, whichever is earlier. The earliest year for which AEC could confirm the use of the Site was 1956 in a historic aerial photograph, at which time the Site appears to be a fuel distribution facility.

The data failure listed above is not considered to significantly affect the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum on, at, in, or to the Site.

6.0 Site Reconnaissance

The objective of the Site reconnaissance was to obtain information indicating the likelihood of any RECs in connection with the current Site use. This reconnaissance was conducted on Tuesday, August 9, 2022 by Mr. Roy Spencer, Staff Scientist at AEC. Mr. Spencer was escorted by Mr. Ronald Rumley, Site owner, during the inspection. The weather conditions at the time of the inspection were clear with temperatures in the 80-degree Fahrenheit range. Visibility was unimpaired.

6.1 Methodology and Limiting Conditions

The Site reconnaissance consisted of walking the Site, inspection of accessible interior and exterior portions of the Site building, and walking accessible roadways and pedestrian walkways surrounding the Site. Photographs of the Site were taken to document existing conditions and are included and described in Appendix C.

6.2 Site Observations

AEC examined exterior portions of the Site for evidence of the following potential environmental concerns:

Conditions	Not Observed or Noted	Observed or Noted	Significant Concern?
Hazardous Substances/Petroleum Products	X		--
ASTs		X	Yes
USTs	X		--
Suspected Vent Lines	X		--
Suspected Fill Ports	X		--
Patched/Missing Pavement	X		--
Chemical/Petroleum Odors	X		--
Pools of Liquid	X		--
Drums		X	No
Unidentified Substance Containers	X		--
Polychlorinated Biphenyls	X		--
Stains or Corrosion	X		--
Floor Drains and Sumps		X	Yes
Pits, Ponds or Lagoons	X		--
Stained Soil or Pavement		X	Yes
Stressed Vegetation	X		--
Solid Waste Disposal Areas (e.g.,	X		--

Conditions	Not Observed or Noted	Observed or Noted	Significant Concern?
burial mounds/ soil depressions)			
Wastewater Discharges/Disposal Systems	X		--
Drinking Water Systems/Water Wells	X		--
Other Wells	X		--
Septic Systems/Cesspools	X		--

Aboveground Storage Tanks (ASTs)

AEC observed five 20,000 ASTs on the northeast side of the Site. These ASTs are discussed in Section 5.1.1. AEC noted during the Site reconnaissance that although the database lists a 20,000-gallon heating oil AST at the Site, the contents of the AST were observed to be off-road diesel. According to Mr. Rumley, the tanks no longer contain any product. The presence of unused regulated ASTs at the Site is an REC.

Drums

AEC observed twenty empty drums at the Site. These drums appeared to be in good condition with no signs of spills or leakage, and are not considered an environmental concern to the Site. These drums are a de minimis condition.

Stained Pavement

AEC observed stained pavement near the fuel rack that appeared to be from spilled oil. This stained pavement is an REC.

Floor Drains and Sumps

AEC observed trench drains near the ASTs. These trench drains reportedly flow to a 3,000-gallon tank on the southwestern side of the Site that is intended to contain product in case of a spill. No evidence of spills or improper disposal was observed in the vicinity of the observed drains. Based on the observed conditions, these drains are not an environmental concern to the Site.

No additional conditions of concern were noted during the Site inspection.

7.0 Interview Information

7.1 Interview with Owner

AEC interviewed Mr. Ronald Rumley, Site owner, during the Site inspection. Mr. Rumley was unaware of any incidents or conditions of environmental concern at the Site. Relevant information from Mr. Rumley is presented throughout this report.

7.2 Interview with Site Manager

Mr. Rumley is also the Site manager.

7.3 Interviews with Occupants

There are no other occupants.

7.4 Interview with Local Government Official

As required by the agency, AEC submitted a written request (dated July 26, 2022) under the Virginia Freedom of Information Act (VFOIA) to town of Narrows, Virginia, in order to obtain environmentally significant information about the Site. AEC has not received a response from this agency. A copy of AEC's request is presented Appendix E.

7.5 Interview with Others

No interviews with other persons knowledgeable of the historical or current use of the Site were conducted during the preparation of this ESA.

8.0 Findings and Conclusions

Advantage Environmental Consultants, LLC has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527-13, of the property located at 120 Old Virginia Road in Narrows, Giles County, Virginia. Any exceptions to or deletions from this practice are described in Section 2.4 of this report. This assessment has revealed has revealed no evidence of recognized environmental conditions in connection with the Site, except for the following:

- The use of the Site as a fuel distribution facility for approximately 66 years
- The presence of stained pavement near the fuel rack
- The presence of an unused, regulated 20,000-gallon kerosene tank, three unused, regulated 20,000-gallon diesel tanks, and one unused, regulated 20,000-gallon empty tank at the Site

In addition, this assessment revealed the following Controlled Recognized Environmental Condition on the Site:

- Residual contamination from LUST case #20062020

In addition, this assessment revealed the following de minimis condition on the Site:

- The presence of approximately 20 empty drums on the Site

Based on the result of this assessment, AEC recommends the following:

- A Phase II Subsurface Investigation be performed at the Site to characterize the soil and/or groundwater beneath the Site
- The removal of unused ASTs and drums from the Site

9.0 Deviations and Data Gaps

9.1 Deviations

The following deviations from ASTM Standard Practice E 1527-13 occurred during the performance of this Phase I ESA:

- None

9.2 Data Gaps

AEC encountered the following data gaps as defined by ASTM E 1527-13 and 40 CFR 312:

- Historical data failures as identified in Section 5.3.4.
- AEC did not receive a response from the town of Narrows, Virginia

Degree of Significance: This data gap is considered unlikely to significantly affect the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum on, at, in, or to the Site.

10.0 Additional Services

No additional services beyond the scope of ASTM Standard Practice E 1527-13 were completed by AEC during the preparation of this assessment.

11.0 References

ASTM, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-13, Published November 2013;

Envirosite, Aerial photographs dated 1956, 1960, 1963, 1976, 1982, 1990, 1991, 1999, 2001, 2003, 2007, 2012, 2016 and 2020;

Envirosite, Database Report, dated July 25, 2022;

Simon and Associates Inc, Corrective Action Plan Implementation Report, dated August 9, 2008

Simon and Associates, Corrective Action Plan Implementation Report, dated February 23, 2012

Simon and Associates, Site Characterization Report, dated December 2, 2005

United States Department of Agriculture, Natural Resources Conservation Services, Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/;

United States Geological Survey 7.5’ Topographic Quadrangle of Narrows, Virginia, dated 2019

United States Geologic Survey Geologic Map of Virginia, dated 2005 obtained from the United States Geologic Survey.

Virginia Department of Environmental Quality, Case Closure Letter, dated December 20, 2012

12.0 Project Personnel and Report Certification

12.1 Project Personnel

Mr. Roy Spencer, Staff Scientist, conducted Site inspection and report preparation
Mr. Andrew Owens, P.G., Principal, reviewed report

Qualifications for the personnel listed above are included in Appendix G.

12.2 Certification

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

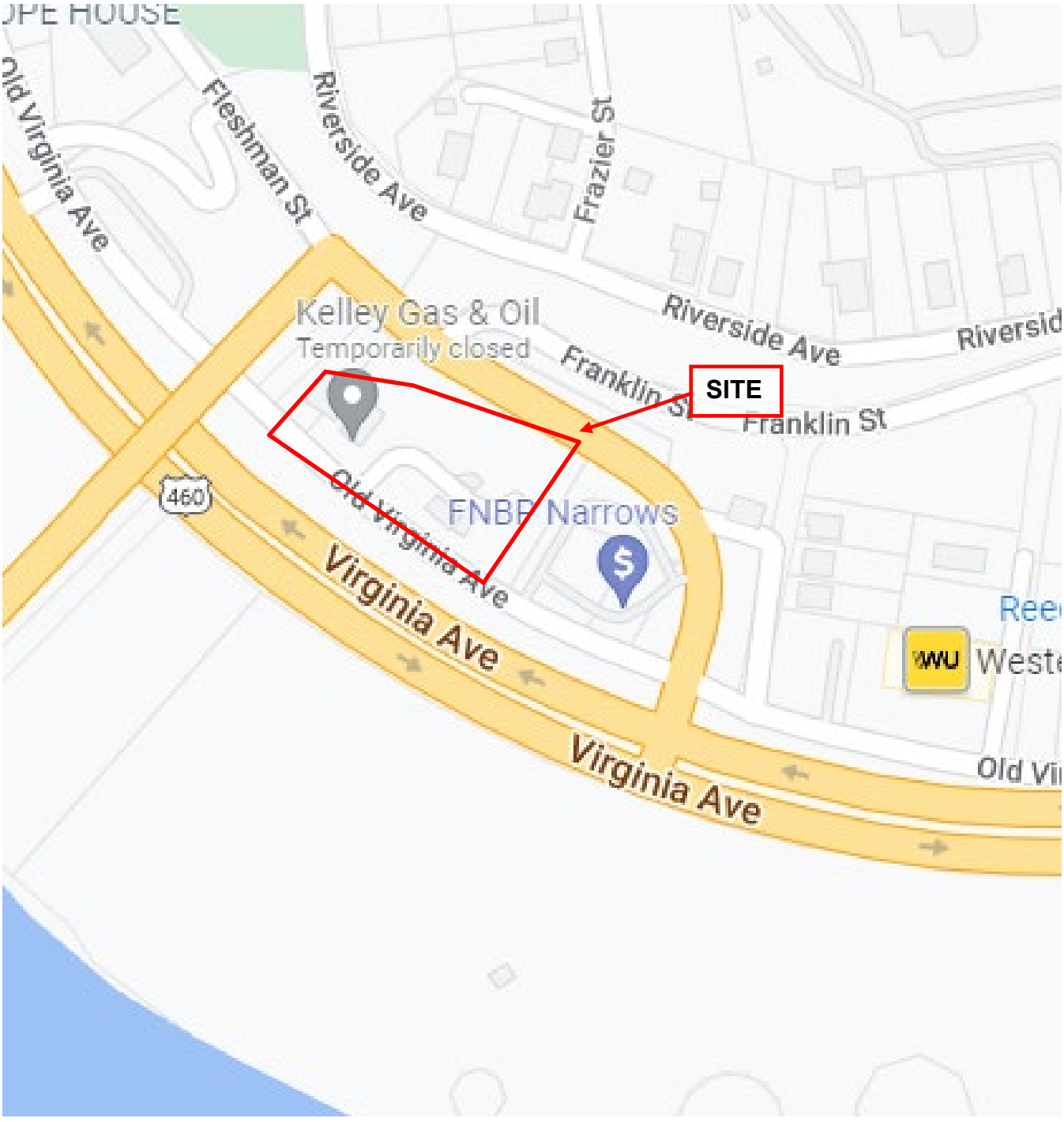
Andrew Owens, P.G.
Principal

APPENDICES

Appendix A - Site Vicinity Map
Appendix B - Site Plan
Appendix C - Site Photographs
Appendix D - Regulatory Records Documentation
Appendix E - Records of Communication
Appendix F - Historical Research Documentation/Maps
Appendix G - Qualifications of Personnel

APPENDIX A

SITE VICINITY MAP



= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Site Vicinity Map
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

APPENDIX B

SITE PLAN

= Approximate Site Boundary

Advantage Environmental Consultants, LLC

12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: (804) 454-0072 • Fax: (804) 454-0082

N

Site Plan
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Approximate Site Boundary

= underground holding tank

= AST

= stained pavement

Advantage Environmental Consultants, LLC

12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: (804) 454-0072 • Fax: (804) 454-0082

N

Enlarged Site Plan
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

APPENDIX C

SITE PHOTOGRAPHS

Photo #1: View of the western side of the Site. Photograph taken facing northwest.

Photo #2: View of the eastern side of the Site. Photograph taken facing southwest.

Photo #3: Typical view inside the office building.

Photo #4: Typical view inside the storage building. Empty drums can be seen.

Photo #5: View of the eastern adjacent property. Photograph taken facing south.

Photo #6: Western adjacent property. Photograph taken facing northeast.

Photo #7: Southern adjacent property. Photograph taken facing south.

Photo #8: View of the ASTs.

Photo #9: View of the trench drain.

Photo #10: View of the stained pavement.

APPENDIX D

REGULATORY RECORDS DOCUMENTATION

Government Records Report | 2022

Order Number: 75633

Report Generated: 07/25/2022

Project Name:

Project Number:

First Community Narrows VA
120 Old Virginia Ave
Narrows, VA 24124

with Envirosite Atlas

Contact us at:
(866) 211-2028
envirositecorp.com

Table of Contents

2022

Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-21 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:

ADDRESS:

First Community Narrows VA
120 Old Virginia Ave
Narrows, VA 24124

COORDINATES:

Latitude (North):	37.335826 - 37°20'9"
Longitude (West):	-80.806621 - -80°48'23.8"
Universal Transverse Mercator:	Zone 17N
UTM X (Meters):	517130.14
UTM Y (Meters):	4132145.23
State Plane Coordinates:	4502 - Virginia South (US Survey Feet)
X Coordinate (Feet):	10812385.731 E
Y Coordinate (Feet):	3654022.43 N

ELEVATION:

Elevation:	1557 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 37080-C7 Narrows, VA
Most Recent Revision: 2019

MAP ID	SITE NAME	ADDRESS	DATABASE(S)	RELATIVE ELEVATION	DIRECTION / DISTANCE
1	Rumley Oil Inc | Kelley Gas and Oil C...	120 Old Virginia Ave	AST - VA, LPT - VA		SP
2	NARROWS HIGH SCHOOL | NARROWS...	1 GREEN WAVE LN | 1 GREEN...	AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, ...	Higher	NE / 0.182 mi., 959 ft.
3	NORFOLK & WESTERN RAILWAY COMPANY	147 Depot St	EPA LUST, EPA UST, LPT - VA, UST - VA	Higher	SW / 0.250 mi., 1321 ft.
4	Narrows Exxon	2701 Virginia Ave	EPA LUST, EPA UST, LPT - VA, UST - VA	Higher	E / 0.268 mi., 1416 ft.
5	NARROWS GROUNDWATER	RT. 460	SEMS_8R_ARCHIVED SITES	Higher	SSW / 0.296 mi., 1565...
6	Rakes Rental Property	156 Woodland Ave	LPT - VA	Higher	NE / 0.307 mi., 1619 ft.
7	Southern Electric and Machine Compa...	2710 Virginia Ave	LPT - VA	Lower	ESE / 0.320 mi., 1692 ft.
8	Two Stars Food Mart | Liberty Food Ma...	2771 Virginia Ave	EPA LUST, EPA UST, LPT - VA, UST - VA	Higher	E / 0.427 mi., 2254 ft.
9	Trents Service Station | TRENT'S SELF...	139 S Monroe St | 139 MON...	EPA LUST, EPA UST, FRS, LPT - VA, UST - VA	Lower	SW / 0.475 mi., 2511 ft.

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was identified in the following records. For more information on this property, see Map Findings section on page 12.

SITE	DATABASE(S)	EPA ID
Rumley Oil Inc | Kelley Gas and Oil Company 120 Old Virginia Ave Narrows, VA	AST - VA, LPT - VA	N/R
AST - VA		
- ID: Facility ID 2007586	Status: N/A	Date: N/A
- ID: Tank ID 1	Status: CURR IN USE	Date: Date Closed N/R
- ID: Tank ID 2	Status: CURR IN USE	Date: Date Closed N/R
- ID: Tank ID 3	Status: CURR IN USE	Date: Date Closed N/R
- ID: Tank ID 6	Status: CURR IN USE	Date: Date Closed N/R
There are an additional 3 status records, see site details.		
LPT - VA		
- ID: Facility ID 200000180114	Status: N/A	Date: N/A
- ID: PC Number 20062020	Status: Closed	Date: 2012-12-19

SEARCH RESULTS:

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

EPA UST: Facilities listed in the EPA UST Finder database **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
2	*NARROWS HIGH SCHOOL | NARROWS HIGH*	*1 GREEN WAVE LN | 1 GREEN WAVE LANE*	*NE / 0.182 mi., 959 ft.*	*18*

UST - VA: Registered Underground Storage Tanks in Virginia **1 SITE FOUND WITHIN .25 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
2	*NARROWS HIGH SCHOOL | NARROWS HIGH*	*1 GREEN WAVE LN | 1 GREEN WAVE LANE*	*NE / 0.182 mi., 959 ft.*	*18*
	- ID: Facility ID 2023238	Status: N/A	Date: N/A	
	- ID: Tank ID R1	Status: REM FROM GRD	Date: Date Closed 1990-02-01	

FEDERAL CERCLIS LIST

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. **1 SITE FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
5	NARROWS GROUNDWATER	RT. 460	SSW / 0.296 mi., 1565 ft.	*37*
	- ID: 0304081	Status: Removal Only Site (No Site Assessment Work Needed)	Date: N/A	

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS

EPA LUST: Releases listed in the EPA UST Finder database **4 SITES FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
3	NORFOLK & WESTERN RAILWAY COMPANY	147 Depot St	SW / 0.250 mi., 1321 ft.	24
4	Narrows Exxon	2701 Virginia Ave	E / 0.268 mi., 1416 ft.	27
8	Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release	2771 Virginia Ave	E / 0.427 mi., 2254 ft.	39

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
9	Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center	139 S Monroe St | 139 MONROE STREET	SW / 0.475 mi., 2511 ft.	53

LPT - VA: Petroleum Storage tanks with known releases **7 SITES FOUND WITHIN .5 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
3	NORFOLK & WESTERN RAILWAY COMPANY	147 Depot St	SW / 0.250 mi., 1321 ft.	24
	- ID: Facility ID 200000089057	Status: N/A	Date: N/A	
	- ID: PC Number 19910724	Status: Closed	Date: 1994-08-16	
4	Narrows Exxon	2701 Virginia Ave	E / 0.268 mi., 1416 ft.	27
	- ID: Facility ID 200000210326	Status: N/A	Date: N/A	
	- ID: PC Number 20032103	Status: Closed	Date: 2003-06-18	
6	Rakes Rental Property	156 Woodland Ave	NE / 0.307 mi., 1619 ft.	38
	- ID: Facility ID 200000220834	Status: N/A	Date: N/A	
	- ID: PC Number 20052093	Status: Closed	Date: 2005-05-13	
8	Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release	2771 Virginia Ave	E / 0.427 mi., 2254 ft.	39
	- ID: Facility ID 200000095835	Status: N/A	Date: N/A	
	- ID: PC Number 20122087	Status: Closed	Date: 2012-02-22	
	- ID: PC Number 20122244	Status: Closed	Date: 2012-02-22	

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
7	Southern Electric and Machine Company Incorporated	2710 Virginia Ave	ESE / 0.320 mi., 1692 ft.	39
	- ID: Facility ID 200000221077	Status: N/A	Date: N/A	
	- ID: PC Number 20202229	Status: Closed	Date: 2020-05-28	
9	Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center	139 S Monroe St | 139 MONROE STREET	SW / 0.475 mi., 2511 ft.	53
	- ID: Facility ID 200000088770	Status: N/A	Date: N/A	
	- ID: PC Number 20022043	Status: Closed	Date: 2002-07-10	
	- ID: PC Number 20032094	Status: Closed	Date: 2004-08-23	

Following sites were unable to be mapped.

SITE NAME:	ADDRESS, CITY, ZIP:	DATABASE(S):
Not Reported	CELANESE ACTETATE PLANT 3520..., NAR...	ERNS
Not Reported	RT 460 3520 VIRGINIA A..., NARROWS 24124	ERNS

DATABASE(S) WITH NO MAPPED SITES:

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

AST PBS	ASTs at Bulk Petroleum Terminals
FEMA UST	FEMA Underground Storage Tanks
HIST INDIAN UST R6	Historical Underground Storage Tanks on Indian Land in EPA Region 6
HIST INDIAN UST R7	Historical Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9

FEDERAL CERCLIS LIST

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
EPA SAA	EPA Superfund Alternative Approach
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS

HIST INDIAN LUST R4	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4
HIST INDIAN LUST R8	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
HIST LPT - VA	Historical Leaking Petroleum Storage Tanks
PRO LUST - VA	Leaking Underground Storage Tanks
SWRO LUST - VA	Leaking Petroleum Storage Tanks
TRO LUST - VA	Leaking Underground Storage Tanks
VRO LUST - VA	Leaking Underground Storage Tanks

FEDERAL ERNS LIST

ERNS	Emergency Response Notification System

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C	Engineering Controls
FED I C	Institutional Controls

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_ Large Quantity Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_ Large Quantity Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

FEDERAL NPL SITE LIST

NPL	National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

ARCHIVED VRP - VA	Archived Voluntary Remediation Program
HIST VRP - VA	Historical Voluntary Remediation Program
VRP - VA	Voluntary Remediation Program

STATE AND TRIBAL BROWNFIELD SITES

BROWNFIELDS - VA	Brownfield

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

HIST I C - VA	Historical Institutional Controls
I C - VA	Institutional Controls

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - VA	Solid Waste Facilities and Landfills

RECORDS OF EMERGENCY RELEASE REPORTS

ARCHIVED SPILLS - VA	Archived Spills
SPILLS - VA	Spills

LOCAL BROWNFIELD LISTS

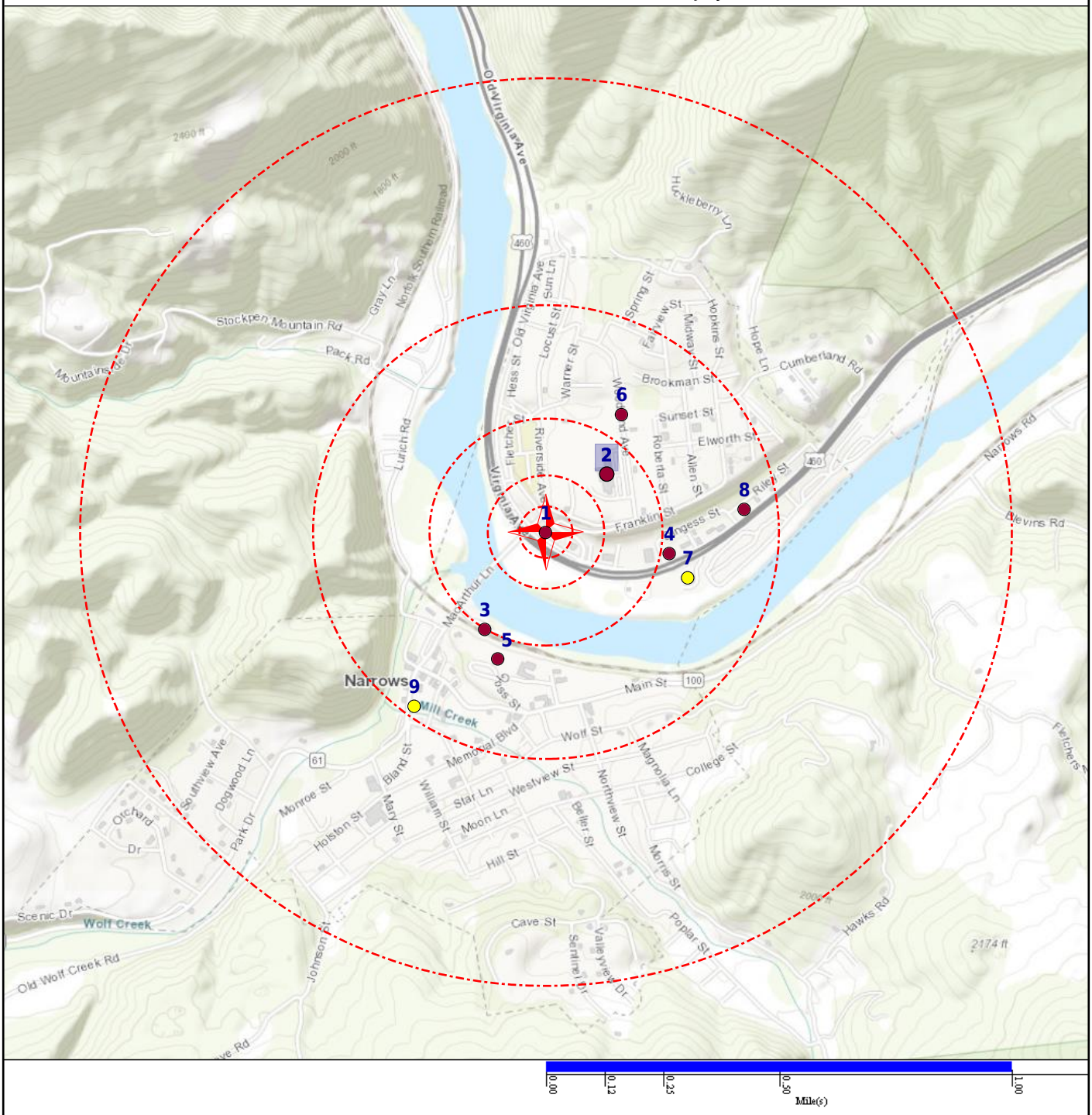
BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

OTHER ASCERTAINABLE RECORDS

ALT FUELING	Alternative Fueling Stations
COLLEGES	COLLEGES
COLLEGES 2	COLLEGES 2
DAYCARE	DAYCARE
HOSPITALS	HOSPITALS
NURSING HOMES	NURSING HOMES
PFAS NPL	PFAS NPL Sites
PFAS TRIS	PFAS TRIS Sites
PFAS UCMR3	PFAS UCMR Samples
PRISONS	PRISONS
SCHOOLS PRIVATE	SCHOOLS PRIVATE
SCHOOLS PUBLIC	SCHOOLS PUBLIC
VAPOR	EPA Vapor Intrusion

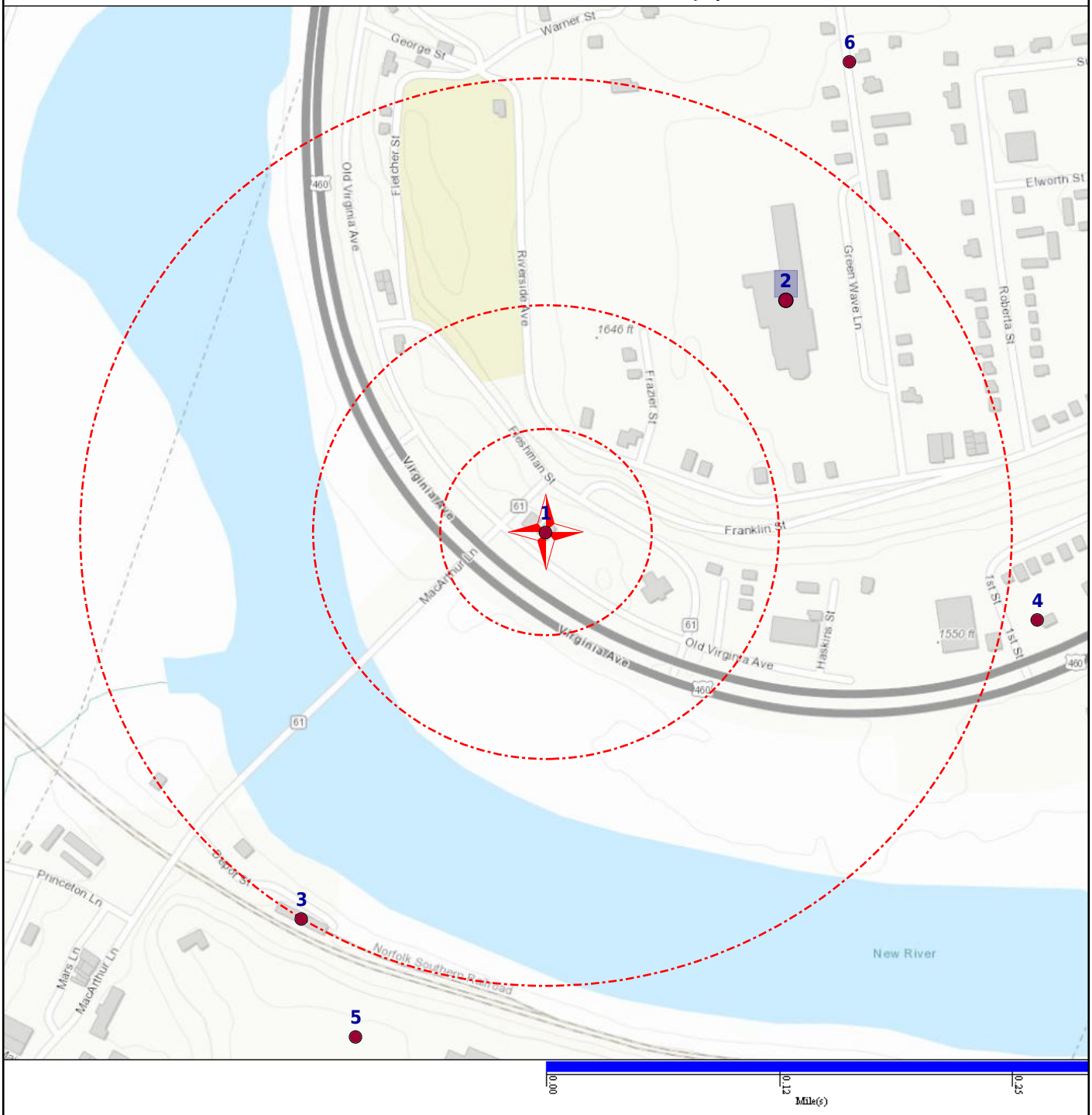
SUBJECT NAME: First Community Narrows VA
ADDRESS: 120 Old Virginia Ave, Narrows, VA, 24124
LAT/LONG: 37.335826 / -80.806621

PREPARED FOR: Advantage Environmental Consultants ,...
ORDER #: 75633
REPORT DATE: July 25, 2022



SUBJECT NAME: First Community Narrows VA
ADDRESS: 120 Old Virginia Ave, Narrows, VA, 24124
LAT/LONG: 37.335826 / -80.806621

PREPARED FOR: Advantage Environmental Consultants ,...
ORDER #: 75633
REPORT DATE: July 25, 2022



DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS								
AST PBS		0.250	0	0	--	--	--	0
EPA UST		0.250	0	1	--	--	--	1
FEMA UST		0.125	0	--	--	--	--	0
HIST INDIAN UST R6		0.125	0	--	--	--	--	0
HIST INDIAN UST R7		0.125	0	--	--	--	--	0
INDIAN UST R1		0.125	0	--	--	--	--	0
INDIAN UST R10		0.125	0	--	--	--	--	0
INDIAN UST R2		0.125	0	--	--	--	--	0
INDIAN UST R4		0.125	0	--	--	--	--	0
INDIAN UST R5		0.125	0	--	--	--	--	0
INDIAN UST R6		0.125	0	--	--	--	--	0
INDIAN UST R7		0.125	0	--	--	--	--	0
INDIAN UST R8		0.125	0	--	--	--	--	0
INDIAN UST R9		0.125	0	--	--	--	--	0
AST - VA	X	0.250	0	0	--	--	--	1
UST - VA		0.250	0	1	--	--	--	1
FEDERAL CERCLIS LIST								
CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
EPA SAA		0.500	0	0	0	--	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	1	--	--	1
FEDERAL RCRA CORRACTS FACILITIES LIST								
CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0
FEDERAL DELISTED NPL SITE LIST								
DELISTED NPL		0.500	0	0	0	--	--	0
FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS								
EPA LUST		0.500	0	1	3	--	--	4
HIST INDIAN LUST R4		0.500	0	0	0	--	--	0
HIST INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
HIST LPT - VA		0.500	0	0	0	--	--	0
LPT - VA	X	0.500	0	1	5	--	--	7
PRO LUST - VA		0.500	0	0	0	--	--	0
SWRO LUST - VA		0.500	0	0	0	--	--	0
TRO LUST - VA		0.500	0	0	0	--	--	0
VRO LUST - VA		0.500	0	0	0	--	--	0
FEDERAL ERNS LIST								
ERNS		SP	0	--	--	--	--	0
FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
FED E C		SP	0	--	--	--	--	0
FED I C		SP	0	--	--	--	--	0
FEDERAL RCRA GENERATORS LIST								
HIST RCRA_CESQG		0.125	0	--	--	--	--	0
HIST RCRA_LQG		0.125	0	--	--	--	--	0
HIST RCRA_SQG		0.125	0	--	--	--	--	0
RCRA_LQG		0.125	0	--	--	--	--	0
RCRA_SQG		0.125	0	--	--	--	--	0
RCRA_VSQG		0.125	0	--	--	--	--	0
FEDERAL NPL SITE LIST								
NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST								
RCRA_TSDF		0.500	0	0	0	--	--	0
STATE AND TRIBAL VOLUNTARY CLEANUP SITES								
ARCHIVED VRP - VA		0.500	0	0	0	--	--	0
HIST VRP - VA		0.500	0	0	0	--	--	0
VRP - VA		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
STATE AND TRIBAL BROWNFIELD SITES								
BROWNFIELDS - VA		0.500	0	0	0	--	--	0
STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
HIST I C - VA		0.500	0	0	0	--	--	0
I C - VA		0.500	0	0	0	--	--	0
STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
SWF/LF - VA		0.500	0	0	0	--	--	0
RECORDS OF EMERGENCY RELEASE REPORTS								
ARCHIVED SPILLS - VA		0.125	0	--	--	--	--	0
SPILLS - VA		0.125	0	--	--	--	--	0
LOCAL BROWNFIELD LISTS								
BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0
OTHER ASCERTAINABLE RECORDS								
ALT FUELING		0.125	0	--	--	--	--	0
COLLEGES		SP	0	--	--	--	--	0
COLLEGES 2		SP	0	--	--	--	--	0
DAYCARE		SP	0	--	--	--	--	0
HOSPITALS		SP	0	--	--	--	--	0
NURSING HOMES		SP	0	--	--	--	--	0
PFAS NPL		0.500	0	0	0	--	--	0
PFAS TRIS		0.500	0	0	0	--	--	0
PFAS UCMR3		0.500	0	0	0	--	--	0
PRISONS		SP	0	--	--	--	--	0
SCHOOLS PRIVATE		SP	0	--	--	--	--	0
SCHOOLS PUBLIC		SP	0	--	--	--	--	0
VAPOR		0.500	0	0	0	--	--	0

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA]

Envirosite ID: 6418719
EPA ID: N/R

AST - VA

Facility Name :	Rumley Oil Inc
Facility Address :	120 Old Virginia Ave, Narrows, VA 24124
County :	Giles County

Site Details

Facility ID :	2007586
Facility Type :	PETROLEUM DISTRIBUTOR
CEDS Facility ID :	200000180114
Region Code :	BRROR
Last Date in Agency List :	2022-06-20

Tank Information

Install Date :	1969-11-19
Date Closed :	N/R
Tank Number :	1
Tank Status :	CURR IN USE
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	20000
Federally Regulated Tank :	N
Contents :	DIESEL
Other Contents :	N/R

Tank Material Information

Tank Number :	1
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

AST - VA ***(cont.)***

Tank Type Other Notes : N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	N/R
Tank Number :	2
Tank Status :	CURR IN USE
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	20000
Federally Regulated Tank :	N
Contents :	KEROSENE
Other Contents :	N/R

Tank Material Information

Tank Number :	2
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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 Notes :	N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	N/R
Tank Number :	3
Tank Status :	CURR IN USE
Tank Owner ID :	43063
Tank Type :	AST

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

AST - VA ***(cont.)***

Capacity :	20000
Federally Regulated Tank :	N
Contents :	HEATING OIL
Other Contents :	N/R

Tank Material Information

Tank Number :	3
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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 Notes :	N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	N/R
Tank Number :	6
Tank Status :	CURR IN USE
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	20000
Federally Regulated Tank :	N
Contents :	DIESEL
Other Contents :	N/R

Tank Material Information

Tank Number :	6
Tank Owner ID :	43063
Tank Material Bare Steel :	Y

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

AST - VA ***(cont.)***

Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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 Notes :	N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	1990-06-01
Tank Number :	D4
Tank Status :	DISMANTLED
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	18000
Federally Regulated Tank :	N
Contents :	HEATING OIL
Other Contents :	N/R

Tank Material Information

Tank Number :	D4
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

AST - VA ***(cont.)***

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 Portable/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 Notes :	N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	1990-06-01
Tank Number :	D5
Tank Status :	DISMANTLED
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	10000
Federally Regulated Tank :	N
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	D5
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

AST - VA ***(cont.)***

Tank Type Other :	N
Tank Type Other Notes :	N/R

Tank Information

Install Date :	1969-11-19
Date Closed :	1990-06-01
Tank Number :	P7
Tank Status :	PERM OUT OF USE
Tank Owner ID :	43063
Tank Type :	AST
Capacity :	20000
Federally Regulated Tank :	N
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	P7
Tank Owner ID :	43063
Tank Material Bare Steel :	Y
Tank Material Insulated Steel :	N
Tank Material Concrete Coated/Concrete Vault:	N
Tank Materials Fiberglass :	N/R
Tank Materials Composite :	N/R
Tank Material Excavation Liner :	N/R
Tank Materials Epoxy Coated Interior:	N/R
Tank Materials Epoxy Coated Exterior:	N/R
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
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 Portable/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 Notes :	N/R

LPT - VA

Facility Name :	Kelley Gas and Oil Company
Facility Address :	120 Old Virginia Ave, Narrows, 24124-0414
County :	Giles County

Map Id: 1
Direction:
Distance:
Elevation:
Relative:

Site Name : Rumley Oil Inc | Kelley Gas and Oil Company
120 Old Virginia Ave
Narrows, VA

Database(s) : [AST - VA, LPT - VA] ***(cont.)***

Envirosite ID: 6418719
EPA ID: N/R

LPT - VA ***(cont.)***

Site Details

Release Reported :	2005-09-02
PC Number :	20062020
CEDS Facility ID :	200000180114
Case Status :	Closed
Case Closed Date :	2012-12-19
Region :	BRRO-R
Priority :	2
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	N
Regulated Petroleum UST (1) :	N
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	Y
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.335721
Longitude :	-80.806158
Last Date in Agency List :	2022-03-23

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA]

Envirosite ID: 43196154
EPA ID: N/R

AFS

Facility Name :	NARROWS HIGH SCHOOL
Facility Address :	1 GREEN WAVE LN, NARROWS, VA 241240000
County :	Giles

Facility Summary

Program System ID :	VA0000005107100006
Facility Registry ID :	110064282878
EPA Region :	EPA Region 3 - DE, DC, MD, PA, VA, WV
SIC :	8211 - ELEMENTARY AND SECONDARY SCHOOLS
NAICS :	611110 - Elementary and Secondary Schools

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA] ***(cont.)***

Envirosite ID: 43196154
EPA ID: N/R

AFS ***(cont.)***

Facility Type :	Privately Owned Facility
Air Pollutant Class :	Minor Emissions
Air Operating Status :	Operating
Current High Priority Violation (HPV):	No Violation Identified
Local Control Region Name :	N/R
Last Date in Agency List :	2022-05-05

Air Pollutant Details

Program System ID :	VA0000005107100006
Pollutant :	PARTICULATE MATTER < 10 UM
Substance Registry Services ID (SRS):	1647619
Chemical Abstract Service Number :	N/R
Air Pollutant Class :	Minor Emissions

Program System ID :	VA0000005107100006
Pollutant :	TOTAL PARTICULATE MATTER
Substance Registry Services ID (SRS):	1647643
Chemical Abstract Service Number :	N/R
Air Pollutant Class :	Minor Emissions

Air Violation History Details

HPV Day Zero Date :	N/R
HPV Resolved Date :	N/R
Program System ID :	VA0000005107100006
Activity ID :	N/R
Agency Type :	N/R
State Code :	N/R
Air Local Control Region Code (LCON):	N/R
Comp Determination UID :	N/R
Enforcement Response Policy :	N/R
Program :	N/R
Pollutant :	N/R
Earliest Determination Date of Federally Reportable Violation (FRV):	N/R

ECHO

Facility Name :	NARROWS HIGH SCHOOL
Facility Address :	1 GREEN WAVE LN, NARROWS, VA 24124
County :	GILES
Last Inspection Date :	2009-03-10
Registry ID :	110064282878
FIPS Code :	51071
EPA Region :	03
Inspection Count :	0
Last Inspection Days :	4842
Informal Count :	0
Last Informal Action Date :	N/R

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA] ***(cont.)***

Envirosite ID: 43196154
EPA ID: N/R

ECHO ***(cont.)***

Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____
Collection Method :	ADDRESS MATCHING-HOUSE NUMBER
Reference Point :	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters :	50
Derived Tribes :	N/R
Derived HUC :	05050002
Derived WBD :	050500020602
Derived STCTY FIPS :	51071
Derived Zip :	24124
Derived CD113 :	09
Derived CB2010 :	510719303006063
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	8211
Facility NAICS :	611110 - Elementary and Secondary Schools
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	2009-03-10
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R
Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA] ***(cont.)***

Envirosite ID: 43196154
EPA ID: N/R

ECHO ***(cont.)***

US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	N
TRI Flag :	N
GHG Flag :	N
Major Flag :	N/R
Active Flag :	Y
NAA Flag :	N
Latitude :	37.33696
Longitude :	-80.80355
Last Date in Agency List :	2022-07-02

EPA UST

Facility Name :	Narrows High School
Facility Address :	1 Green Wave Ln, Narrows, Virginia 24124
County :	Giles
Facility ID :	VA2023238
Facility Status :	Closed UST(s)
Open USTs :	0
Closed USTs :	1
Temporarily Out of Service USTs :	0
Date of Last Inspection :	N/R
EPA Region :	3
Tribe :	N/R
Facility ID 2 :	N/R
Latitude :	37.33772384
Longitude :	-80.80369544
Last Date in Agency List :	2022-05-04

Tank Details

Tank ID :	VA2023238_R1
Tank Status :	Closed
Installation Date :	1961-09-28
Removal Date :	1990-02-01
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

FRS

Facility Name :	NARROWS HIGH SCHOOL
Facility Address :	1 GREEN WAVE LN, NARROWS, VA 241240000
County :	GILES

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA] ***(cont.)***

Envirosite ID: 43196154
EPA ID: N/R

FRS ***(cont.)***

Site Details

Registry ID :	110064282878
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Source Description

Source Description :	AIR contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies. AFS contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.

FRS Environmental Interest

Source and System ID :	AIRS/AFS - 5107100006 ICIS - VA0000005107100006

SCHOOLS PUBLIC

Facility Name :	NARROWS HIGH
Facility Address :	1 GREEN WAVE LANE, NARROWS, VA 24124
County :	GILES
NCES ID :	510159000673
TYPE ID :	1
Status :	1
Population :	351
NAICS Code :	611110
NAICS Desc :	ELEMENTARY AND SECONDARY SCHOOLS
Level :	HIGH
Enrollment :	325
ST Grade :	08
End Grade :	12
FT Teacher :	26
Telephone :	(540) 726-2384
County Fips :	51071
Country :	USA
District ID :	5101590
Shelter ID :	NOT AVAILABLE
Souce Date :	2009-10-13
Val Date :	2010-07-08
Source :	Click here for hyperlink provided by the agency.
Latitude :	37.337737
Longitude :	-80.804424
Last Date in Agency List :	2022-07-20

UST - VA

Facility Name :	Narrows High School
Facility Address :	1 Green Wave Ln, Narrows, VA 24124
County :	Giles County

Map Id: 2
Direction: NE
Distance: 0.182 mi., 959 ft.
Elevation: 1670 ft.
Relative: Higher

Site Name : NARROWS HIGH SCHOOL | NARROWS HIGH
1 GREEN WAVE LN | 1 GREEN WAVE LANE
NARROWS | Narrows, VA 24124

Database(s) : [AFS, ECHO, EPA UST, FRS, SCHOOLS PUBLIC, UST - VA] ***(cont.)***

Envirosite ID: 43196154
EPA ID: N/R

UST - VA ***(cont.)***

Site Details

Facility ID :	2023238
Facility Type :	LOCAL
CEDS Facility ID :	200000082748
Region Code :	BRROR
Last Date in Agency List :	2022-06-23

Tank Information

Install Date :	1961-09-28
Date Closed :	1990-02-01
Tank Number :	R1
Tank Status :	REM FROM GRD
Tank Owner ID :	39525
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R1
Tank Owner ID :	39525
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Map Id: 3
Direction: SW
Distance: 0.250 mi., 1321 ft.
Elevation: 1561 ft.
Relative: Higher

Site Name : NORFOLK & WESTERN RAILWAY COMPANY
147 Depot St
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA]

Envirosite ID: 43015878
EPA ID: N/R

EPA LUST

Facility Name :	NORFOLK & WESTERN RAILWAY CO
Facility Address :	147 Depot St, Narrows, Virginia 24124
County :	Giles County
Facility ID :	N/R
LUST ID :	VA19910724
Reported Date :	1990-11-19
Status :	No Further Action
Substance :	N/R
Closed With Residual Contamination (Tribal Only):	N/R
NFA_Letter (Tribal Only) :	N/R
Tribe (Tribal Only) :	N/R
EPA Region :	3
Estimated Population within 1500ft :	120
Estimated Private Domestic Wells within 1500ft:	0
Within Source Water Protection Area (SPA):	Yes
SPA Public Water System and Facility ID:	VA1071455_18044
SPA Water Type :	GU
SPA Facility Type :	WL
SPA HUC12 :	050500020602
Within Groundwater Wellhead Protection Area (WHPA):	Yes
WHPA Public Water System and Facility ID:	VA1071095_10677
WHPA Water Type :	GW
WHPA Facility Type :	WL
WHPA HUC12 :	050500020602
Within Estimated 100-year Floodplain:	Yes
Latitude :	37.3328199999999
Longitude :	-80.8089599999999
Last Date in Agency List :	2022-04-28

EPA UST

Facility Name :	NORFOLK & WESTERN RAILWAY COMPANY
Facility Address :	147 Depot St, Narrows, Virginia 24124
County :	Giles
Facility ID :	VA2018005
Facility Status :	Closed UST(s)
Open USTs :	0
Closed USTs :	1
Temporarily Out of Service USTs :	0
Date of Last Inspection :	N/R
EPA Region :	3
Tribe :	N/R
Facility ID 2 :	N/R
Latitude :	37.33282224
Longitude :	-80.8089642
Last Date in Agency List :	2022-05-04

Map Id: 3
Direction: SW
Distance: 0.250 mi., 1321 ft.
Elevation: 1561 ft.
Relative: Higher

Site Name : NORFOLK & WESTERN RAILWAY COMPANY
147 Depot St
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 43015878
EPA ID: N/R

EPA UST ***(cont.)***

Tank Details

Tank ID :	VA2018005_R1
Tank Status :	Closed
Installation Date :	1951-05-07
Removal Date :	1990-10-01
Capacity :	550
Substances :	GASOLINE
Tank Wall Type :	Single

LPT - VA

Facility Name :	NORFOLK & WESTERN RAILWAY CO
Facility Address :	147 Depot St, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	1990-11-19
PC Number :	19910724
CEDS Facility ID :	200000089057
Case Status :	Closed
Case Closed Date :	1994-08-16
Region :	BRRO-R
Priority :	3
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	Y
Regulated Petroleum UST (1) :	N
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.333384
Longitude :	-80.809753
Last Date in Agency List :	2022-03-23

UST - VA

Facility Name :	NORFOLK & WESTERN RAILWAY COMPANY
Facility Address :	147 Depot St, Narrows, VA 24124
County :	Giles County

Map Id: 3
Direction: SW
Distance: 0.250 mi., 1321 ft.
Elevation: 1561 ft.
Relative: Higher

Site Name : NORFOLK & WESTERN RAILWAY COMPANY
147 Depot St
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 43015878
EPA ID: N/R

UST - VA ***(cont.)***

Site Details

Facility ID :	2018005
Facility Type :	RAILROAD
CEDS Facility ID :	200000089057
Region Code :	BRROR
Last Date in Agency List :	2022-06-23

Tank Information

Install Date :	1951-05-07
Date Closed :	1990-10-01
Tank Number :	R1
Tank Status :	REM FROM GRD
Tank Owner ID :	39553
Tank Type :	UST
Capacity :	550
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R1
Tank Owner ID :	39553
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA]

Envirosite ID: 42908993
EPA ID: N/R

EPA LUST

Facility Name :	Narrows Exxon
Facility Address :	2701 Virginia Ave, Narrows, Virginia
County :	Giles County
Facility ID :	N/R
LUST ID :	VA20032103
Reported Date :	2003-04-15
Status :	No Further Action
Substance :	N/R
Closed With Residual Contamination (Tribal Only):	N/R
NFA_Letter (Tribal Only) :	N/R
Tribe (Tribal Only) :	N/R
EPA Region :	3
Estimated Population within 1500ft :	235
Estimated Private Domestic Wells within 1500ft:	2
Within Source Water Protection Area (SPA):	Yes
SPA Public Water System and Facility ID:	VA1071455_18044
SPA Water Type :	GU
SPA Facility Type :	WL
SPA HUC12 :	050500020602
Within Groundwater Wellhead Protection Area (WHPA):	Yes
WHPA Public Water System and Facility ID:	VA1071095_10677
WHPA Water Type :	GW
WHPA Facility Type :	WL
WHPA HUC12 :	050500020602
Within Estimated 100-year Floodplain:	Yes
Latitude :	37.33491
Longitude :	-80.8016999999999
Last Date in Agency List :	2022-04-28

EPA UST

Facility Name :	Narrows Exxon
Facility Address :	2701 Virginia Ave, Narrows, Virginia 24124
County :	Giles
Facility ID :	VA2007587
Facility Status :	Closed UST(s)
Open USTs :	0
Closed USTs :	11
Temporarily Out of Service USTs :	0
Date of Last Inspection :	N/R
EPA Region :	3
Tribe :	N/R
Facility ID 2 :	N/R
Latitude :	37.33490951
Longitude :	-80.8016993
Last Date in Agency List :	2022-05-04

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

EPA UST ***(cont.)***

Tank Details

Tank ID :	VA2007587_R1
Tank Status :	Closed
Installation Date :	1988-08-01
Removal Date :	2010-06-29
Capacity :	8000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R1
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1989-08-01
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R2
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1989-08-01
Capacity :	3000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R2
Tank Status :	Closed
Installation Date :	1988-08-01
Removal Date :	2010-06-29
Capacity :	6000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R3
Tank Status :	Closed
Installation Date :	1988-08-01
Removal Date :	2010-06-29
Capacity :	6000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R3
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1988-08-01
Capacity :	3000
Substances :	GASOLINE
Tank Wall Type :	Single

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

EPA UST ***(cont.)***

Tank ID :	VA2007587_R4
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1988-08-01
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R5
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1988-08-01
Capacity :	3000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R6
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	N/R
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2007587_R7
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1997-07-18
Capacity :	550
Substances :	KEROSENE
Tank Wall Type :	Single

Tank ID :	VA2007587_r8
Tank Status :	Closed
Installation Date :	1971-04-26
Removal Date :	1997-07-18
Capacity :	550
Substances :	USED OIL
Tank Wall Type :	Single

LPT - VA

Facility Name :	Narrows Exxon
Facility Address :	2701 Virginia Ave, Narrows, 24124-2273
County :	Giles County

Site Details

Release Reported :	2003-04-15
PC Number :	20032103
CEDS Facility ID :	200000210326

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

LPT - VA ***(cont.)***

Case Status :	Closed
Case Closed Date :	2003-06-18
Region :	BRRO-R
Priority :	2
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	Y
Regulated Petroleum UST (1) :	Y
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.334951
Longitude :	-80.801874
Last Date in Agency List :	2022-03-23

UST - VA

Facility Name :	Narrows Exxon
Facility Address :	2701 Virginia Ave, Narrows, VA 24124
County :	Giles County

Site Details

Facility ID :	2007587
Facility Type :	GAS STATION
CEDS Facility ID :	200000210326
Region Code :	BRROR
Last Date in Agency List :	2022-06-23

Tank Information

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Install Date :	1988-08-01
Date Closed :	2010-06-29
Tank Number :	RA1
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	8000
Federally Regulated Tank :	Y
Contents :	GASOLINE

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Other Contents :	N/R

Tank Material Information

Tank Number :	RA1
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1988-08-01
Date Closed :	2010-06-29
Tank Number :	RA2
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	6000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	RA2
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1988-08-01
Date Closed :	2010-06-29
Tank Number :	RA3
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	6000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	RA3
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1997-07-18
Tank Number :	R8
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	550
Federally Regulated Tank :	Y
Contents :	USED OIL
Other Contents :	N/R

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Information

Tank Number :	R8
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1997-07-18
Tank Number :	R7
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	550
Federally Regulated Tank :	Y
Contents :	KEROSENE
Other Contents :	N/R

Tank Material Information

Tank Number :	R7
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Information

Install Date :	1971-04-26
Date Closed :	1988-08-01
Tank Number :	R5
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	3000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R5
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1988-08-01
Tank Number :	R1
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	4000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R1
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1988-08-01
Tank Number :	R3
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	3000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R3
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1988-08-01
Tank Number :	R2

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	3000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R2
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1971-04-26
Date Closed :	1988-08-01
Tank Number :	R4
Tank Status :	REM FROM GRD
Tank Owner ID :	30551
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R4
Tank Owner ID :	30551
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N

Map Id: 4
Direction: E
Distance: 0.268 mi., 1416 ft.
Elevation: 1565 ft.
Relative: Higher

Site Name : Narrows Exxon
2701 Virginia Ave
Narrows, VA

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42908993
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Map Id: 5
Direction: SSW
Distance: 0.296 mi., 1565 ft.
Elevation: 1623 ft.
Relative: Higher

Site Name : NARROWS GROUNDWATER
RT. 460
NARROWS, VA 24124

Database(s) : [SEMS_8R_ARCHIVED SITES]

Envirosite ID: 18230706
EPA ID: VAN000304081

SEMS_8R_ARCHIVED SITES

Facility Name :	NARROWS GROUNDWATER
Facility Address :	RT. 460, NARROWS, VA 24124
County :	GILES

Site Details

Site ID :	0304081
EPA ID :	VAN000304081
Region :	03
Congressional District :	09
Federal Facility :	N
Federal Facility Docket :	N
NPL Status :	Not on the NPL
Non NPL Status :	Removal Only Site (No Site Assessment Work Needed)
FIPS Code :	51071
Superfund Alternative Agreement :	N
Last Date in Agency List :	2022-05-28

Additional Information

Start Date :	2020-02-05
Finish Date :	2020-02-05
OU :	00
Action Code :	VS
Action Name :	ARCH SITE
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf In-Hse

Map Id: 5
Direction: SSW
Distance: 0.296 mi., 1565 ft.
Elevation: 1623 ft.
Relative: Higher

Site Name : NARROWS GROUNDWATER
RT. 460
NARROWS, VA 24124

Database(s) : [SEMS_8R_ARCHIVED SITES] ***(cont.)***

Envirosite ID: 18230706
EPA ID: VAN000304081

SEMS_8R_ARCHIVED SITES ***(cont.)***

Start Date :	2016-05-17
Finish Date :	2017-01-10
OU :	00
Action Code :	RS
Action Name :	RV ASSESS
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf

Map Id: 6
Direction: NE
Distance: 0.307 mi., 1619 ft.
Elevation: 1665 ft.
Relative: Higher

Site Name : Rakes Rental Property
156 Woodland Ave
Narrows, VA

Database(s) : [LPT - VA]

Envirosite ID: 6500808
EPA ID: N/R

LPT - VA

Facility Name :	Rakes Rental Property
Facility Address :	156 Woodland Ave, Narrows, 24124-1136
County :	Giles County

Site Details

Release Reported :	2005-04-21
PC Number :	20052093
CEDS Facility ID :	200000220834
Case Status :	Closed
Case Closed Date :	2005-05-13
Region :	BRRO-R
Priority :	3
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	N
Regulated Petroleum UST (1) :	N
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	Y
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	Category 1
Other Description :	N/R
Latitude :	37.33963
Longitude :	-80.803444
Last Date in Agency List :	2022-03-23

Map Id: 7
Direction: ESE
Distance: 0.320 mi., 1692 ft.
Elevation: 1554 ft.
Relative: Lower

Site Name : Southern Electric and Machine Company Incorporated
2710 Virginia Ave
Narrows, VA 24124

Database(s) : [LPT - VA]

Envirosite ID: 35443537
EPA ID: N/R

LPT - VA

Facility Name :	Southern Electric and Machine Company Incorporated
Facility Address :	2710 Virginia Ave, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	2020-05-18
PC Number :	20202229
CEDS Facility ID :	200000221077
Case Status :	Closed
Case Closed Date :	2020-05-28
Region :	BRRO-R
Priority :	3
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	N
Regulated Petroleum UST (1) :	N
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	Y
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	TPH-DRO and TPH ORO detected in a Phase II ESA
Latitude :	37.334207
Longitude :	-80.800993
Last Date in Agency List :	2022-03-23

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA]

Envirosite ID: 42918219
EPA ID: N/R

EPA LUST

Facility Name :	Liberty Food Mart - Dispenser Release
Facility Address :	2771 Virginia Ave, Narrows, Virginia 24124
County :	Giles County

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

EPA LUST ***(cont.)***

Facility ID :	N/R
LUST ID :	VA20122087
Reported Date :	2011-09-22
Status :	No Further Action
Substance :	N/R
Closed With Residual Contamination (Tribal Only):	N/R
NFA_Letter (Tribal Only) :	N/R
Tribe (Tribal Only) :	N/R
EPA Region :	3
Estimated Population within 1500ft :	262
Estimated Private Domestic Wells within 1500ft:	1
Within Source Water Protection Area (SPA):	Yes
SPA Public Water System and Facility ID:	VA1071455_18044
SPA Water Type :	GU
SPA Facility Type :	WL
SPA HUC12 :	050500020602
Within Groundwater Wellhead Protection Area (WHPA):	Yes
WHPA Public Water System and Facility ID:	VA1071095_10677
WHPA Water Type :	GW
WHPA Facility Type :	WL
WHPA HUC12 :	050500020602
Within Estimated 100-year Floodplain:	No
Latitude :	37.3364199999999
Longitude :	-80.79868
Last Date in Agency List :	2022-04-28
Facility Name :	Liberty Food Mart - Tank Release
Facility Address :	2771 Virginia Ave, Narrows, Virginia 24124
County :	Giles County
Facility ID :	N/R
LUST ID :	VA20122244
Reported Date :	2012-02-16
Status :	No Further Action
Substance :	N/R
Closed With Residual Contamination (Tribal Only):	N/R
NFA_Letter (Tribal Only) :	N/R
Tribe (Tribal Only) :	N/R
EPA Region :	3
Estimated Population within 1500ft :	262
Estimated Private Domestic Wells within 1500ft:	1
Within Source Water Protection Area (SPA):	Yes
SPA Public Water System and Facility ID:	VA1071455_18044
SPA Water Type :	GU

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

EPA LUST ***(cont.)***

SPA Facility Type :	WL
SPA HUC12 :	050500020602
Within Groundwater Wellhead Protection Area (WHPA):	Yes
WHPA Public Water System and Facility ID:	VA1071095_10677
WHPA Water Type :	GW
WHPA Facility Type :	WL
WHPA HUC12 :	050500020602
Within Estimated 100-year Floodplain:	No
Latitude :	37.3364199999999
Longitude :	-80.79868
Last Date in Agency List :	2022-04-28

EPA UST

Facility Name :	Two Stars Food Mart
Facility Address :	2771 Virginia Ave, Narrows, Virginia 24124
County :	Giles
Facility ID :	VA2014449
Facility Status :	Open UST(s)
Open USTs :	4
Closed USTs :	13
Temporarily Out of Service USTs :	0
Date of Last Inspection :	N/R
EPA Region :	3
Tribe :	N/R
Facility ID 2 :	N/R
Latitude :	37.33641635
Longitude :	-80.79867906
Last Date in Agency List :	2022-05-04

Tank Details

Tank ID :	VA2014449_1
Tank Status :	Open
Installation Date :	2011-10-01
Removal Date :	N/R
Capacity :	25000
Substances :	GASOLINE
Tank Wall Type :	Double
Tank ID :	VA2014449_2
Tank Status :	Open
Installation Date :	2011-10-01
Removal Date :	N/R
Capacity :	6000
Substances :	GASOLINE
Tank Wall Type :	Double

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

EPA UST ***(cont.)***

Tank ID :	VA2014449_3
Tank Status :	Open
Installation Date :	2011-10-01
Removal Date :	N/R
Capacity :	20000
Substances :	DIESEL
Tank Wall Type :	Double

Tank ID :	VA2014449_4
Tank Status :	Open
Installation Date :	2011-10-01
Removal Date :	N/R
Capacity :	1000
Substances :	KEROSENE
Tank Wall Type :	Double

Tank ID :	VA2014449_R1
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	1000
Substances :	KEROSENE
Tank Wall Type :	Single

Tank ID :	VA2014449_R2
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	1000
Substances :	KEROSENE
Tank Wall Type :	Single

Tank ID :	VA2014449_R3
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	1000
Substances :	USED OIL
Tank Wall Type :	Single

Tank ID :	VA2014449_R4
Tank Status :	Closed
Installation Date :	1976-04-28
Removal Date :	1987-06-01
Capacity :	3000
Substances :	GASOLINE
Tank Wall Type :	Single

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

EPA UST ***(cont.)***

Tank ID :	VA2014449_R5
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2014449_R6
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2014449_R7
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	8000
Substances :	DIESEL
Tank Wall Type :	Single

Tank ID :	VA2014449_R8
Tank Status :	Closed
Installation Date :	1966-04-28
Removal Date :	1987-06-01
Capacity :	1000
Substances :	DIESEL
Tank Wall Type :	Single

Tank ID :	VA2014449_aR1
Tank Status :	Closed
Installation Date :	1987-07-01
Removal Date :	2011-09-29
Capacity :	10000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2014449_aR2
Tank Status :	Closed
Installation Date :	1987-07-01
Removal Date :	2011-09-29
Capacity :	10000
Substances :	GASOLINE
Tank Wall Type :	Single

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

EPA UST ***(cont.)***

Tank ID :	VA2014449_aR3
Tank Status :	Closed
Installation Date :	1987-07-01
Removal Date :	2011-09-29
Capacity :	6000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2014449_aR4
Tank Status :	Closed
Installation Date :	1987-07-01
Removal Date :	2011-09-29
Capacity :	6000
Substances :	DIESEL
Tank Wall Type :	Single

Tank ID :	VA2014449_aR5
Tank Status :	Closed
Installation Date :	1987-07-01
Removal Date :	2011-09-29
Capacity :	4000
Substances :	DIESEL
Tank Wall Type :	Single

LPT - VA

Facility Name :	Liberty Food Mart - Dispenser Release
Facility Address :	2771 Virginia Ave, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	2011-09-22
PC Number :	20122087
CEDS Facility ID :	200000095835
Case Status :	Closed
Case Closed Date :	2012-02-22
Region :	BRRO-R
Priority :	3
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	Y
Regulated Petroleum UST (1) :	Y
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

LPT - VA ***(cont.)***

Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.33639
Longitude :	-80.798938
Last Date in Agency List :	2022-03-23

Facility Name :	Liberty Food Mart - Tank Release
Facility Address :	2771 Virginia Ave, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	2012-02-16
PC Number :	20122244
CEDS Facility ID :	200000095835
Case Status :	Closed
Case Closed Date :	2012-02-22
Region :	BRRO-R
Priority :	3
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	Y
Regulated Petroleum UST (1) :	Y
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.336625
Longitude :	-80.79898
Last Date in Agency List :	2022-03-23

UST - VA

Facility Name :	Two Stars Food Mart
Facility Address :	2771 Virginia Ave, Narrows, VA 24124
County :	Giles County

Site Details

Facility ID :	2014449
Facility Type :	GAS STATION

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

CEDS Facility ID :	200000095835
Region Code :	BRROR
Last Date in Agency List :	2022-06-23

Tank Information

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Install Date :	2011-10-01
Date Closed :	N/R
Tank Number :	1
Tank Status :	CURR IN USE
Tank Owner ID :	47170
Tank Type :	UST
Capacity :	25000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	1
Tank Owner ID :	47170
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	Y
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	Titan APT
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	2011-10-01
Date Closed :	N/R
Tank Number :	3
Tank Status :	CURR IN USE
Tank Owner ID :	47170
Tank Type :	UST

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Capacity :	20000
Federally Regulated Tank :	Y
Contents :	DIESEL
Other Contents :	N/R

Tank Material Information

Tank Number :	3
Tank Owner ID :	47170
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	Y
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	Titan APT
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	2011-10-01
Date Closed :	N/R
Tank Number :	2
Tank Status :	CURR IN USE
Tank Owner ID :	47170
Tank Type :	UST
Capacity :	6000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	2
Tank Owner ID :	47170
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	Y
Tank Material Lined Interior :	N

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	Titan APT
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	2011-10-01
Date Closed :	N/R
Tank Number :	4
Tank Status :	CURR IN USE
Tank Owner ID :	47170
Tank Type :	UST
Capacity :	1000
Federally Regulated Tank :	Y
Contents :	KEROSENE
Other Contents :	N/R

Tank Material Information

Tank Number :	4
Tank Owner ID :	47170
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	Y
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	Titan APT
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1987-07-01
Date Closed :	2011-09-29
Tank Number :	aR3
Tank Status :	REM FROM GRD
Tank Owner ID :	41740
Tank Type :	UST

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Capacity :	6000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	aR3
Tank Owner ID :	41740
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	Y
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1987-07-01
Date Closed :	2011-09-29
Tank Number :	aR2
Tank Status :	REM FROM GRD
Tank Owner ID :	41740
Tank Type :	UST
Capacity :	10000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	aR2
Tank Owner ID :	41740
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	Y
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1987-07-01
Date Closed :	2011-09-29
Tank Number :	aR5
Tank Status :	REM FROM GRD
Tank Owner ID :	41740
Tank Type :	UST
Capacity :	4000
Federally Regulated Tank :	Y
Contents :	DIESEL
Other Contents :	N/R

Tank Material Information

Tank Number :	aR5
Tank Owner ID :	41740
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	Y
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1987-07-01
Date Closed :	2011-09-29
Tank Number :	aR4
Tank Status :	REM FROM GRD
Tank Owner ID :	41740
Tank Type :	UST

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Capacity :	6000
Federally Regulated Tank :	Y
Contents :	DIESEL
Other Contents :	N/R

Tank Material Information

Tank Number :	aR4
Tank Owner ID :	41740
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	Y
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1987-07-01
Date Closed :	2011-09-29
Tank Number :	aR1
Tank Status :	REM FROM GRD
Tank Owner ID :	41740
Tank Type :	UST
Capacity :	10000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	aR1
Tank Owner ID :	41740
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	Y
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N

Map Id: 8
Direction: E
Distance: 0.427 mi., 2254 ft.
Elevation: 1568 ft.
Relative: Higher

Site Name : Two Stars Food Mart | Liberty Food Mart - Dispenser Release | Liberty Food Mart - Tank Release
2771 Virginia Ave
Narrows, VA 24124

Database(s) : [EPA LUST, EPA UST, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42918219
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1976-04-28
Date Closed :	1987-06-01
Tank Number :	R4
Tank Status :	REM FROM GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	3000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R4
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA]

Envirosite ID: 42924335
EPA ID: N/R

EPA LUST

Facility Name :	Trents Service Station
Facility Address :	139 S Monroe St, Narrows, Virginia 24124
County :	Giles County
Facility ID :	N/R
LUST ID :	VA20032094
Reported Date :	2003-03-25
Status :	No Further Action
Substance :	N/R
Closed With Residual Contamination (Tribal Only):	N/R
NFA_Letter (Tribal Only) :	N/R
Tribe (Tribal Only) :	N/R
EPA Region :	3
Estimated Population within 1500ft :	265
Estimated Private Domestic Wells within 1500ft:	1
Within Source Water Protection Area (SPA):	No
SPA Public Water System and Facility ID:	N/R
SPA Water Type :	N/R
SPA Facility Type :	N/R
SPA HUC12 :	N/R
Within Groundwater Wellhead Protection Area (WHPA):	No
WHPA Public Water System and Facility ID:	N/R
WHPA Water Type :	N/R
WHPA Facility Type :	N/R
WHPA HUC12 :	N/R
Within Estimated 100-year Floodplain:	Yes
Latitude :	37.3302699999999
Longitude :	-80.8119599999999
Last Date in Agency List :	2022-04-28

EPA UST

Facility Name :	Trents Service Station
Facility Address :	139 S Monroe St, Narrows, Virginia 24124
County :	Giles
Facility ID :	VA2011284
Facility Status :	Open UST(s)
Open USTs :	0
Closed USTs :	8
Temporarily Out of Service USTs :	4
Date of Last Inspection :	N/R
EPA Region :	3
Tribe :	N/R
Facility ID 2 :	N/R
Latitude :	37.330269
Longitude :	-80.81195701
Last Date in Agency List :	2022-05-04

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

EPA UST ***(cont.)***

Tank Details

Tank ID :	VA2011284_1
Tank Status :	Temporarily out of Service
Installation Date :	1990-08-03
Removal Date :	N/R
Capacity :	8000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_2
Tank Status :	Temporarily out of Service
Installation Date :	1990-08-03
Removal Date :	N/R
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_3
Tank Status :	Temporarily out of Service
Installation Date :	1990-08-03
Removal Date :	N/R
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_4
Tank Status :	Temporarily out of Service
Installation Date :	1990-08-03
Removal Date :	N/R
Capacity :	2000
Substances :	KEROSENE
Tank Wall Type :	Single

Tank ID :	VA2011284_G5
Tank Status :	Closed
Installation Date :	1961-05-01
Removal Date :	N/R
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_G6
Tank Status :	Closed
Installation Date :	1961-05-01
Removal Date :	N/R
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

EPA UST ***(cont.)***

Tank ID :	VA2011284_G7
Tank Status :	Closed
Installation Date :	1961-05-01
Removal Date :	N/R
Capacity :	2000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_G8
Tank Status :	Closed
Installation Date :	1961-05-01
Removal Date :	N/R
Capacity :	2000
Substances :	DIESEL
Tank Wall Type :	Single

Tank ID :	VA2011284_R1
Tank Status :	Closed
Installation Date :	1977-05-01
Removal Date :	1990-07-01
Capacity :	8000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_R2
Tank Status :	Closed
Installation Date :	1985-05-01
Removal Date :	1990-07-01
Capacity :	6000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_R3
Tank Status :	Closed
Installation Date :	1981-05-01
Removal Date :	1990-07-01
Capacity :	4000
Substances :	GASOLINE
Tank Wall Type :	Single

Tank ID :	VA2011284_R4
Tank Status :	Closed
Installation Date :	1983-05-02
Removal Date :	1990-07-01
Capacity :	2000
Substances :	KEROSENE
Tank Wall Type :	Single

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

FRS

Facility Name :	TRENT'S SELF SERVICE STATION
Facility Address :	139 MONROE STREET, NARROWS, VA 24124
County :	GILES

Site Details

Registry ID :	110070595716
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Source Description

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

FRS Environmental Interest

Source and System ID :	RCRAINFO - VAVSQG021907

LPT - VA

Facility Name :	Davis Service Center
Facility Address :	139 S Monroe St, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	2001-10-12
PC Number :	20022043
CEDS Facility ID :	200000088770
Case Status :	Closed
Case Closed Date :	2002-07-10
Region :	BRRO-R
Priority :	2
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	N
Regulated Petroleum UST (1) :	N
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

LPT - VA ***(cont.)***

Exempt 2 Heating Oil UST (2) :	Y
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	Category 3
Other Description :	N/R
Latitude :	37.330316
Longitude :	-80.811661
Last Date in Agency List :	2022-03-23

Facility Name :	Trents Service Station
Facility Address :	139 S Monroe St, Narrows, 24124
County :	Giles County

Site Details

Release Reported :	2003-03-25
PC Number :	20032094
CEDS Facility ID :	200000088770
Case Status :	Closed
Case Closed Date :	2004-08-23
Region :	BRRO-R
Priority :	1
Suspect Confirm Indicator :	Confirmed
Program :	RP Lead
Federally Regulated UST (Y/N) :	Y
Regulated Petroleum UST (1) :	Y
Excluded UST (1) :	N
Deferred UST (1) :	N
Partially Deferred UST (1) :	N
Exempt 1 UST (2) :	N
Exempt 2 Heating Oil UST (2) :	N
Small Heating Oil AST (2) :	N
Regulated AST (3) :	N
Unregulated AST (3) :	N
Other (Y/N) :	N
Unknown (Y/N) :	N
Heating Oil Category :	N/R
Other Description :	N/R
Latitude :	37.330859
Longitude :	-80.811767
Last Date in Agency List :	2022-03-23

UST - VA

Facility Name :	Trents Service Station
Facility Address :	139 S Monroe St, Narrows, VA 24124
County :	Giles County

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Site Details

Facility ID :	2011284
Facility Type :	GAS STATION
CEDS Facility ID :	200000088770
Region Code :	BRROR
Last Date in Agency List :	2022-06-23

Tank Information

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Install Date :	1990-08-03
Date Closed :	N/R
Tank Number :	4
Tank Status :	TEMP OUT OF USE
Tank Owner ID :	39307
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	KEROSENE
Other Contents :	N/R

Tank Material Information

Tank Number :	4
Tank Owner ID :	39307
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1990-08-03
Date Closed :	N/R
Tank Number :	3
Tank Status :	TEMP OUT OF USE

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Tank Owner ID :	39307
Tank Type :	UST
Capacity :	4000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	3
Tank Owner ID :	39307
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1990-08-03
Date Closed :	N/R
Tank Number :	2
Tank Status :	TEMP OUT OF USE
Tank Owner ID :	39307
Tank Type :	UST
Capacity :	4000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	2
Tank Owner ID :	39307
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1990-08-03
Date Closed :	N/R
Tank Number :	1
Tank Status :	TEMP OUT OF USE
Tank Owner ID :	39307
Tank Type :	UST
Capacity :	8000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	1
Tank Owner ID :	39307
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	Y
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1985-05-01
Date Closed :	1990-07-01
Tank Number :	R2
Tank Status :	REM FROM GRD
Tank Owner ID :	37351
Tank Type :	UST

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Capacity :	6000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R2
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	N
Tank Material CCP/STI-P3 :	Y
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1983-05-02
Date Closed :	1990-07-01
Tank Number :	R4
Tank Status :	REM FROM GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	KEROSENE
Other Contents :	N/R

Tank Material Information

Tank Number :	R4
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1981-05-01
Date Closed :	1990-07-01
Tank Number :	R3
Tank Status :	REM FROM GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	4000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R3
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1977-05-01
Date Closed :	1990-07-01
Tank Number :	R1
Tank Status :	REM FROM GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	8000
Federally Regulated Tank :	Y

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	R1
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1961-05-01
Date Closed :	1985-04-01
Tank Number :	G5
Tank Status :	CLS IN GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	G5
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N

Map Id: 9
Direction: SW
Distance: 0.475 mi., 2511 ft.
Elevation: 1547 ft.
Relative: Lower

Site Name : Trents Service Station | TRENT'S SELF SERVICE STATION | Davis Service Center 139 S Monroe St | 139 MONROE STREET Narrows | NARROWS, VA 24124

Database(s) : [EPA LUST, EPA UST, FRS, LPT - VA, UST - VA] ***(cont.)***

Envirosite ID: 42924335
EPA ID: N/R

UST - VA ***(cont.)***

Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

Tank Information

Install Date :	1961-05-01
Date Closed :	1985-04-01
Tank Number :	G6
Tank Status :	CLS IN GRD
Tank Owner ID :	37351
Tank Type :	UST
Capacity :	2000
Federally Regulated Tank :	Y
Contents :	GASOLINE
Other Contents :	N/R

Tank Material Information

Tank Number :	G6
Tank Owner ID :	37351
Tank Material Asphalt/Bare Steel :	Y
Tank Material CCP/STI-P3 :	N
Tank Material Composite :	N
Tank Material Fiberglass :	N
Tank Material Concrete :	N
Tank Material Impressed Current :	N
Tank Material Double Walled :	N
Tank Material Lined Interior :	N
Tank Material Excavation Liner :	N
Tank Material Polyethylene Tank Jacket:	N
Tank Material Secondary Containment :	N
Tank Material Repaired :	N
Tank Material Unknown :	N
Tank Material Other :	N
Tank Material Other Notes :	N/R
Tank Materials Epoxy Steel :	N/R

ENVIROSITE ID	NAME	ADDRESS	CITY	ZIP	DATABASE(S)
18253244	N/R	CELANESE ACTETATE PLANT 3...	NARROWS		ERNS
18127477	N/R	RT 460, 3520 VIRGINIA AVE	NARROWS	24124	ERNS

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 05/17/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/11/2022
Agency: Department of Homeland Security
Agency Contact: 202-853-5361
Most Recent Contact: 05/17/2022

EPA UST: Facilities listed in the EPA UST Finder database

Agency Version Date: 04/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/25/2022
Agency: EPA
Agency Contact: (202) 566-1667
Most Recent Contact: 04/28/2022

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 10/08/2021
Agency Update Frequency: Varies
Planned Next Contact: 09/23/2022
Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 06/27/2022

HIST INDIAN UST R6: Historical Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 12/03/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/22/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 05/26/2022

HIST INDIAN UST R7: Historical Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 08/10/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 04/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/10/2022
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 07/14/2022

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 05/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 07/15/2022

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 05/12/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 05/27/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/23/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 05/27/2022

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 07/11/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/06/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 07/11/2022

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 07/11/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/06/2022
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 07/11/2022

AST - VA: Registered Aboveground Storage Tanks in Virginia

Agency Version Date: 06/20/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/15/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 06/20/2022

UST - VA: Registered Underground Storage Tanks in Virginia

Agency Version Date: 06/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/16/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 06/21/2022

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 07/22/2022

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 07/22/2022

EPA SAA: Listing of Sites with Superfund Alternative Approach Agreements.

Agency Version Date: 11/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 10/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 07/21/2022

FEDERAL CERCLIS LIST (cont.)

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 07/22/2022

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 07/22/2022

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 06/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 06/22/2022

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 05/23/2022

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 07/22/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS

EPA LUST: Releases listed in the EPA UST Finder database

Agency Version Date: 04/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/25/2022
Agency: EPA
Agency Contact: (202) 566-1667
Most Recent Contact: 04/28/2022

HIST INDIAN LUST R4: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 08/23/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

HIST INDIAN LUST R8: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 08/16/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 05/04/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 04/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/10/2022
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 07/14/2022

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 05/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 07/15/2022

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 05/12/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 05/02/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 05/02/2022

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 05/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 05/03/2022

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 07/11/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/06/2022
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 07/11/2022

HIST LPT - VA: List of petroleum storage tanks with known releases that is no longer in current agency list.

Agency Version Date: 01/25/2019
Agency Update Frequency: Annually
Planned Next Contact: 10/03/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/07/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

LPT - VA: Petroleum Storage tanks with known releases

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/15/2022

PRO LUST - VA: Piedmont Regional Office: Leaking Underground Storage Tanks

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/15/2022

SWRO LUST - VA: South Western Region : Leaking Petroleum Storage Tanks

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/15/2022

TRO LUST - VA: Tidewater Regional Office: Leaking Underground Storage Tanks

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/15/2022

VRO LUST - VA: Valley Regional Office: Leaking Underground Storage Tanks

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/11/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/15/2022

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 07/15/2022
Agency Update Frequency: Annually
Planned Next Contact: 10/13/2022
Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 07/15/2022

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 05/20/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/16/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 05/20/2022

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 05/20/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/16/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 05/20/2022

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

FEDERAL RCRA GENERATORS LIST (cont.)

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 06/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 06/22/2022

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 06/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 06/22/2022

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 06/22/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 06/22/2022

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 07/22/2022

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 10/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 07/22/2022

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

RCRA_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 06/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/19/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 06/22/2022

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

ARCHIVED VRP - VA: Archived Voluntary Remediation Program Sites

Agency Version Date: 05/14/2021
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 10/18/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4190
Most Recent Contact: 07/22/2022

HIST VRP - VA: Historical VRP Completed and Planned sites within Virginia that are no longer in current agency list.

Agency Version Date: 06/05/2019
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 09/21/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 06/27/2022

VRP - VA: VRP Completed and Planned sites within Virginia

Agency Version Date: 07/04/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/29/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/01/2022

STATE AND TRIBAL BROWNFIELD SITES

BROWNFIELDS - VA: List of brownfield sites

Agency Version Date: 07/04/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/29/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4179
Most Recent Contact: 07/01/2022

STATE INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

HIST I C - VA: Historical sites with institutional controls that are no longer in current agency list.

Agency Version Date: 06/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 09/21/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 06/27/2022

I C - VA: Sites with institutional controls

Agency Version Date: 07/04/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/29/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 07/01/2022

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

SWF/LF - VA: State Landfill locations

Agency Version Date: 06/20/2022
Agency Update Frequency: Annually
Planned Next Contact: 09/15/2022
Agency: Department of Environmental Quality
Agency Contact: (804) 698-4000
Most Recent Contact: 06/20/2022

RECORDS OF EMERGENCY RELEASE REPORTS

ARCHIVED SPILLS - VA: The VA Department of Environment Qualitys Pollution Response Program responses to air, water, and waste pollution incidents prior to October 2009.

Agency Version Date: 06/20/2022
Agency Update Frequency: Annually
Planned Next Contact: 09/15/2022
Agency: Department of Environmental Quality
Agency Contact: 804-698-4000
Most Recent Contact: 06/20/2022

RECORDS OF EMERGENCY RELEASE REPORTS (cont.)

SPILLS - VA: Oil and hazardous material spills report sites

Agency Version Date: 06/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/15/2022
Agency: Department of Environmental Quality
Agency Contact: 804-698-4000
Most Recent Contact: 06/20/2022

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 06/06/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/01/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 06/06/2022

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 01/24/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 10/13/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 07/18/2022

OTHER ASCERTAINABLE RECORDS

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 06/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 09/16/2022
Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 06/21/2022

COLLEGES: List of major Universities & Colleges

Agency Version Date: 07/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/07/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/13/2022

COLLEGES 2: List of Universities & Colleges

Agency Version Date: 07/14/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/10/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/14/2022

DAYCARE: List of Daycare facilities

Agency Version Date: 07/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/07/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/13/2022

HOSPITALS: List of major Hospitals

Agency Version Date: 07/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/07/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/13/2022

NURSING HOMES: List of Nursing Homes

Agency Version Date: 07/08/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/06/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/08/2022

OTHER ASCERTAINABLE RECORDS (cont.)

PFAS NPL: List of NPL sites with PFAS or PFOA contamination

Agency Version Date: 04/29/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/29/2022

PFAS TRIS: List of TRIS sites where PFAS or PFOA are used/manufactured/ treated/ transported/released.

Agency Version Date: 06/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/16/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 06/21/2022

PFAS UCMR3: List of PWS wells sampled for Unregulated Contaminant Monitoring Rule (UCMR)

Agency Version Date: 06/02/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/29/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 06/02/2022

PRISONS: List of Prison facilities

Agency Version Date: 06/07/2022
Agency Update Frequency: Varies
Planned Next Contact: 09/02/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 06/07/2022

SCHOOLS PRIVATE: List of Private Schools

Agency Version Date: 07/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/07/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/13/2022

SCHOOLS PUBLIC: List of Public Schools

Agency Version Date: 07/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 10/07/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 07/13/2022

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 03/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 08/30/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 06/03/2022

SUBJECT PROPERTY ADDRESS:

First Community Narrows VA
120 Old Virginia Ave
Narrows, VA 24124

SUBJECT PROPERTY COORDINATES:

Latitude(North):	37.335826 - 37°20'9"
Longitude(West):	-80.806621 - -80°48'23.8"
Universal Transverse Mercator:	Zone 17N
UTM X (Meters):	517130.14
UTM Y (Meters):	4132145.23
State Plane Coordinates:	4502 - Virginia South (US Survey Feet)
X Coordinate (Feet):	10812385.731 E
Y Coordinate (Feet):	3654022.43 N

ELEVATION:

Elevation:	1557 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	37080-C7 Narrows, VA
Most Recent Revision:	2019

GEOHYDROLOGY DATA:

SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: West

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
GILES	N/R
Flood Plain Panel at Subject Property:	N/R
Additional Panels in search area:	N/R

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
GILES	N/R
Flood Plain Panel at Subject Property:	N/R
Additional Panels in search area:	N/R

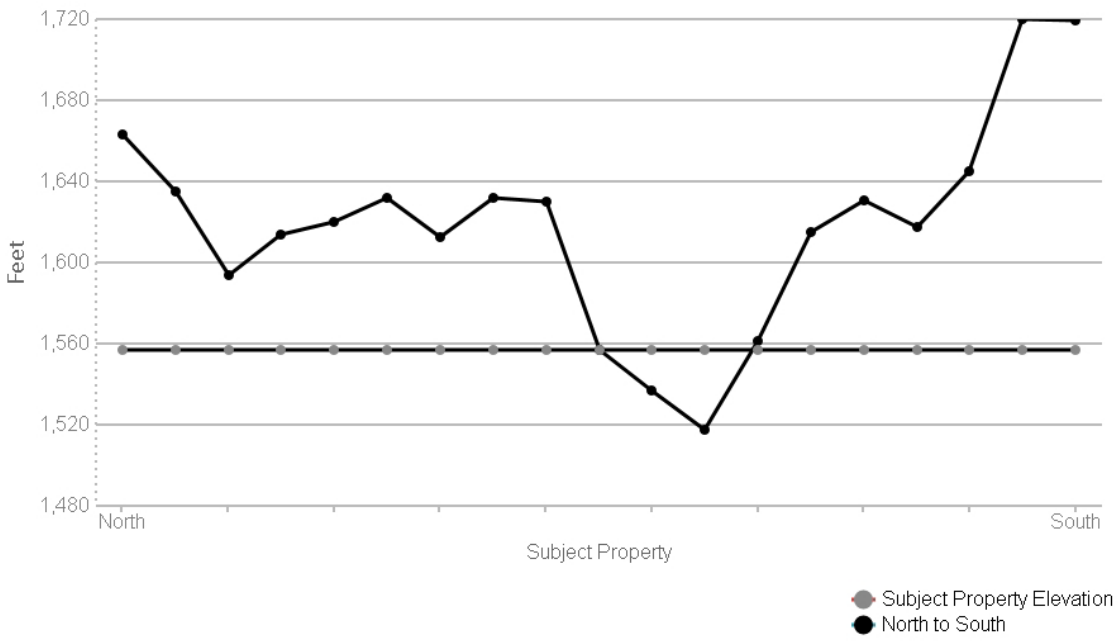
NATIONAL WETLAND INVENTORY:

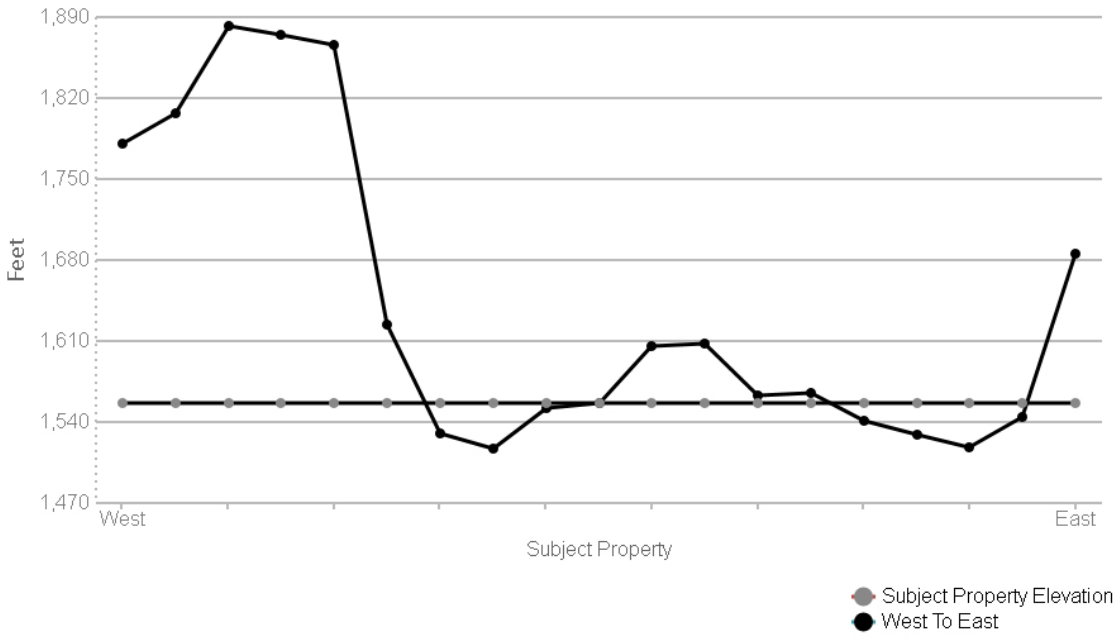
	NWI Electronic
NWI Quad at Subject Property:	Data Coverage:
No available data	No available data

LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:		GEOLOGIC AGE IDENTIFICATION
Era:	Not Searched	Category: Not Searched
System:	Not Searched	
Series:	Not Searched	
Code:	Not Searched	

SURROUNDING ELEVATION PROFILES:





SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Not Searched

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
OIL & GAS WELLS - VA	1.000
WELLS - VA	1.000

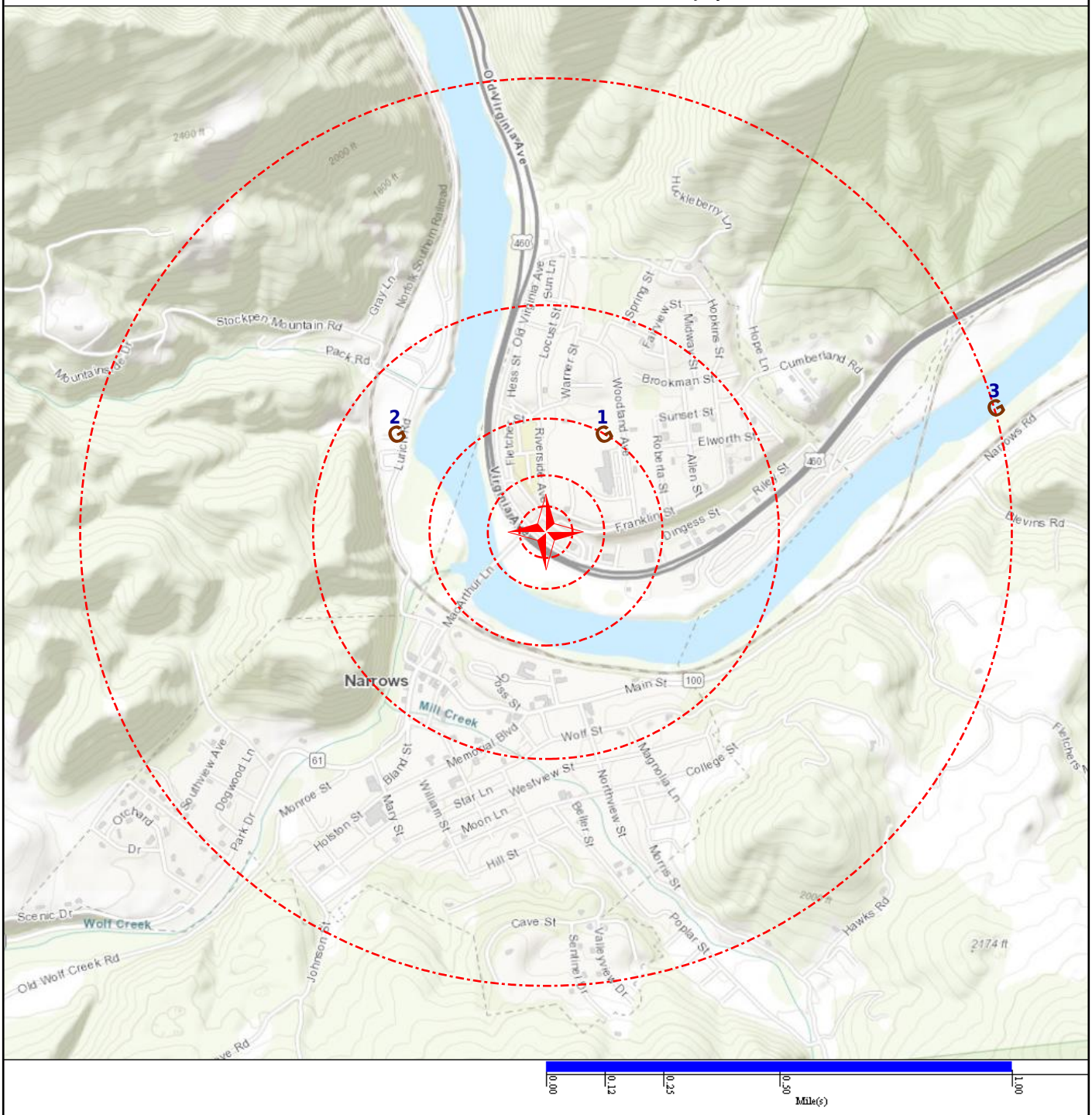
DISTANCE TO NEAREST:	DISTANCE:
OIL & GAS WELLS - VA	N/A
WELLS - VA	0.243 mi / 1283 ft

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
1	VA1071565	1/8 - 1/4 Mile NE
2	VA1071720	1/4 - 1/2 Mile WNW
3	VA1071490	1/2 - 1 Mile ENE

SUBJECT NAME: First Community Narrows VA
ADDRESS: 120 Old Virginia Ave, Narrows, VA, 24124
LAT/LONG: 37.335826 / -80.806621

PREPARED FOR: Advantage Environmental Consultants ,...
ORDER #: 75633
REPORT DATE: July 25, 2022



Map Id: 1
Direction: NE
Distance: 0.243 mi., 1284 ft.
Elevation: 1664 ft.
Relative: Higher

Site Name : VA1071565
37.338889, -80.804444
VA
Database(s) : [WELLS - VA]

Envirosite ID: 47056222
EPA ID: N/R

WELLS - VA

Identification Code :	WL001
Facility Name :	ORCHARD WELL
Facility Activity Status :	Active
PWS Name :	NARROWS, TOWN OF
Principle County Served Name :	GILES COUNTY
Activity Status :	Active
PWS Federal Type :	Community
Federal Primary Source :	Purchased Groundwater UDI Surface Water
Constructed Date :	N/R
Last Date in Agency List :	2022-04-11

Map Id: 2
Direction: WNW
Distance: 0.386 mi., 2039 ft.
Elevation: 1536 ft.
Relative: Lower

Site Name : VA1071720
37.338889, -80.8125
VA
Database(s) : [WELLS - VA]

Envirosite ID: 47047902
EPA ID: N/R

WELLS - VA

Identification Code :	001
Facility Name :	HARRIS SPRING
Facility Activity Status :	Active
PWS Name :	RIVERVIEW TRAILER PARK
Principle County Served Name :	GILES COUNTY
Activity Status :	Inactive
PWS Federal Type :	NP
Federal Primary Source :	Groundwater
Constructed Date :	N/R
Last Date in Agency List :	2022-04-11

Map Id: 3
Direction: ENE
Distance: 0.996 mi., 5259 ft.
Elevation: 1519 ft.
Relative: Lower

Site Name : VA1071490
37.339722, -80.789167
VA
Database(s) : [WELLS - VA]

Envirosite ID: 47050527
EPA ID: N/R

WELLS - VA

Identification Code :	001
Facility Name :	DRILLED WELL
Facility Activity Status :	Active
PWS Name :	JOHN KINNEY
Principle County Served Name :	GILES COUNTY
Activity Status :	Inactive
PWS Federal Type :	Transient Non-Comunnity

Map Id: 3
Direction: ENE
Distance: 0.996 mi., 5259 ft.
Elevation: 1519 ft.
Relative: Lower

Site Name : VA1071490
37.339722, -80.789167
VA

Database(s) : [WELLS - VA] ***(cont.)***

Envirosite ID: 47050527
EPA ID: N/R

WELLS - VA ***(cont.)***

Federal Primary Source :	Groundwater
Constructed Date :	N/R
Last Date in Agency List :	2022-04-11

RADON DATA:

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: No Available Data

NUMBER OF SAMPLE SITES: No Available Data

FEDERAL EPA RADON ZONE FOR GILES COUNTY: Zone = 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 < 2 pCI/L

WELLS - VA
Water Well Locations
Virginia Department of Health
Water Well Locations

OIL & GAS WELLS - VA
Oil and Gas Wells
Virginia Department of Mines, Minerals and Energy
Oil and gas wells location

RADON EPA
RADON EPA
U.S. Environmental Protection Agency
215-814-2469
EPA list of Radon zones

APPENDIX E

RECORDS OF COMMUNICATION

CORRECTIVE ACTION PLAN IMPLEMENTATION REPORT
(SUBPHASE #14)
FORMER KELLEY GAS & OIL BULK PLANT
NARROWS, VIRGINIA
September 28, 2011, to January 31, 2012

AST PC # 2006-2020A
FAC# FC-02-0556/2-007586

CORRECTIVE ACTION PLAN IMPLEMENTATION REPORT
(SUBPHASE #14)
FORMER KELLEY GAS & OIL BULK PLANT
NARROWS, VIRGINIA
September 28, 2011, to January 31, 2012

AST PC # 2006-2020A
FAC# FC-02-0556/2-007586

Submitted to:

Virginia Department of Environmental Quality
Blue Ridge Regional Office
Attention: Mr. Douglas Carl
3019 Peters Creek Road
Roanoke, Virginia 24019

Prepared for:

Mr. & Mrs. Gene and Nellie Kelley
Kelley Gas & Oil
1003 Locust Drive
Pearisburg, Virginia 24134

Prepared by:

Simon & Associates, Inc.
P.O. Box 10007
Blacksburg, Virginia 24062
540-951-4234

Project # 05416-02

February 23, 2012

Note: Simon & Associates, Inc. has adopted an environmental stewardship policy of double sided printing. Because of this policy, sections of this report may be printed on both sides of the page.

TABLE OF CONTENTS

EXECUTIVE SUMMARY

The former Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. The site has been operated as a petroleum bulk plant since the 1950s, and has stored and distributed kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road and heating oil), and gasoline. The site is now an active bulk plant operated by Rumley Oil Company.

On January 26, 2011, Simon & Associates, Inc. contacted the VDEQ to request that a thirty (30) day pilot study using dual phase extraction (DPE) be conducted at the site to test the effects of a more aggressive remediation technology at the site. The VDEQ concurred with the recommendation and approved the Activity Authorization Form (AAF) for the pilot study activities.

Simon & Associates, Inc. conducted the pilot study using a DPE and treatment system from March 16 to April 22, 2011, to evaluate the feasibility of using DPE technology as a permanent treatment solution. Pilot study activities included data collection to estimate product removal rates and evaluate the treatment systems radius of influence. The three (3) groundwater monitoring wells that have historically contained free phase product (MW-2, MW-4, and MW-5) were used as extraction wells during the study.

During the pilot study, approximately sixty-two thousand, eight hundred sixty (62,860) gallons of effluent was extracted, treated, and discharged into the Town of Narrows sanitary sewer. A total of approximately two hundred thirty-five (234.70) pounds of petroleum product was removed from the subsurface during the pilot study.

Following the pilot study activities, Simon & Associates, Inc. conducted post operational monitoring activities at the site. During post operational monitoring, Simon & Associates, Inc. documented an increasing thickness of free phase product in MW-2. In a report dated September 27, 2011, Simon & Associates, Inc. recommended that dual phase extraction be implemented to address the increasing thickness of free phase product at the site. The VDEQ concurred with the request and approved all associated activities on the AAF dated October 12, 2011.

Beginning October 25, 2011, Simon & Associates, Inc. began active treatment at the site using dual phase extraction (DPE). The DPE system operated continuously from October 25, 2011, through January 25, 2012. During this period of operation, Simon & Associates, Inc. extracted, treated, and discharged over one hundred sixty-one thousand, six hundred seventy (161,672) gallons of groundwater. A total of approximately one thousand three hundred eighty-two (1382.05) pounds of vapor phase and dissolved phase product were removed during this period of operation.

Based on the findings of DPE operation and associated monitoring and sampling activities conducted from September 28, 2011, to January 31, 2012, the following conclusions are presented:

- The DPE treatment system operated for approximately two thousand, two hundred seven (2206.6) hours or approximately ninety-two (91.94) days.
- Monitoring wells MW-2, MW-4, and MW-6 were used as extraction points during the operational period.
- Approximately three hundred eighty-four (383.97) pounds of petroleum product was removed in the vapor phase.
- Approximately nine hundred ninety-eight (998.08) pounds of petroleum product was removed in the dissolved phase.
- Over one hundred sixty-one thousand, six hundred seventy (161,672) gallons of treated groundwater was discharged to the Town of Narrows sanitary sewer system.
- Groundwater monitoring and sampling events were conducted prior to and following DPE operations from October 25, 2011, through January 25, 2012.
- Measureable free phase product was present in MW-2 (0.26 feet) on October 25, 2011. There was no measureable free phase product in any of the wells on January 30, 2012.
- Groundwater monitoring conducted on January 30, 2012, indicated that no free phase product was present in any of the monitoring wells following this quarter of dual phase extraction.

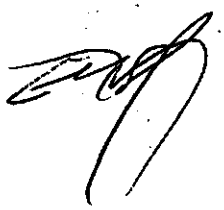
Given the above conclusions and the progress made at the site during this quarter of operation, Simon & Associates, Inc. recommends that DPE treatment be continued at the site. Laboratory analytical data for influent samples collected at the site during this quarter of operations indicate that elevated TPH-DRO concentrations still exist in the subsurface. Because the petroleum impact at the site has historically resulted in free phase rebound, Simon & Associates, Inc. recommends continuing treatment for an additional quarter of operation to aggressively treat the subsurface. If monitoring wells continue to meet the free phase product endpoints following an additional quarter of treatment the site will be moved to a post operational monitoring phase.

SIMON ASSOCIATES INC.
SOILS & ENVIRONMENTAL CONSULTANTS
P.O. Box 10007 • Blacksburg, VA 24062 • 540.951.4234 • 540.951.4219/fax

SIGNATURE/CERTIFICATION SHEET

I certify that I have prepared or supervised preparation of the attached report, that it has been prepared in accordance with industry standards and practices, and that the information contained herein is truthful and accurate to the best of my knowledge.

Prepared by: Eric Sheetz, CPSS
Soil Scientist

Signature: 

Reviewed by: D. Mark Allamong, CPG
Senior Geologist

Signature: 

1.0 INTRODUCTION

1.1 Purpose

This Corrective Action Plan Implementation (CAP-IMP) report presents the methods of investigation and findings for the first quarter of dual phase extraction (DPE) and treatment and all associated monitoring and sampling at the former Kelley Gas & Oil Bulk Plant from September 28, 2011, through January 31, 2012. The CAP-IMP activities concluded with a groundwater monitoring event on January 30, 2012, to evaluate the effect of the aggressive remediation. Separate subsections, which provide a site description, discussion of site activities, and the methods of investigation and findings, are presented below.

1.2 Site Description

The former Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. The site has operated as a petroleum bulk plant since the 1950s. The facility was historically used for distribution of kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road and heating oil), and gasoline. A section of the Narrows, VA United States Geological Survey (USGS) topographic quadrangle showing the site location is included as Figure 1 (Appendix A). A site map showing the location of pertinent site features in included as Figure 2 (Appendix A).

1.3 Background

Complete site histories have been included in previous CAP-IMP reports submitted to the Virginia Department of Environmental Quality (VDEQ). Active remediation using downhole, top-loading, pneumatic pumps (DHTLPPs) and an oil/water separator began on March 24, 2008. In January 2011, Simon & Associates, Inc. requested approval for a thirty (30) day pilot study using dual phase extraction (DPE) at the facility. The VDEQ approved the pilot study and activities were conducted during the period March 16 through April 22, 2011. During the pilot study, approximately sixty-two thousand, eight hundred sixty (62,860) gallons of effluent was extracted, treated, and discharged into the Town of Narrows sanitary sewer. A total of approximately two hundred thirty-five (234.70) pounds of petroleum product was removed from subsurface during pilot study activities.

Following the pilot study, post operational monitoring, including monthly gauging of all groundwater monitoring wells for the presence or absence of free phase product, was conducted at the site. During the three (3) subsequent post operational monitoring events, Simon & Associates, Inc. documented an increasing thickness of free phase product in MW-2. In a report dated September 27, 2011, Simon & Associates, Inc. recommended that dual phase extraction be implemented to address the increasing thickness of free phase product at the site. The VDEQ concurred with the request and approved all associated activities on the AAF dated October 12, 2011.

2.0 DUAL PHASE TREATMENT OPERATIONS

On October 19, 2011, Simon & Associates, Inc. mobilized the DPE treatment system to the former Kelley Gas & Oil Bulk Plant facility. The DPE system was connected to the power supply and extraction wells were plumbed using approximately one hundred eighty (180) feet of three quarter inch flex hose. The influent line was connected, the bioreactor cells were filled and the system was shut down to allow bacteria within the cells to mature. The DPE system began its first full quarter of operation on October 25, 2011, and operated continuously through January 25, 2012, for approximately two thousand two hundred seven (2206.6) hours or approximately ninety-two (91.94) days. On January 25, 2012, the DPE treatment system was shut down to allow water levels to stabilize prior to a scheduled groundwater sampling event.

Site visits were conducted on October 25, 26, and 28, November 1, 4, 15, and 26, December 9, 16, 21, and 28, 2011, and January 3, 4, 9, 18, and 25, 2012. Approximately eight (8) ounces of nutrients were added to each bioreactor cell during many of the site visits to keep the petroleum-degrading bacteria in optimum condition. Field data sheets with raw hour meter data collected during each site visit are included as Appendix B.

2.1 Effluent Discharge

Treated effluent generated during DPE treatment at the former Kelley Gas & Oil Bulk Plant site is discharged to the Town of Narrows municipal sanitary sewer system.

2.2 Extraction Configuration

There are six (6) groundwater monitoring wells at the site. Wells MW-2, MW-4, and MW-5 were used as extraction wells during this quarter of treatment. On October 25, 2011, monitoring well MW-2 was used for extraction to initiate the quarter of operation. MW-4 was added to the extraction configuration on October 26, 2011; followed by MW-5 on November 1, 2011. The monitoring wells were added to the extraction configuration incrementally to allow the bioreactor cells sufficient time to adjust for increasing influent flow rates.

2.3 Operational Monitoring

2.3.1 Water Influent and Effluent

Six (6) influent and effluent samples were collected during site visits conducted on October 25, November 15 and 28, December 9 and 21, 2011, and January 9, 2012, to quantify the mass removal of dissolved phase petroleum and ensure compliance with the Town of Narrows municipal sanitary sewer discharge permit. All samples were submitted to REI Consultants, Inc. (REIC) of Beaver, West Virginia, for analysis for total petroleum hydrocarbons – diesel range organics (TPH-DRO) and total petroleum hydrocarbons – gasoline range organics (TPH-GRO) by Environmental Protection Agency (EPA) Method 8015C.

2.3.2 *Vapor Measurements*

Airflow rate and vapor phase concentration data were collected during each site visit. Air velocities were measured using a digital air speed indicator placed over the two-inch exhaust vent from the air-water separator tank.

The volume of air emitted per unit of time was calculated from the relationship of the area of the pipe cross-section multiplied by the velocity using the following conversions:

Area of 2-inch polyvinyl chloride (PVC) pipe = $(1 \text{ inch})^2$ (3.14) = 3.14 inch^2 = 0.0218 feet^2 = 20.26 centimeters^2

Velocity (1 mph) = (5,280 feet per hour) x (1hour/60 minutes) = 88 feet/minute = 2682 centimeter/minute

Air flow (cubic feet per minute [cfm]) = 1.92 x velocity (mph)

Air flow (liters/minute) = 54.34 x velocity (mph)

Petroleum product in the air stream was analyzed using a Biosystems MultiVision Combustible Gas Meter (CGM). The CGM measures the percent of the lower explosive limit (% LEL) present in the atmosphere. The CGM is calibrated on a weekly basis and is used for qualitative purposes only. The CGM readings during this quarter ranged between 2 percent LEL and 3 percent LEL.

Six (6) air effluent samples were collected during site visits conducted on October 25, November 15 and 28, December 9 and 21, 2011, and January 9, 2012, to quantify the mass removal of vapor phase petroleum. The samples were collected from the sampling port using a methodology developed by REIC and Simon & Associates, Inc. The air effluent sample for TPH-DRO is collected by piercing a sealed 40-milliliter (mL) air-evacuated vial with a hypodermic needle and allowing the vial to self-fill while in the air flow of the sampling port. The TPH-GRO and BTEX sample is collected by withdrawing air from the sampling port with a 60-mL syringe and injecting the sample into an air-evacuated vial. The October 25, 2011, and January 9, 2012, samples were submitted to REIC for analysis for TPH-GRO and TPH-DRO by EPA Method 8015C. The November 28, December 9 and 21, 2011, samples were submitted to REIC for analysis for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and TPH-GRO by Method 18 (an adaptation of Methods 8015C and 8020C) and TPH-DRO by EPA Method 8015C. The November 15, 2011, sample was submitted for TPH-DRO only.

2.3.3 *Mass Removal in the Vapor Phase*

The laboratory analytical results show that the air samples collected on October 25, November 28, December 9 and 21, 2011, contained TPH-GRO concentrations ranging from 0.46 milligrams per liter (mg/L) on October 25, 2011, to 14.3 mg/L on December 9, 2011 (Table 1, Appendix C). Air samples collected on November 28, December 9 and 21, 2011, exhibited total BTEX (the sum of the individual constituent

concentrations) concentrations ranging from 0.0370 mg/L to 0.1073 mg/L. No detectable concentrations of TPH-DRO were present in any of the air samples collected during this period of monitoring. A copy of the laboratory analytical reports is presented in Appendix D.

Air velocities measured from the sample port of the DPE system are a function of the permeability of the aquifer material and the amount of groundwater being pulled through the treatment system. Air velocity readings are expected to increase as the water table continues to be depressed during treatment by constant pumping. Air velocities ranged between four (4) miles per hour (mph) and eighteen (18) mph over this quarter of treatment.

A summary of the cumulative product removed in the vapor phase and the vapor phase removal rates for the DPE treatment system is presented as Table 2 (Appendix C). During this operational period, three hundred eighty-four (383.97) pounds of petroleum product was removed in the vapor phase. REIC was contacted regarding the presence of TPH-GRO in the air effluent samples versus the general lack of this constituent in the dissolved phase samples. Their response was that the constituents were basically the lighter range of the diesel fuel constituents showing up in the gasoline range. The heavier hydrocarbons that constitute diesel fuel are least likely to volatilize unless some form of extreme energy is applied to it. Therefore, it is more likely that you would see larger amounts of TPH-GRO and BTEX components in air samples as they are most apt to volatilize and concentrate in the gaseous phase even though they are present in the lowest quantities in the actual liquid fraction. Microbial degradation could also contribute to TPH-GRO fractions as larger hydrocarbons are broken down into smaller forms. Since treatment began with the pilot study on March 16, 2011, over five hundred seventy-nine (579.03) pounds of vapor phase product have been removed from the subsurface. A graph showing the cumulative mass removal, and the rates of mass removal for gasoline constituents are presented as Figures 3 and 4, respectively (Appendix A). Because there has been no quantifiable removal of diesel-range constituents since the pilot study, no graph is presented.

2.3.4 Mass Removed in the Dissolved Phase

A summary of the laboratory analytical results of the influent and effluent samples collected during this quarter of operation is presented in Table 3 (Appendix C). A copy of the laboratory analytical reports is presented in Appendix D.

All six (6) of the influent samples contained detectable concentrations of TPH-DRO ranging from 3.53 mg/L to 1,620 mg/L. The influent sample collected on October 25, 2011, was the only influent sample that exhibited any detectable concentrations of TPH-GRO (6.35 mg/L). Over nine hundred ninety-eight (998.08) pounds of dissolved phase product was removed during this period of operation.

The findings of the DPE sampling events indicate that dissolved phase petroleum constituents are still present in the influent groundwater. A summary of the amount of dissolved phase product removed is presented in Table 4 (Appendix C).

2.3.5 *Treatment of Effluent Water/Quantity of Water*

Six (6) effluent water samples were collected to ensure compliance with the discharge permit issued by the Town of Narrows. All six (6) of the monthly effluent samples were within compliance with the discharge permit. Two (2) of the effluent samples contained low concentrations of TPH-DRO. No TPH-GRO was detected in any of the samples.

During this period of operation over one hundred sixty-one thousand, six hundred seventy gallons (161,672) gallons of treated groundwater was discharged to the Town of Narrows municipal sanitary sewer system (Table 4, Appendix C). Monthly Discharge Monitoring Reports (DMRs) were prepared and submitted to the Town of Narrows to quantify monthly discharges to the municipal sewer.

2.4 DPE System Maintenance and Repair

During routine monitoring events conducted on December 16, 2011, and January 3, 2012, the DPE system was found to have lost prime due to a melted influent line. During both events the influent line was immediately repaired and the pump was re-primed upon arrival allowing extraction activities to resume.

During a routine site visit on January 18, 2012, the regenerative blower shut down. Simon & Associates, Inc. immediately replaced the blower upon discovery of the malfunction.

3.0 GROUNDWATER MONITORING

3.1 Methods of Investigation

The six (6) groundwater monitoring wells were gauged and sampled on October 25, 2011, and January 30, 2012, prior to and following completion of the calendar quarter of dual phase extraction. During each event, the depth to water and the free phase product thickness (if present) in each well was measured using a Heron Instruments Model H.01L interface meter.

During sampling activities, each of the six (6) wells was purged of three (3) well volumes using a disposable polyethylene bailer attached to a nylon cord. During sample collection, the bailer was lowered slowly into the well to limit agitation and aeration of the sample. The bailer and bailer line were not permitted to touch the ground or other surfaces during sampling. The groundwater samples were transferred to clean, labeled sample containers (provided by the laboratory) and placed in an insulated cooler containing ice for preservation in the field. The groundwater samples were submitted to REIC for analysis for TPH-DRO and TPH-GRO by EPA Method 8015C, and BTEX, methyl tertiary-butyl ether (MtBE), and naphthalene by EPA Method 8021B.

All non-expendable sampling equipment was thoroughly decontaminated following purging and sampling using Liquinox® cleaning solution followed by a triple rinse of deionized water and isopropyl alcohol to prevent cross-contamination.

3.2 *Investigative Findings and Discussion*

3.2.1 Free Phase Product

A comprehensive summary of the physical well data, including free product thickness and static water level measurements, is presented in Table 5 (Appendix C). Based on data presented in Table 5 (Appendix C), 0.25 feet of free phase product was present in MW-2 during the October 25, 2011, monitoring well gauging event. No free phase product was observed in any of the other monitoring wells on that date. During the January 30, 2012, groundwater monitoring event, no free phase product was present in any of the monitoring wells.

2.2.2 Dissolved Phase Product

A comprehensive summary of the laboratory analytical results for all groundwater samples collected at the site is presented in Table 6 (Appendix C). A copy of the REIC laboratory reports is included in Appendix D.

Based on the analytical results presented in Table 6 (Appendix C), dissolved phase petroleum constituent concentrations were present in four (4) of the six (6) groundwater monitoring wells sampled prior to implementation of the quarterly operations period on October 25, 2011. The overall highest dissolved phase concentrations were present in MW-2, with TPH-DRO and TPH GRO concentrations of 1,580 milligrams per liter (mg/L) and 1.13 mg/L, respectively. BTEX and naphthalene were also present in MW-2. Monitoring wells MW-1, MW-4, and MW-5 also contained detectable concentrations of the target parameters.

Based on the analytical results presented in Table 6 (Appendix C), dissolved phase petroleum constituent concentrations were present in four (4) of the six (6) groundwater monitoring wells sampled following dual phase extraction activities on January 30, 2012. The overall highest dissolved phase petroleum constituent concentrations were present in MW-2 (74.3 mg/L) - a significant reduction when compared to the 1,580 mg/L observed in the sample collected on October 25, 2011. A review of the laboratory analytical data indicated that only one (1) of the (4) monitoring wells has exhibited significant decreases in dissolved phase concentrations following the pilot study. Laboratory analytical data for MW-1, MW-4, and MW-5 indicated that dissolved phase concentrations slightly increased following the pilot study. The dissolved phase increases in MW-4 and MW-5 is likely due to the DPE system pulling petroleum-impacted water towards the extraction wells.

4.0 CONCLUSIONS, DISCUSSION, AND RECOMMENDATIONS

Based on the findings of DPE operation and associated monitoring and sampling activities conducted from September 28 to January 30, 2012, the following conclusions are presented:

- The DPE treatment system operated for approximately two thousand, two hundred seven (2206.6) hours or approximately ninety-two (91.94) days.

- Monitoring wells MW-2, MW-4, and MW-6 were used as extraction points during the operational period.
- Approximately three hundred eighty-four (383.97) pounds of petroleum product was removed in the vapor phase.
- Nine hundred ninety-eight (998.08) pounds of petroleum product was removed in the dissolved phase.
- Over one hundred sixty one thousand, six hundred seventy (161,672) gallons of treated groundwater was discharged to the Town of Narrows sanitary sewer system.
- Groundwater monitoring and sampling events were conducted prior to and following DPE operations from October 25, 2011, through January 25, 2012.
- Measureable free phase product was present in MW-2 (0.26 feet) on October 25, 2011. There was no measureable free phase product in any of the wells on January 30, 2012.
- Groundwater monitoring conducted on January 30, 2012, indicated that no free phase product was present in any of the monitoring wells following this quarter of dual phase extraction.

Given the above conclusions and the progress made at the site during this quarter of operation, Simon & Associates, Inc. recommends that DPE treatment be continued at the site. Laboratory analytical data for influent samples collected at the site during this quarter of operations indicate that elevated TPH-DRO concentrations still exist in the subsurface. Because the petroleum impact at the site has historically resulted in free phase rebound, Simon & Associates, Inc. recommends continuing treatment for an additional quarter of operation to aggressively treat the subsurface. If monitoring wells continue to meet the free phase product endpoints following an additional quarter of treatment, the site will be moved to a post-operational monitoring phase.

CORRECTIVE ACTION PLAN IMPLEMENTATION REPORT
FORMER KELLEY GAS & OIL BULK PLANT
120 OLD VIRGINIA AVENUE
NARROWS, VIRGINIA
March 20, 2008 to July 9, 2008

AST PC # 2006-2020A
FAC # FC-02-0556/2-007586

V

CORRECTIVE ACTION PLAN IMPLEMENTATION REPORT
FORMER KELLEY GAS & OIL BULK PLANT
120 OLD VIRGINIA AVENUE
NARROWS, VIRGINIA
March 20, 2008 to July 9, 2008

AST PC # 2006-2020A
FAC # FC-02-0556/2-007586

Submitted to:

Virginia Department of Environmental Quality
West Central Regional Office
Attention: Mr. Doug Carl
3019 Peters Creek Road
Roanoke, Virginia 24019

Prepared for:

Kelley Gas & Oil Company, Inc.
Attention: Mr. and Mrs. Gene Kelley
1003 Locust Drive
Pearisburg, Virginia 24134

Prepared by:

Simon & Associates, Inc.
P.O. Box 10007
Blacksburg, Virginia 24062

Project Number – 05416-02

August 19, 2008

Note: Simon & Associates, Inc. has adopted an environmental stewardship policy of double sided printing. Because of this policy, sections of this report may be printed on both sides of the page.

TABLE OF CONTENTS

EXECUTIVE SUMMARY

The former Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. The site has been operated as a petroleum bulk plant since the 1950s. The facility was used throughout the years for distribution of kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road and heating oil),. and gasoline. All petroleum products in the active tanks were pumped out in June 2005 prior to a sale of the property.

The site contained seven (7) above ground storage tanks (ASTs) totaling one hundred twenty-eight thousand (128,000) gallons of storage capacity. Three (3) vertical 20,000-gallon tanks, used to store kerosene, low sulfur diesel, and high sulfur diesel, were active until June 2005. Four (4) ASTs, previously containing different grades of gasoline (two (2) 20,000-gallon, one (1) 18,000-gallon, and one (1) 10,000-gallon), were cleaned, locked, and placed out of service in the early 1990s. All of the tanks were located within a common earthen containment dike. A pump station for offloading is located at the west end of the containment area. Delivery trucks were loaded through a separate loading rack area. Overflow drains are present in the vicinity of the loading rack area and pump station. All surface runoff from the fuel storage area runs though a subsurface oil/water separator prior to discharge. The site has been sold to Rumley Oil Company of Oakvale, West Virginia. Since the sale of the property, the 18,000-gallon and the 10,000-gallon tanks have been removed from the dike. The earthen dike has also been lined with a petroleum-resistant liner.

A Phase II Environmental Site Assessment (ESA) was performed at the subject site in September 2005 by Simon & Associates, Inc. as part of a pending real estate transaction between Kelley Gas & Oil Company and the Rumley Oil Company. Simon & Associates, Inc. installed and sampled three (3) soil borings/monitoring wells as a part of Phase II ESA activities. A measurable thickness of free phase product (0.08 feet) was documented in MW-2 during well gauging on September 1, 2005. The Virginia Department of Environmental Quality (VDEQ) was notified of a confirmed release based on the findings of the Phase II ESA.

In correspondence dated September 6, 2005, the VDEQ requested that Site Characterization Report (SCR) activities be conducted at the site. SCR activities were implemented by Simon & Associates, Inc. on November 3, 2005, in accordance with an Activity Authorization Form (AAF) approved by the VDEQ on October 17, 2005. Three (3) soil borings/monitoring wells were installed as a part of SCR activities. Residual phase petroleum constituents were below laboratory detectable concentrations in all three (3) of the soil samples submitted for analysis.

All six (6) monitoring wells were sampled on November 8, 2005. Detectable concentrations of dissolved phase petroleum constituents were present in five (5) of the six (6) groundwater samples submitted for analysis. MW-2, which contained free phase product during the sampling event, exhibited the most elevated dissolved phase concentrations. MW-2 contained free phase product during well gauging on November 8

(0.53 feet) and November 15, 2005 (0.48 feet). None of the five (5) remaining monitoring wells installed at the Kelley Gas & Oil Bulk Plant site contained free phase product during SCR well gauging.

The SCR was submitted to the VDEQ on December 2, 2005. Simon & Associates, Inc. recommended that a Corrective Action Plan (CAP) be prepared for the site. On January 10, 2006, the VDEQ requested that an SCR Addendum (SCRA) be conducted at the site to further investigate the source of the free phase product, and that monthly free phase recovery events be conducted at the site. As of the last monitoring event in December 2006, free phase product has spread to three (3) monitoring wells despite the monthly manual bailing events. The SCRA activities included monthly free product removal. No additional subsurface investigation was conducted during the SCRA. The SCRA was submitted to the VDEQ on December 14, 2006.

On October 31, 2006, the VDEQ requested that a CAP be developed for the site. Activities conducted prior to preparation of the CAP included a groundwater monitoring event to evaluate current free phase and dissolved phase distribution at the site, and conducting an aggressive fluid and vapor recovery (AFVR) event.

Under the AAF submitted to the VDEQ on November 6, 2006, and approved on December 4, 2006, line tightness testing was conducted on November 20, 2006. Six lines were tested and all passed.

During mid-June 2007, all tanks were removed from the dike in order to install a petroleum resistant liner in the dike. After all tanks were out, the floor of the dike was inspected for petroleum contamination; none was found.

On July 18, 2007, a Corrective Action Plan (CAP) was submitted to the VDEQ. The CAP included a summary of information to date from the initial site characterization and the proposed corrective action to mitigate the free phase petroleum product at the site. Based on the presence of free phase product in several monitoring wells, the CAP proposed a pump and treat system utilizing a series of pneumatic total fluid pumps to remove the groundwater and an oil/water separator to treat the effluent prior to discharge into the sanitary sewer system.

This report details treatment system installation, operational monitoring, treatment system efficiency, and groundwater monitoring for the period March 20, 2008, through July 9, 2008.

SIM&N ASSOCIATES INC.
SOILS & ENVIRONMENTAL CONSULTANTS

P.O. Box 10007 • Blacksburg, VA 24062 • 540.951.4234 • 540.951.4219/fax

SIGNATURE/CERTIFICATION SHEET

I certify that I have prepared or supervised preparation of the attached report, that it has been prepared in accordance with industry standards and practices, and that the information contained herein is truthful and accurate to the best of my knowledge.

Prepared by: Eric Sheetz
Environmental Specialist

Signature:

Reviewed by: D. Mark Allamong, CPG
Senior Geologist

Signature:

1.0 INTRODUCTION

1.1 Purpose

The purpose of this report is to present the methods, procedures, and findings of the first quarter of Corrective Action Plan Implementation (CAP-IMP) activities conducted at the former Kelley Gas & Oil Bulk Plant. CAP-IMP activities at the site include installation of a pneumatic fluid recovery and treatment system and one (1) calendar quarter of fluid extraction and associated monitoring operations. The information presented in this report is for system installation, operation, and site monitoring activities from March 20 to July 9, 2008.

2.0 SITE INFORMATION AND HISTORY

2.1 Site Location/Facility Description

The former Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. The site has been operated as a petroleum bulk plant since the 1950s. The facility was used throughout the years for distribution of kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road and heating oil), and gasoline. A section of the Narrows, VA, United States Geological Survey (USGS) topographic quadrangle showing the site location is included as Figure 1 (Appendix A).

The site contained seven (7) above ground storage tanks (ASTs) totaling one hundred twenty-eight thousand (128,000) gallons of storage capacity. Three (3) vertical 20,000-gallon tanks, used to store kerosene, low sulfur diesel, and high sulfur diesel, were active until June 2005. Four (4) ASTs, previously containing different grades of gasoline (two (2) 20,000-gallon, one (1) 18,000-gallon, and one (1) 10,000-gallon), were cleaned, locked, and placed out of service in the early 1990s. All of the tanks were located within a common earthen containment dike. A pump station for offloading is located at the west end of the containment area. Delivery trucks were loaded through a separate loading rack area. Overflow drains are present in the vicinity of the loading rack area and pump station. All surface runoff from the fuel storage area runs though a subsurface oil/water separator prior to discharge. A site map showing the location of pertinent site features in included as Figure 2 (Appendix A). The site has been sold to the Rumley Oil Company of Oakvale, West Virginia. Since the sale of the property, the 18,000-gallon and the 10,000-gallon tanks have been removed from the dike. The earthen dike has also been lined with a petroleum-resistant liner.

2.2 Site History

A detailed site history was included in the Corrective Action Plan (CAP) Development Report submitted to the Virginia Department of Environmental Quality (VDEQ) on July 18, 2007. Based on the discharge limits established by the Town of Narrows, the corrective action proposed for the former Kelley Gas & Oil Bulk Plant was to use a pump and treat system consisting of a series of pneumatic total fluids pumps to mitigate the free phase petroleum product at the site. The extracted groundwater was

routed through an oil/water separator for treatment and ultimately discharged to the Town of Narrows sanitary sewer.

3.0 TREATMENT SYSTEM INSTALLATION

On March 20, 2008, Simon & Associates, Inc. began installation of the treatment system at the former Kelley Gas & Oil facility. A building permit was obtained from Giles County prior to site activities (Appendix B). A temporary power pole was installed to provide an independently metered electrical supply to the treatment system (Plate 1, Appendix C). Subsurface trenching was installed using a T300 Bobcat with a trencher attachment. A walk-behind concrete saw was used to cut through the asphalt drive and define the trench line (Plate 2, Appendix C). The purpose of the trenching was to install an underground network of 4-inch poly vinyl chloride (PVC) pipe to serve as conduit for all water and air lines to MW-2, MW-4, and MW-5 (Plate 3, Appendix C). After the trenching was installed, the original 8-inch diameter steel manholes were removed from the extraction wells and replaced with two (2) foot by two (2) foot steel well vaults to provide space and protection for the extraction apparatus (Plate 4, Appendix C). After trenching and well vault installation was completed, the air and water lines were run through the PVC conduit to each of the three (3) extraction wells. Down-hole top-loading pneumatic pumps were placed in each of the wells (Plates 5 through 7, Appendix C). The trenching was filled with concrete to protect the piping (Plate 8, Appendix C). All debris generated during trenching and wellhead replacement activities was taken to the Montgomery Regional Solid Waste Authority for disposal. A copy of the disposal manifest is included in Appendix D.

An eight (8) foot by ten (10) foot utility building was assembled on an existing concrete pad (Plates 9 and 10, Appendix C) to house an Ingersoll Rand Model T30, two-stage air compressor used to operate the pumps and a 150-gallon KleerWater oil/water separator tank used to treat the effluent (Plate 11, Appendix C). Effluent from the oil/water separator is discharged through a two (2) inch diameter flexible PVC discharge hose to the Town of Narrows sanitary sewer (Plate 12, Appendix C). Figure 2 (Appendix A) shows the approximate location of the trenching and other remediation system components.

After the air compressor and the oil/water separator were placed in the utility building, plumbing connections were made to allow the air compressor and oil/water separator to function. Pneumatic regulators were installed to regulate the air pressure to each individual extraction well. Pneumatic flow counters were installed for each extraction well to provide a means to calculate groundwater pumped by each pump (Plate 13, Appendix C).

4.0 REMEDIATION SYSTEM OPERATION

4.1 Pneumatic Fluid Recovery Operation

The fluid recovery system was started on March 24, 2008, and operated continuously through June 26, 2008. The treatment system was shut down on June 26,

2008, for a period of one (1) week to allow groundwater monitoring and sampling activities. The system was then restarted on July 9, 2008. A copy of the field data sheet for operational monitoring conducted during this report period is included in Appendix E.

4.2 Extraction Configuration

There are a total of six (6) groundwater monitoring wells (designated "MW-1" through "MW-6") at the site. Monitoring wells MW-2, MW-4, and MW-5 were used as the extraction wells during this quarter of operation.

4.3 Operational Monitoring of Fluid Recovery System

4.3.1 Water Influent and Effluent

One (1) influent sample was collected during this period of operation. The influent sample was collected from the oil/water separator influent and represented a composite of the three (3) extraction wells at the site. The influent sample was collected to evaluate the dissolved phase petroleum constituent concentrations entering the oil/water separator to determine the effectiveness of the unit.

Water effluent flow rates were measured approximately once per week using the pneumatic flow counters. The effluent discharge is determined by multiplying the number of pump counts by the volume pumped during each pump cycle. Water effluent samples were collected weekly for the first month of operation and monthly thereafter. Effluent samples were collected to satisfy the requirements of the discharge permit issued by the Town of Narrows. Discharge Monitoring Reports (DMRs) were submitted to the Town of Narrows on a monthly basis in accordance with the requirements of the discharge permit.

The influent and effluent samples were submitted to REI Consultants, Inc. (REIC) of Beaver, West Virginia, for analysis for total petroleum hydrocarbons diesel-range organics (TPH-DRO) by Environmental Protection Agency (EPA) Method 8015B. A summary of the analytical results is presented as Table 1 (Appendix F). A copy of the REIC laboratory reports is included in Appendix G.

4.3.2 Groundwater Monitoring

Groundwater samples were collected from all six (6) wells on July 9, 2008, to evaluate the effects of groundwater treatment at the site. The depth to water in each well was measured prior to sample collection, using a Heron Instruments Model H.01 oil/water interface probe. A summary of the static water level measurements and free product thicknesses (if present) at the site are included as Table 2 (Appendix F).

Prior to collection of groundwater samples, all wells were purged of a minimum of three (3) well volumes using a disposable polyethylene bailer attached to a nylon cord. During sample collection, the bailer was lowered slowly into the well to limit agitation and aeration of the sample. The bailer and bailer line were not permitted to touch the ground or other surfaces during sampling. The samples were transferred to clean, labeled sample containers (provided by the laboratory) and placed in a cooler containing ice for

preservation in the field. The groundwater samples were submitted to REIC for analysis for TPH-DRO by EPA Method 8015B.

All non-expendable sampling or monitoring equipment was thoroughly decontaminated following purging and sampling of each monitoring well using Liquinox® cleaning solution followed by a triple rinse of deionized water and isopropyl alcohol to prevent cross-contamination.

5.0 EVALUATION OF WATER FLOW RATES, TREATMENT SYSTEM EFFICIENCY, AND PRODUCT RECOVERY

5.1 Criteria for Termination of Treatment

Absence of free product for two (2) consecutive months is the required endpoint for the termination of active treatment. The endpoint for corrective action will be the absence of a measurable thickness (<0.01 feet) of free phase product in all monitoring wells for a period of one (1) year after completion of the active treatment of the site. This endpoint is based on the EPA and VDEQ statutory requirement for free phase product removal.

5.2 Treatment of Effluent Water

Six (6) effluent samples were collected during this treatment period to verify compliance with the discharge permit issued by the Town of Narrows. The analytical results show that discharge was within the compliance limits of the discharge permit (Table 1, Appendix F).

5.3 Quantity of Water Discharged

Approximately sixteen thousand eight hundred (16,768) gallons of treated groundwater were discharged to the Town of Narrows sanitary sewer during this period of operation. The effluent discharge rate was measured during each weekly monitoring event by recording the pump counts measured by the pneumatic flow counters. During each cycle the pump extracts approximately 0.11 gallons of groundwater from the subsurface. This number is multiplied by the number of pump counts to provide the number of gallons discharged from the treatment system. Cumulative effluent discharge volumes and effluent discharge rates are included as Table 3 (Appendix F).

5.4 Concentration of Petroleum Constituents in Groundwater

A summary of laboratory analytical data from the groundwater sampling event conducted at the site is included in Table 4 (Appendix F). Laboratory analytical data for the July 9, 2008, groundwater sampling event indicated that five (5) of the six (6) monitoring wells at the site exhibited detectable concentrations of TPH-DRO. MW-2 contained the highest concentrations of TPH-DRO (3190 milligrams per liter [mg L^{-1}]). MW-4 contained the second highest TPH-DRO concentration (1010 mg L^{-1}). MW-5, MW-1, and MW-3 contained TPH- DRO concentrations of 25.2 mg L^{-1}, 1.37 mg L^{-1}, and 0.52 mg L^{-1}, respectively. According to the laboratory analytical data, four (4) of the six (6) monitoring wells exhibit increases in TPH-DRO when compared to the previous sampling event conducted on December 6, 2006.

5.5 Free Phase Product

Monitoring wells at the site were gauged for static water levels and depth to free phase product on March 10, 2008, prior to treatment system installation and startup. On that date, free phase product was present in MW-2, MW-4, and MW-5 at thicknesses of 0.57 feet, 0.10 feet, and 0.01 feet, respectively. On July 9, 2008, all monitoring wells were gauged following one (1) calendar quarter of fluid recovery. Free phase product was present in MW-2 (0.72 feet) and MW-4 (0.81 feet) on this date. Product was not present in any of the other monitoring wells during these monitoring well gauging events (Table 2, Appendix B).

5.6 Evaluation of Pneumatic Fluid Recovery and Treatment System

During this period of treatment, the treatment system operated from March 24 through June 26, 2008, extracting and treating approximately sixteen thousand eight hundred (16,768) gallons of petroleum impacted groundwater, an average daily discharge of one hundred fifty-eight (158.2) gallons from three (3) pumping wells. Although a petroleum sheen was present in the oil/water separator, no measurable free product had accumulated in the oil/water separator.

Results of the groundwater monitoring event conducted on July 9, 2008, indicate that elevated concentrations of TPH-DRO and free phase product are still present in the subsurface. The TPH-DRO concentrations in the extraction wells have increased significantly since the last groundwater sampling event conducted on December 6, 2006.

During this period of operation it was discovered that the pneumatic pumps are less effective in monitoring wells with a fluctuating water table. The pumps are designed primarily to remove the free phase product off of the top of the water table, rather than develop a large cone-of-depression by pumping. A review of the static water levels measured in MW-2, MW-4, and MW-5 show that water levels have fluctuated as much as five (5) feet in each of the wells between February 2007 and July 2008. These water level fluctuations may be due, in part, to the physical setting of the site (on the floodplain of the New River) and groundwater recharge from the uplands area. These fluctuations in the water table have had dramatic affects on extraction rates and free product removal rates, because it is difficult to keep the pumps properly positioned in the well to maximize their ability to remove the free phase product. Simon & Associates, Inc. will continue operational monitoring at the site to evaluate the affects of the treatment system on free phase product at the site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

During the period of treatment from March 24 through June 26, 2008, the pneumatic treatment system operated continuously at the site. During this period of operation over sixteen thousand seven hundred (16,768) gallons of petroleum-impacted groundwater was extracted and treated. Accumulation of free product in the oil/water separator has not yet met a measurable thickness. As of the most recent groundwater sampling event, two (2) of the six (6) monitoring wells at the site contain free phase product. Product thickness in MW-4 (0.81 feet) in July 2008 was the most ever recorded

in the well. Analytical data for the July 9, 2008, groundwater sampling event indicated that four (4) of the six (6) monitoring wells at the site exhibited increases in TPH-DRO concentrations when compared to the most recent sampling event conducted on December 6, 2006.

Because of the presence of free phase product in monitoring wells MW-2 and MW-4, corrective action endpoints have not been met; therefore, Simon & Associates, Inc. recommends that the treatment system operate for an additional quarter of treatment. All monitoring wells at the site should be gauged for static water levels and free product thickness following the quarter of treatment.

COMMONWEALTH of VIRGINIA

David K. Paylor
Director

Douglas W. Domenech
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY
Blue Ridge Regional Office
www.deq.virginia.gov

Robert J. Weld
Regional Director

Lynchburg Office
7705 Timberlake Road
Lynchburg, Virginia 24502
(434) 582-5120
Fax (434) 582-5125

Roanoke Office
3019 Peters Creek Road
Roanoke, Virginia 24019
(540) 562-6700
Fax (540) 562-6725

December 20, 2012

Mr. Leonard (Gene) Kelley
Kelley Gas & Oil Company, Inc.
1003 Locust Drive
Pearisburg, Virginia 24134

RE: Site Closure, Kelley Gas & Oil Company, Inc., Narrows, Giles County, Virginia, Fac. I.D. FC-02-0556/2-007586, PC 2006-2020A

Dear Mr. Kelly:

The staff of the Department of Environmental Quality (DEQ), Blue Ridge Regional Office has completed a review of the Corrective Action Plan Implementation Report, Sub-phase 17 submitted for the subject site by Simon & Associates, Inc. DEQ believes that the endpoint established in the Corrective Action Plan (CAP) for the referenced site has been met and no further corrective action is necessary. Based upon the available information, the State Water Control Board acting through the DEQ, as authorized by CODE Section 62.1-44.34:8 through 9 and 9VAC 25-580-10 et seq, considers this case closed.

Specifically:

1. The source of the petroleum release was eliminated.
2. Vapor phase contamination was not identified in association with the release.
3. Residual and dissolved phase contamination does not pose a risk to sensitive receptors.
4. Free phase product has not been detected on the groundwater table for over one year.
5. Free phase petroleum product has been recovered to the extent practicable and is not migrating.
6. There is no longer identifiable risk to human health and safety or the environment.

You are no longer constrained by the CAP requirements and are free to remove the remediation system and all monitoring points covered by this CAP. Should future environmental problems occur, which the DEQ determines are related to this release, additional investigation and corrective action may be required in accordance with State Law.

In order to reduce future risk to ground water at the site, all monitoring wells must be properly abandoned. Please submit an Activity Authorization Form (AAF) for site closure activities by **January 18, 2013** and a Site Closure Report by **February 18, 2013**.

Virginia Law prohibits the payment of corrective action and third party liability reimbursement claims which are filed more than two years after DEQ closes a case. All claims for this release must be received by DEQ no later than December 19, 2014 in order to be eligible for reimbursement.

Should you have any questions regarding these matters, please contact Douglas B. Carl, Remediation Specialist, at this office, (540) 562-6796.

Sincerely,

David M. Miles, C.P.G.
Ground Water Program Manager

Cc: Eric Sheetz, Simon & Assoc.s, Inc. (electronic copy: sheetzem@simonassoc.com)
Douglas Carl, DEQ-BRRO (electronic copy: douglas.carl@deq.virginia.gov)

SITE CHARACTERIZATION REPORT FOR THE FORMER KELLEY GAS & OIL BULK PLANT 120 OLD VIRGINIA AVENUE NARROWS, VIRGINIA

AST PC # 2006-2020A
FAC # FC-02-0556/2-007586

TGP: # R15292 11/1/06

SITE CHARACTERIZATION REPORT FOR THE FORMER KELLEY GAS & OIL BULK PLANT 120 OLD VIRGINIA AVENUE NARROWS, VIRGINIA

AST PC # 2006-2020A
FAC # FC-02-0556/2-007586

Submitted to:

Virginia Department of Environmental Quality
West Central Regional Office
Attention: Mr. Timothy Petrie
3019 Peters Creek Road
Roanoke, Virginia 24019

Prepared for:

Kelley Gas & Oil Company, Inc.
Attention: Mr. and Mrs. Gene Kelley
P.O. Box 414
Narrows, Virginia 24124

Prepared by:

Simon & Associates, Inc.
P.O. Box 10007
Blacksburg, Virginia 24062

Project Number - 05729-01

December 2, 2005

Note: Simon & Associates, Inc. has adopted an environmental stewardship policy of double sided printing. We apologize for any inconvenience.

TABLE OF CONTENTS

EXECUTIVE SUMMARY

The Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. Kelley Gas & Oil Company owned and operated the bulk plant since the 1950s. The facility was used throughout the years for distribution of kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road, heating oil), and gasoline. All product in the active tanks was pumped out in June 2005; no inventory was stored on-site during monitoring well installation.

A Phase II Environmental Site Assessment (ESA) was performed at the subject site in September 2005, by Simon & Associates, Inc. as part of a pending real estate transaction between Kelley Gas & Oil Company and the Rumley Oil Company. On August 29, 2005, Simon & Associates installed three (3) soil borings/monitoring wells on site to a maximum terminal depth of (50) feet.

A measurable thickness of free phase product (0.08 feet) was documented in one (1) well, MW-2, during well gauging on September 1, 2005. The product in MW-2 contained a strong diesel odor. Because of the presence of free phase product on site, the Virginia Department of Environmental Quality (VDEQ) was notified of a confirmed release at the site on September 1, 2005. Pollution Complaint number (PC#) 2006-2020A was subsequently issued for the Kelley Gas & Oil Bulk Plant.

In correspondence dated September 6, 2005, the VDEQ requested that Site Characterization Report (SCR) activities be conducted at the site, including manual free product recovery, installation of one or more monitoring wells to evaluate the extent of contamination, and performing a receptor survey to determine the presence/absence of sensitive receptors that may be at risk from the release. SCR activities were implemented by Simon & Associates, Inc. on November 3, 2005, in accordance with an Activity Authorization Form (AAF) submitted on September 30, 2005, and subsequently approved by the VDEQ on October 17, 2005.

On November 3, 2005, three (3) soil borings/monitoring wells were installed (in close proximity to MW-2) as a part of SCR activities. Residual phase petroleum constituents were below laboratory detectable concentrations in all three (3) of the soil samples submitted for analysis.

All six (6) on site monitoring wells were sampled on November 8, 2005. Detectable concentrations of dissolved phase petroleum constituents were present in five (5) of the six (6) groundwater samples submitted for analysis. MW-2, which contained free phase product during the sampling event, exhibited the most elevated dissolved phase concentrations.

MW-2 contained free phase product during well gauging on November 8 (0.53 feet) and November 15, 2005 (0.48 feet). None of the five (5) remaining monitoring wells installed at the Kelley Gas & Oil Bulk Plant site contained free phase product

during SCR well gauging. Based on the information obtained during the SCR activities, the release plume appears to be localized around MW-2.

A door-to-door receptor survey was conducted within a one thousand (1000) foot radius of the site on November 15, 2005. The receptor survey confirmed that all potential human receptors within a 1000-foot radius of the site are serviced by municipal water. Because the site is located in an area supplied by municipal water, the risk to potential human receptors from this release is considered low. The New River is located approximately seven hundred (700) feet downgradient of the site. Local surface flow at the site would move toward the river.

Simon & Associates, Inc. recommends that a Corrective Action Plan (CAP) be prepared for the site in order to treat the free and dissolved phase impact documented during SCR activities. The CAP will outline a treatment design for the Kelley Gas & Oil Bulk Plant including an initial round of five (5) weekly Aggressive Fluid and Vapor Recovery (AFVR) events to remove free phase product in MW-2. After completion of five (5) AFVR events, a site monitoring report should be submitted to the VDEQ including results of an additional post operational well sampling event. Further corrective action should be reevaluated at that time based on the results of the initial AFVR events at the site.

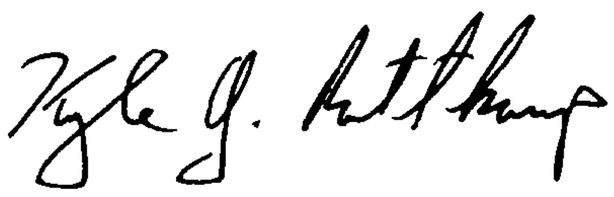
SIM&N ASSOCIATES INC
SOILS & ENVIRONMENTAL CONSULTANTS

P.O. Box 10007 • Blacksburg, VA 24062 • 540.951.4234 • 540.951.4219/fax

SIGNATURE/CERTIFICATION SHEET

I certify that I have prepared or supervised preparation of the attached report, that it has been prepared in accordance with industry standards and practices, and that the information contained herein is truthful and accurate to the best of my knowledge.

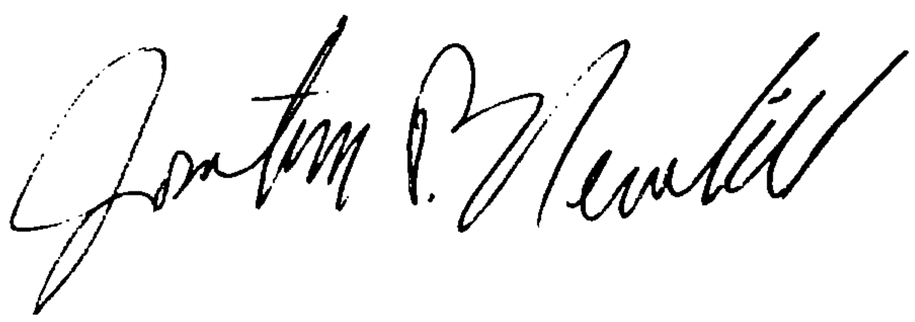
Prepared by: Kyle J. Rottkamp
Geologist

Signature: 

Reviewed and Approved by: D. Mark Allamong, CPG
Senior Geologist

Signature: 

Reviewed and Approved by: Jonathan P. Newbill
Executive Vice President

Signature: 

1.0 SITE LOCATION AND DESCRIPTION

1.1 Facility Name and Description

The Kelley Gas & Oil Bulk Plant is located at 120 Virginia Avenue in the Town of Narrows, Giles County, Virginia. Kelley Gas & Oil Company owned and operated the bulk plant since the 1950s. The facility was used throughout the years for distribution of kerosene, low sulfur diesel (on-road), high sulfur diesel fuel (off-road and heating oil), and gasoline. A section of the Narrows, VA, United States Geological Survey (USGS) topographic quadrangle showing the site location is included as Figure 1 (Appendix A). All product in the active tanks was pumped out in June 2005 prior to a sale of the property; no inventory was stored on-site during monitoring well installation.

The site contains seven (7) above ground storage tanks (ASTs) totaling one hundred twenty-eight thousand (128,000) gallons of storage capacity. Three (3) vertical 20,000-gallon tanks, used to store kerosene, low sulfur diesel, and high sulfur diesel, were active until June 2005. Four (4) ASTs, previously containing different grades of gasoline (two (2) 20,000-gallon, one (1) 18,000-gallon, and one (1) 10,000-gallon), were cleaned, locked, and placed out of service in the early 1990s. All of the tanks are located within a common earthen containment dike. A pump station for offloading is located at the west end of the containment area. Delivery trucks were loaded through a separate loading rack area. Overflow drains are present in the vicinity of the loading rack area and pump station. All surface runoff from the fuel storage area runs though a subsurface oil/water separator prior to discharge. The site was recently sold to Rumley Oil Company of Oakvale, West Virginia, and is anticipated to be returned to active fuel storage and bulk plant operation in the near future.

poss. GW source?

1.2 Background

In February 1993, three (3) leak detection vapor monitoring wells were installed at the subject site by Simon & Associates, Inc. Auger refusal was encountered at twenty (20) feet in all three wells. Groundwater was not present in these wells at the time of drilling. No petroleum odor was noted during installation of the wells.

A Phase II Environmental Site Assessment (ESA) was performed at the subject site in September 2005, by Simon & Associates, Inc. as part of a pending real estate transaction between Kelley Gas & Oil Company and the Rumley Oil Company. Kelley Gas & Oil contracted Simon & Associates, Inc. to assess the potential impact to the subsurface at the subject site prior to completing the sale. Simon & Associates, Inc. conducted a records search at the Virginia Department of Environmental Quality (VDEQ) West Central Regional Office on August 23, 2005. The search revealed no record of any releases or significant problems at the site.

On August 29, 2005, Simon & Associates, Inc. installed and sampled three (3) soil borings/monitoring wells (designated "SB-A/MW-1," "SB-B/MW-2," and "SB-C/MW-3") at the bulk plant. A measurable thickness of free phase product (0.08 feet) was documented in MW-2 during well gauging on September 1, 2005 (Table 1, Appendix B). The product in MW-2 contained a strong diesel odor. Groundwater

samples from MW-2 exceeded the dissolved phase Virginia Department of Environmental Quality (VDEQ) "reportable" levels of one (1.0) milligram per liter (mg L^{-1}) for both total petroleum hydrocarbons-gasoline range organics (TPH-GRO) and total petroleum hydrocarbons- diesel range organics (TPH-DRO) (Table 2, Appendix B). MW-1 was above the one (1.0) mg L^{-1} reportable limit for TPH-DRO only. Because of the presence of free phase product on site, the VDEQ was notified of a confirmed release at the site on September 1, 2005. Pollution Complaint Number (PC#) 2006-2020A was subsequently issued for the Kelley Gas & Oil Bulk Plant. The Phase II ESA report recommended that additional site assessment activities be conducted at the Kelley Gas & Oil Bulk Plant to delineate the extent of the petroleum impact.

In correspondence dated September 6, 2005, the VDEQ requested that Site Characterization Report (SCR) activities be conducted at the site. These activities were to include manual free product recovery, installation of one or more monitoring wells to evaluate the extent of contamination, and completion of a receptor survey to determine the presence/absence of sensitive receptors that may be at risk from the release. SCR activities were implemented by Simon & Associates, Inc. on November 3, 2005, in accordance with an Activity Authorization Form (AAF) submitted on September 30, 2005, and subsequently approved by the VDEQ on October 17, 2005.

2.0 SITE CHARACTERIZATION ACTIVITIES

2.1 Geology and Soils

The site is located in the Valley and Ridge physiographic province. Based on a review of the Geologic Map of Virginia (Virginia Division of Mineral Resources, 1993), the upper Cambrian/lower Ordovician-aged Knox Group underlies the site. The Knox Group is comprised of dolomite, limestone, and sandstone.

The dolomites are typically light to medium gray, very fine to fine grained, locally with pink streaks in the upper part and very light to dark gray and brownish-gray, medium to coarse grained, locally argillaceous dolomite near the base of the unit. Greenish-gray shale partings are locally present, with chert in abundance in some parts of the unit. The limestone is blue-gray to dark blue-gray, very fine to coarse grained and locally sandy. Sandstone constituents are gray to brown, fine to medium grained. Limestone is dominant in the eastern thrust belts.

The Knox Group ranges from 2000 feet in thickness in southwestern Virginia to 3650 feet in thickness to the east in Washington County. The Knox Group includes the Mascot, Kingsport, Chepultepec, and Copper Ridge Dolomites, and the Maynardsville Formation.

Geomorphologically, the site is situated on a lower terrace of the New River; therefore, the unconsolidated material overlying the bedrock is alluvium. This is supported by the presence of sandstone and limestone cobble layers in a matrix of poorly developed silty clays observed during drilling activities at the site. One (1) to three (3) foot thick cobble layers were documented in varying depths in each borehole prior to

contact with the shallow limestone-dolomite bedrock. Bedrock was encountered at depths ranging from thirteen (13) feet to twenty-nine (29) feet.

2.2 Surface Hydrology

According to the Narrows, VA, USGS 7.5-minute topographic quadrangle (Figure 1, Appendix A), the site is situated approximately seven hundred (700) feet upgradient from the New River. Locally, surface water runoff moves towards the river. Heavy flow from the site would encounter drainage controls along U.S. Route 460 (Virginia Avenue) and eventually be routed to the New River.

2.3 Methods of Investigation

2.3.1 Soils

On November 3, 2005, Simon & Associates, Inc. installed three (3) soil borings (designated "SB-D", "SB-E", and "SB-F") to auger refusal at terminal depths ranging between twelve and one- half (12.5) to seventeen (17) feet. The soil borings were installed with a Simco 2800 drill rig using 4.25-inch hollow stem augers (HSAs) and a 2-inch split spoon sampler. "Miss Utility of Virginia" was notified to ensure that all underground utilities were located and marked prior to site activities. All three (3) borings were placed in relatively close proximity to MW-2 to evaluate the extent of the contamination. Boring locations are shown on Figure 2 (Appendix A). The workplan developed for the SCR investigation is included as Appendix C.

Two (2) foot long split spoon soil samples were collected at five (5) foot intervals in accordance with the American Society for Testing Materials (ASTM) Designation D 1586-84 "Standard Test Method for Penetration Test and Split Barrel Sampling of Soils". The soil samples were classified using Unified Soil Classification System field descriptions as a guide and Munsell® Soil Color Charts. Boring logs generated during drilling activities are presented in Appendix C.

Each sample interval was split longitudinally and a portion of the sample placed in a glass jar. The top of this jar was covered in aluminum foil and the lid secured. The sample was allowed to reach ambient air temperature and the headspace was then screened for volatile organic compounds (VOCs) using a MiniRAE 2000 Photoionization Detector (PID). PID values are shown on the bore logs presented in Appendix D.

The one (1) soil sample exhibiting the highest VOC reading from each boring was placed into a clean, labeled, sample container (provided by the laboratory) and placed into an ice cooler for preservation in the field. The soil samples were submitted to REI Consultants (REIC) of Beaver, West Virginia, for analysis for TPH-GRO and TPH-DRO by Environmental Protection Agency (EPA) Method 8015B. All soil cuttings generated during boring/well installation were spread on-site.

All non-expendable sampling equipment used during soil sampling was decontaminated between borings using either a high-pressure hot water cleaner or Liquinox® critical cleaning detergent to prevent the possibility of cross-contamination.

The individual performing the sampling wore disposable latex gloves during sampling to limit the potential for sample contamination.

2.3.2 Groundwater

Following completion of soil sampling collection, soil borings SB-D, SB-E, and SB-F were converted to groundwater monitoring wells (designated "MW-4", "MW-5", and "MW-6", respectively). Air rotary methodology was used to advance each of the borings to a terminal depth of forty-five (45) feet. A 2-inch diameter polyvinyl chloride (PVC) casing, consisting of a length of slotted (0.01-inch slot) screen flush-threaded with a solid riser, was inserted into each boring. The annular space surrounding the well screen was packed with medium grained sand. The top of the sand pack, terminated at an elevation approximately one (1) foot above the bottom of the PVC casing, was topped with a minimum of one (1) foot of bentonite seal. The remaining annular space was filled with a non-shrink non-stain grout. Well completion diagrams are presented in Appendix D. An expanding, lockable well cap was placed on each monitoring well. An eight (8) inch steel manhole was installed around each wellhead, and an approximately 6-inch thick, two (2) foot by two (2) foot square concrete pad was installed around the manhole.

Prior to purging or sampling, static water levels and free phase product thickness (if present) were measured in all three (3) wells using a Heron Instruments model H.01L oil/water interface probe. The groundwater samples were submitted to REIC for analysis for TPH-GRO and TPH-DRO by EPA Method 8015B, and benzene, toluene, ethylbenzene, total xylenes (BTEX), Methyl tertiary Butyl Ether (MtBE), and naphthalene by EPA Method 8021B, and polynuclear aromatic hydrocarbons (PAH) by EPA Method 8270C. REIC encountered an internal problem during the TPH-DRO analysis of the water samples, resulting in the need to collect additional samples for that parameter. MW-5 and MW-6 needed to be resampled on November 15, 2005, in conjunction with other site activities. Neither the client nor the VDEQ tank fund will be billed for these two (2) additional lab samples.

A land surveyor, licensed by the Commonwealth of Virginia, established the vertical and horizontal control for all soil borings/monitoring wells installed during site activities to allow for accurate delineation of the petroleum-impacted area relative to pertinent site features.

2.4 Investigative Findings and Discussion

2.4.1 Soils

A summary of the laboratory analytical results for the soil samples submitted for analysis is presented in Table 3 (Appendix B). A copy of the REIC laboratory reports is included in Appendix E. Based on Table 3 (Appendix B), no detectable concentrations of TPH-DRO or TPH-GRO were present in the three (3) of the soil samples submitted for analysis.

2.4.2 Groundwater

2.4.2.1 Groundwater Gradient

Static water levels were measured in all monitoring wells on November 8, 2005 and on November 15, 2005 (Table 1, Appendix B). The static water levels collected on November 8, 2005, were used to develop a potentiometric surface map of the site (Figure 3, Appendix A) and to determine the volume of water to be purged from the wells prior to sample collection.

The hydraulic gradient of the site was calculated from the November 8, 2005, potentiometric surface map using the three-point method and the water level elevations in MW-1, MW-3, and MW-4. An average gradient of 0.004 to the west was calculated for the site.

2.4.2.2 Free Phase Product

MW-2 contained free phase product during well gauging on November 8 (0.53 feet) and November 15, 2005 (0.48 feet). The free product contained a strong diesel odor and was un-dyed. No other well contained free phase product during any of the well monitoring events conducted during SCR activities. MW-4 and MW-5 contained a slight petroleum odor during well sampling.

On November 18, 2005, manual free phase product recovery was conducted to remove free phase product and petroleum-impacted water from MW-2 using a disposable polyethylene bailer. All free phase product and water removed from the well was contained in a steel 55-gallon drum left on site for future bailing events. Approximately fifteen (15) gallons of free phase product and water was removed from MW-2 on November 18, 2005. Free phase product thickness was reduced to a heavy sheen immediately following the manual bailing.

2.4.2.3 Groundwater Analysis (Dissolved Phase)

A summary of the laboratory analytical results for the six (6) groundwater samples collected is presented in Table 2 (Appendix B). A copy of the REIC laboratory reports is included as Appendix E. Based on the data shown in Table 2, detectable concentrations of dissolved phase petroleum constituents were present in five (5) of the six (6) groundwater samples submitted for analysis.

MW-2, which contained free phase product during November 2005 monitoring event, exhibited elevated concentrations of TPH-DRO (765 mg L^{-1}) and TPH-GRO (2.78 mg L^{-1}). MW-2 also contained detectable concentrations of EPA Method 8021B compounds BTEX and naphthalene, and the polynuclear aromatics hydrocarbons fluorene, phenanthrene, and naphthalene by EPA Method 8270.

MW-1, MW-4, and MW-5 contained TPH-DRO concentrations of 3.31 mg L^{-1}, 14.6 mg L^{-1}, and 1.72 mg L^{-1}, respectively. Measurable concentrations of BTEX and naphthalene were also present in these three (3) wells. MW-3, located approximately sixty-five (65) feet hydrologically downgradient of the release, contained no detectable

concentrations of any target parameter. With the exception of naphthalene, none of the other groundwater samples submitted for analysis during SCR activities contained detectable concentrations of polynuclear aromatic hydrocarbons. MtBE, a gasoline additive, was not detected in any of the six (6) well samples submitted for analysis.

An isoconcentration map showing the distribution of diesel range organics in the monitoring wells on site is presented as Figure 4 (Appendix A). A TPH-DRO isoconcentration map was created because diesel range constituents are the predominant contaminants present at the site.

2.4.2.4 Aquifer Characteristics

Falling head (slug-in) aquifer tests were performed on MW-1, MW-3, MW-4, MW-5, and MW-6 on November 15, 2005. A slug-in test was not performed on MW-2 because of the presence of free product in the well. Solinst Levelogger™ Model 3001 pressure transducers were lowered into the water column to record water level changes during the test. A one (1) to two (2) gallon slug of deionized water was "instantaneously" added to the each of the wells to initiate the tests. The transducers remained in the wells to record water table data for approximately one (1) hour after the addition of the slug.

The slug tests were analyzed using the Bouwer and Rice method (H. Bouwer, 1989. Ground Water Vol. 27, No. 3, pp. 304-309) using AQTESOLV® for Windows computer software with the assumption of the aquifer thickness being the same as the thickness of the water column in the well. AQTESOLV® computer printouts are included as Appendix F. The hydraulic conductivity (K) and the average seepage (interstitial) velocity values are presented in Table 4 (Appendix B).

Based on the data presented in Table 4, the K values ranged from 0.002 feet per day (ft day^{-1}) in MW-6 to 0.044 ft day^{-1} in MW-1. These values represent a moderate hydraulic conductivity typical of sediments composed mainly of silt and silty clay. Rock types associated with these hydraulic conductivity values are fractured carbonate rocks and fractured to semi-consolidated sandstones. Water-bearing zones documented during drilling appeared to be well below the soil-bedrock interface in fracture zones of the limestone bedrock.

The average seepage velocity for the monitoring wells evaluated during the study was 0.001 ft day^{-1}. This was based on an average K value of 0.021 ft day^{-1}, an average gradient of 0.004, and an assumed porosity value of 0.4.

3.0 RISK ASSESSMENT

3.1 Demographics of the Area

The Kelley Gas & Oil Bulk Plant is located on commercial property in the Town of Narrows, Virginia. The area in closest proximity to the site is mainly commercial

properties, surrounded by residential housing. There is no evidence of any other fuel storage facilities located within the receptor survey radius.

3.2 Impacted and Potentially Impacted Receptors

A door-to-door receptor survey was conducted within a one thousand (1000) foot radius of the site on November 15, 2005 (Figure 5, Appendix A). An aerial photograph of the site and surrounding area showing the locations of the receptors identified during the survey is included as Figure 6 (Appendix A). A list of the potential receptors identified by the receptor survey is included in Table 5 (Appendix B). The receptor survey confirmed that all potential human receptors within a 1000-foot radius of the site are serviced by municipal water.

3.2.1 Impacted Human Receptors

There are no impacted human receptors identified within the receptor survey radius.

3.2.2 Potentially Impacted Human Receptor

Because the site is located in an area supplied by municipal water, the risk to potential human receptors is low. A list of the commercial and residential properties identified during the receptor survey is included in Table 5 (Appendix B). All residences and business surveyed had water meters located on the property or adjacent to the street.

3.2.3 Impacted Non-Human Receptors

There are no impacted non-human receptors identified within the receptor survey radius.

3.2.4 Potentially-Impacted Non-Human Receptors

The New River is located approximately seven hundred (700) feet downgradient of the site. Local surface flow at the site would move toward the river. Heavy flow from the site would encounter drainage controls along US Route 460 (Virginia Avenue) and eventually be routed to the New River.

Because of the depth to groundwater, it is very unlikely that the storm sewer would be impacted by the release. In addition, all surface water runoff from the fuel storage area passes though a subsurface oil/water separator prior to discharge. The majority of the subsurface utilities in the vicinity of the site are located along Old Virginia Avenue, less than one hundred (100) feet from MW-2, which contains the free phase product. The monitoring well nearest the subsurface utilities, MW-3, exhibited very little dissolved phase impact. MW-3 is located approximately forty (40) feet from the potentially impacted storm sewer and subsurface utilities that could act as preferential pathways for migration.

4.0 IN SITU MASS ESTIMATION

In-situ mass calculations are based on the laboratory analytical data obtained from soil and water samples collected during the various investigative activities, in addition to

initial free product measurements collected during site monitoring activities. Residual, dissolved, and free phase impact is present at the Kelley Gas & Oil Bulk Plant. Only diesel constituents were used in this in situ calculation because diesel was the only constituent known to be released at the site. No gasoline free phase product has been documented as having been released at the subject site. Each phase of impact was calculated separately as outlined below.

4.1 Residual Phase

To calculate the residual phase in-situ mass at the site, one area was used as the "smear zone area of impact" (Figure 7, Appendix A). Only one area was necessary because of the low residual phase concentrations documented at the site; the majority of the soil samples were submitted from just above the soil-bedrock interface and were returned below laboratory detection limits. Area 1 was estimated as seven (7) feet by twenty-one (21) feet located in the vicinity of MW-2. All residual phase estimations were calculated using TPH-DRO concentrations from soil samples collected on August 29 and November 3, 2005. The assumptions made for this evaluation are very broad. The soil saturation value assumed for the calculation was ten (10) percent of pore space. The laboratory analytical results for the soil samples collected during SCR and Phase II activities indicate that low concentrations of residual phase diesel-range constituents are present in the vicinity of MW-2.

4.2 Dissolved Phase

In-situ mass calculations were performed using the Surfer 8 computer software to define the distribution of dissolved phase TPH-DRO at the site using laboratory analytical results for groundwater samples collected on November 15, 2005 (Figure 8, Appendix A). Four (4) separate areas of TPH-DRO concentration were delineated by the Surfer program and used to estimate dissolved phase diesel constituents remaining in the subsurface at the site. The information developed by Surfer was imported into AutoCAD and the area of each of the four (4) zones was calculated.

4.3 Free Phase

Free product mass was estimated using the November 8, 2005, static water levels using average thickness of free phase product as measured prior to manual free product recovery at the site. An estimated area of smear zone impact was used representing the area around MW-2 during the November 2005 monitoring events.

4.4 Findings

The in-situ product calculations for the site are presented in Appendix G. The nature and amount of petroleum released throughout the years of operation is unknown, but based on the calculations, Simon & Associates, Inc. estimates that approximately one hundred sixteen (116.14) gallons, or seven hundred and sixteen (716.57) pounds, were released at the site prior to the beginning of remedial activities at the site. This is likely an overestimation because the mass of product removed through biodegradation cannot be quantified.

AREA of impact

5.0 REMEDIATION ASSESSMENT

The primary purpose of the remediation assessment is to evaluate the potential for remediation at the site and the applicability of potentially appropriate remedial technologies. A description of, and conceptual design for each potential remedial alternative, including an estimated time frame for implementation and duration of the remedial alternative to achieve the risk-based endpoints, is provided in separate subsections, below.

The findings of the SCR study indicate that residual, dissolved, and free phase petroleum constituents were detected on-site. The presence of significant measurable (approximately six (6) inches) free phase product in MW-2 will require an aggressive remediation strategy to reduce and ultimately remove free product from the site. Given the clay soil type and the moderate depth to groundwater, remediation of the site is feasible.

5.1 Endpoints

5.1.1 Free Phase (Groundwater)

Because free product is present on-site, the remediation endpoints, as mandated by VDEQ and EPA regulations, must be below measurable thickness (<0.01 feet).

5.1.2 Dissolved Phase (Groundwater)

Dissolved phase endpoints are not recommended for the site because there are no documented cases of any sensitive receptors being impacted by the release. All receptors within the receptor survey radius were supplied by municipal water; no private supply wells are at risk. A review of the potentiometric map of the site and the location of surface utilities well downgradient from the release indicate little risk to the potential non-human receptors (storm sewers) located parallel to Old Virginia Avenue.

5.1.3 Residual Phase

No residual phase endpoints are recommended because no identified receptors have the potential to come in contact with the petroleum-impacted soils.

5.1.4 Vapor Phase

No vapor hazard has been identified at the site; no nearby buildings or storm sewer inlets were documented as likely to be impacted from the release.

5.2 Assessment of Remediation Approaches

Given the site conditions, the following remediation methods could be considered as options for petroleum-impacted soils and groundwater. A short discussion of the options most appropriate for the Kelley Gas & Oil Bulk Plant is provided below.

5.2.1 Site Closure

Site closure with no further action would rely upon natural attenuation to remediate the petroleum contamination. Natural attenuation is a slow remedial process;

and given the presence of free product in one (1) groundwater monitoring well on-site, this is not a viable option.

5.2.2 Air Sparging/ Soil Vapor Extraction/ Bioventing

Air sparging involves the introduction of air into the groundwater column in a well to enhance volatilization and biodegradation of the petroleum constituents. Air is injected into the aquifer that is under pressure greater than that of the water depth to force air through the contaminated aquifer. Air sparging can be an efficient and cost effective technology; however, it does present limitations such as a low radius of influence and limited ability to treat dissolved phase impact and little, if any, influence on free phase. Because of these limitations, air sparging is not the recommended remedial alternative for this site.

Soil vapor extraction (SVE) and bioventing are two (2) technologies that enhance volatilization and/or biodegradation by increasing the air movement in the subsurface. SVE involves pulling air out of subsurface; bioventing moves air into the subsurface.

Any of the above technologies can be accomplished by installing a regenerative blower on selected monitoring wells. Although removal of the petroleum constituents in the vadose zone can be achieved, this technology alone does not depress the water table, nor does it remove significant amounts of free phase product; therefore, this methodology is not recommended for this site at this time.

5.2.3 Pump and Treat

Pump and treat technology removes water from the aquifer by the use of pumps in groundwater monitoring wells. Groundwater extracted from the wells is then subjected to the appropriate treatment. The objective is to create a new flow pattern of the water in the aquifer, thereby controlling the contaminant plume. Although pump and treat methodology can be effective in removal of constituents from the groundwater, it does not effectively treat the "smear" zone which is critical in the remediation of petroleum-impacted sites.

One option to consider is using a combination of pump and treat technology with soil vapor extraction using a regenerative blower in several of the monitoring wells to enhance aeration of the aquifer and remove vapor phase constituents concurrent with the dissolved phase. This combination of technologies is similar to that of the dual phase extraction (DPE) system and could be applicable for this site; however, the 2-inch diameter groundwater monitoring wells may have to be replaced with larger diameter wells to permit the installation of an appropriate sized pump. A pump test on the existing wells would be required to determine if larger wells are needed. This could be conducted in conjunction with a pilot study to evaluate the amount of residual phase removed by soil vapor extraction at the site.

5.2.4 High Vacuum Groundwater and Soil Vapor Extraction

High vacuum groundwater and soil vapor extraction can be accomplished by several methods and can be used in conjunction with various treatment technologies.

Two (2) methods will be discussed, Aggressive Fluid and Vapor Recovery (AFVR) using a vacuum truck and Multi Phase Extraction (MPE) using liquid ring pump system.

AFVR Events

AFVR events provide high vacuum soil vapor and groundwater extraction and often result in high recovery of vapor phase and dissolved phase product from the selected wells. However, because AFVR events are operated as a series of short (typically 8-hour) intervals, it does not allow for creation of a sustained "cone-of-depression" to capture and control the petroleum plume for long-term remediation of the site. Given the low hydraulic conductivity values for the site as calculated by slug testing and the low dissolved phase distribution in wells located farther away from the source of the plume, free phase and dissolved phase impact may be localized around MW-2. Several AFVR events may be sufficient to remove free phase product from the site and to progress this site to closure

As many as ten (10) or more AFVR events could be required at a site similar to Kelley Gas & Oil Bulk Plant to reduce free product to below measurable levels. Free product and petroleum-impacted water generated during each event requires proper disposal.

LRP Technology

The LRP technology utilizes a high vacuum pump (vacuums ranging from 15 to 26 inches of mercury) to apply a vacuum to selected monitoring (extraction) wells. The vacuum draws water from the bottom of the well, thereby depressing the water table while simultaneously providing a relatively high hydraulic gradient to draw the water to the extraction well. The vacuum results in soil gas being drawn into the well, which in turn increases soil aeration and volatilization of volatile organic compounds. The increased soil aeration increases the soil oxygen content, which typically enhances in situ biodegradation of residual petroleum compounds.

Water and vapor extracted from the monitoring wells flows through the liquid ring pump. Upon exiting the pump, the water and air phases are separated. Most of the product extracted is emitted from the air/water separator to the atmosphere at levels exempt from requirements for a VDEQ air discharge permit. The relatively high ratio of vapor phase emission versus dissolved phase emission is believed to be part of the volatilization of dissolved phase product while it is in the vacuum line and moving through the warm environment of the liquid ring pump.

Water emitted from the pump is pretreated with an air sparging/activated sludge system prior to discharge. This pretreatment results in the removal of dissolved phase constituents to levels below VDEQ stream discharge standards.

Given the low residual and dissolved phase concentrations across the site, LRP technology may not be necessary to meet VDEQ endpoints as recommended in this report. Simon & Associates, Inc. recommends an initial round of five (5) weekly Aggressive Fluid and Vapor Recovery events to remove free phase product in MW-2 and

to reduce dissolved phase concentrations at the site. After completion of five (5) AFVR events, a site monitoring report should be submitted to the VDEQ including results of an additional post operational well sampling event. Further corrective action should be reevaluated at that time based on the results of the initial AFVR events at the site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information and data obtained during SCR activities at the Kelley Gas & Oil Bulk Plant, the following conclusions are presented:

- Three (3) soil borings/monitoring wells were installed on November 3, 2005, in close proximity to MW-2. MW-2 contained a measurable thickness of free phase product after installation during a previous Phase II Environmental Site Investigation at the site conducted in September 2005.
- Residual phase petroleum constituents were below laboratory detectable concentrations in all three (3) of the soil samples submitted for analysis.
- All six (6) on site monitoring wells were sampled on November 8, 2005. Measurable concentrations of dissolved phase petroleum constituents were present in five (5) of the six (6) groundwater samples submitted for analysis.
- MW-2, which contained free phase product during the November 2005 sampling, exhibited the most elevated dissolved phase concentrations. MW-2 contained concentrations of TPH-DRO (765 mg L^{-1}) and TPH-GRO (2.78 mg L^{-1}), total BTEX (1.02 mg L^{-1}) and naphthalene (1.29 mg L^{-1}).
- MW-2 contained free phase product during well gauging on November 8 (0.53 feet) and November 15, 2005 (0.48 feet). None of the remaining five (5) monitoring wells installed at the Kelley Gas & Oil Bulk Plant site contained free phase product.
- A door-to-door receptor survey was conducted within a one thousand (1000) foot radius of the site on August 11, 2005. The receptor survey confirmed that all potential human receptors within a 1000-foot radius of the site are serviced by municipal water. Because the site is located in an area supplied by municipal water, the risk to potential human receptors from this release is considered low.
- The average seepage velocity calculated for the monitoring wells evaluated during the slug test analysis study was 0.001 ft day^{-1}.

Based on the observations and findings of the SCR activities, Simon & Associates, Inc. recommends that a Corrective Action Plan (CAP) be prepared for the site in order to treat the free and dissolved phase impact documented during SCR activities. The CAP will outline a treatment design for the Kelley Gas & Oil Bulk Plant including an initial round of five (5) weekly Aggressive Fluid and Vapor Recovery (AFVR) events to remove free phase product in MW-2. After completion of five (5) AFVR events, a site monitoring report should be submitted to the VDEQ including results of an additional post operational well sampling event. Further corrective action should be reevaluated at that time based on the results of the initial AFVR events at the site.

Contact Us

Roy Spencer

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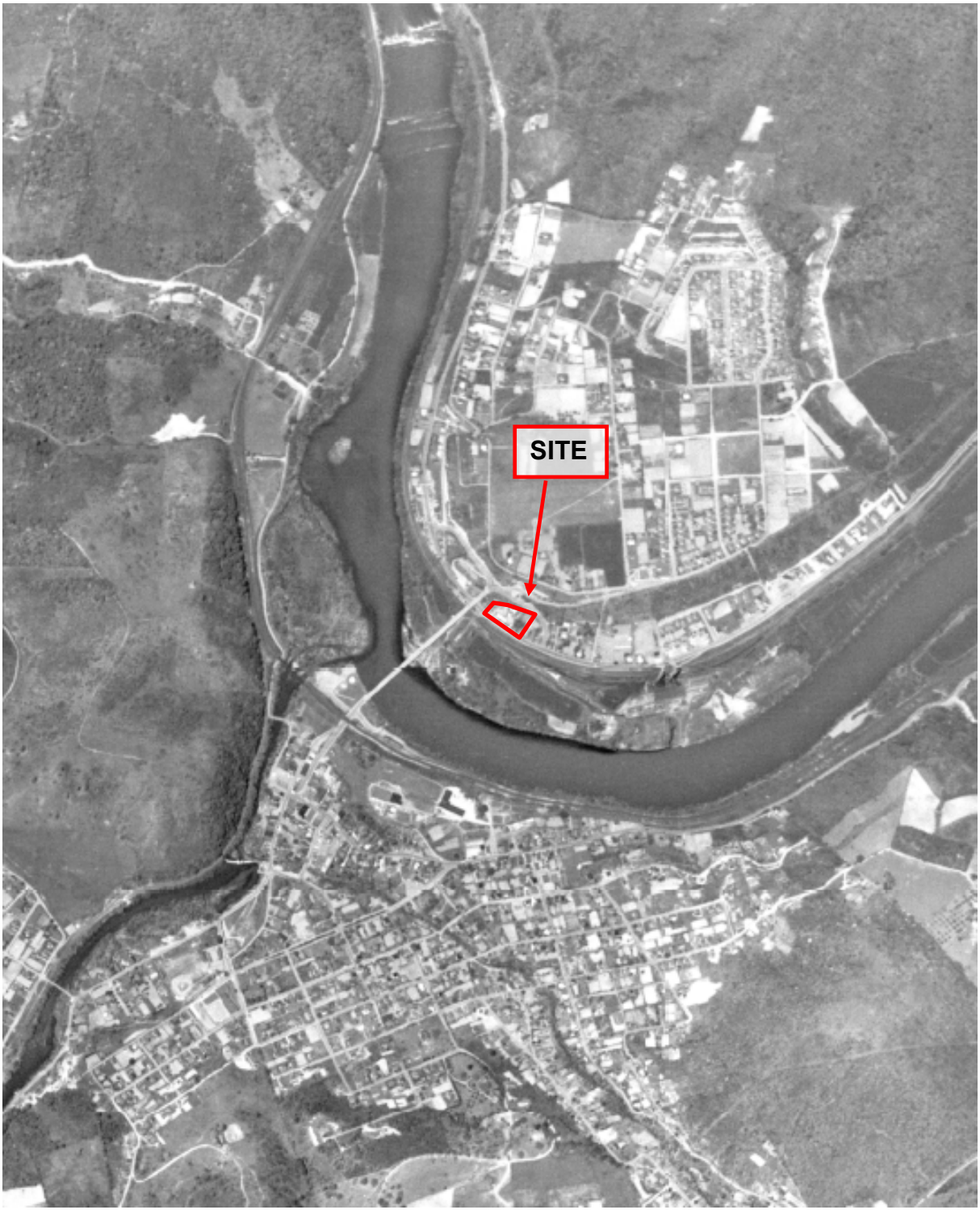
rspencer@aec-env.com

I am requesting any information your agency has in regards to underground or above ground storage tanks; chemical spills or releases; hazardous material storage or spills; or any other environmental concerns associated with 120 Old Virginia Avenue, Narrows, VA.

APPENDIX F

HISTORICAL RESEARCH DOCUMENTATION/MAPS



= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1956
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

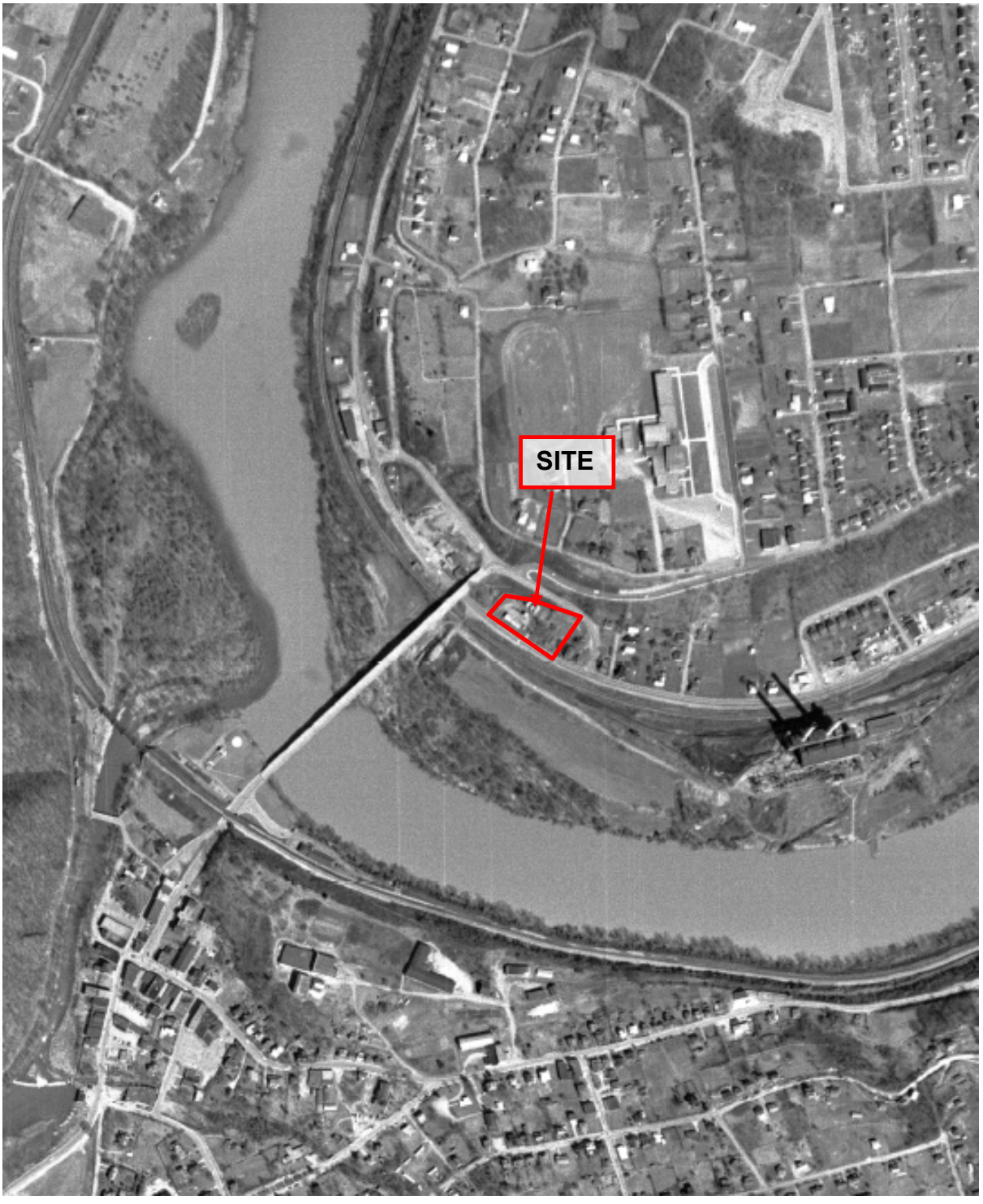
AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1960
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

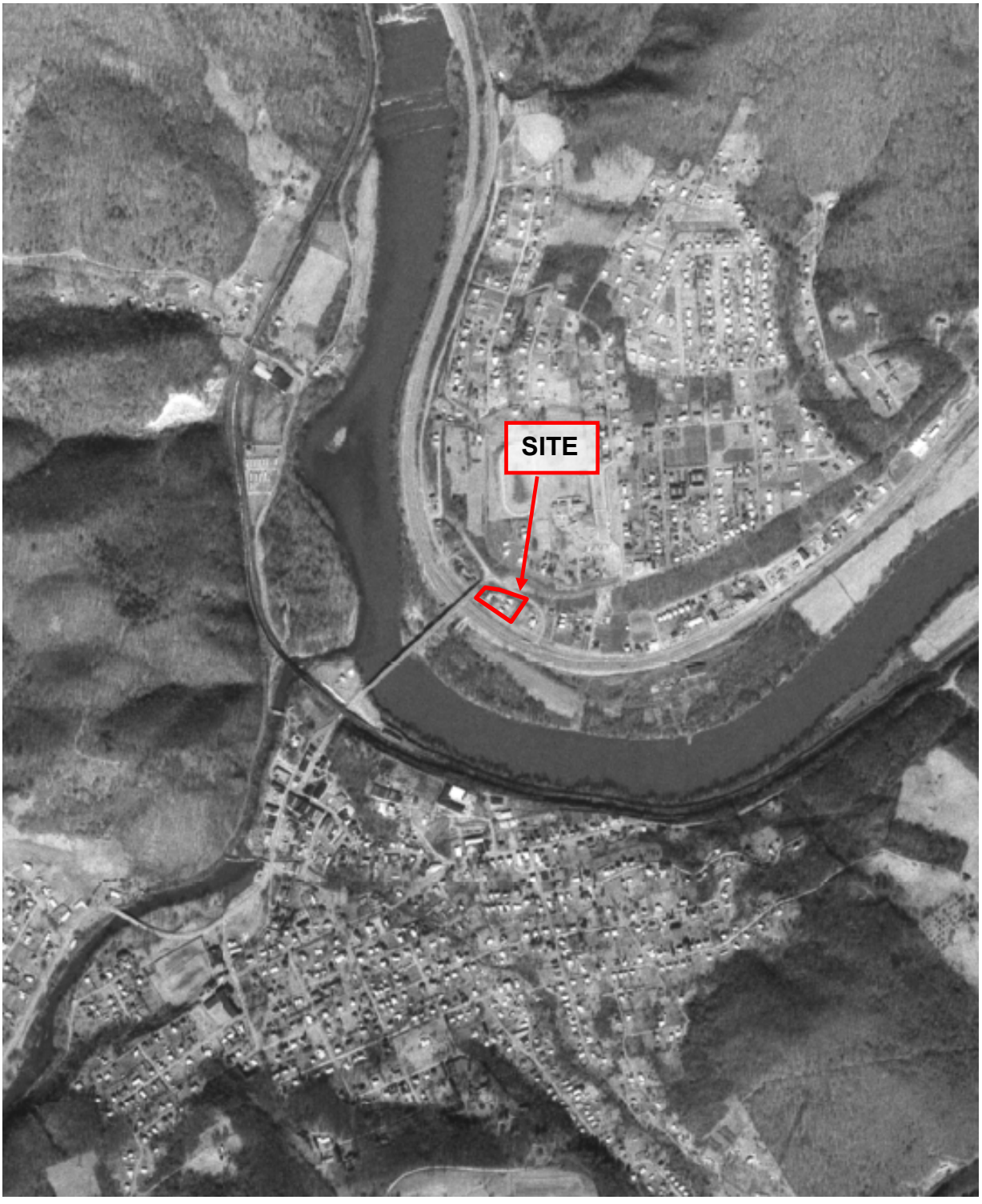


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1963
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS



= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1976
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1982
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1990
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

AEC Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1991
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1996
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1998
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

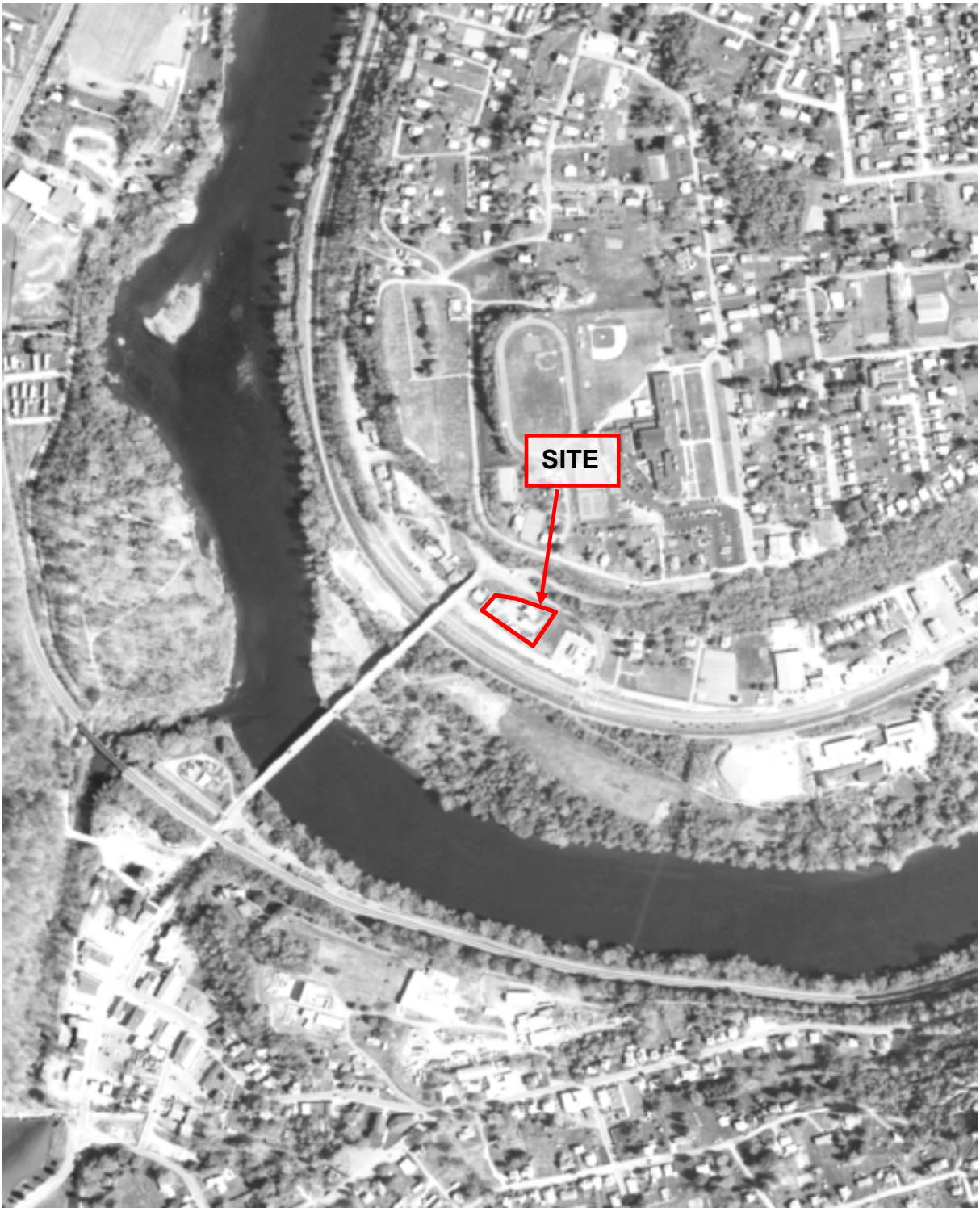
AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

= Site Boundary (approximate)

AEC Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 1999
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

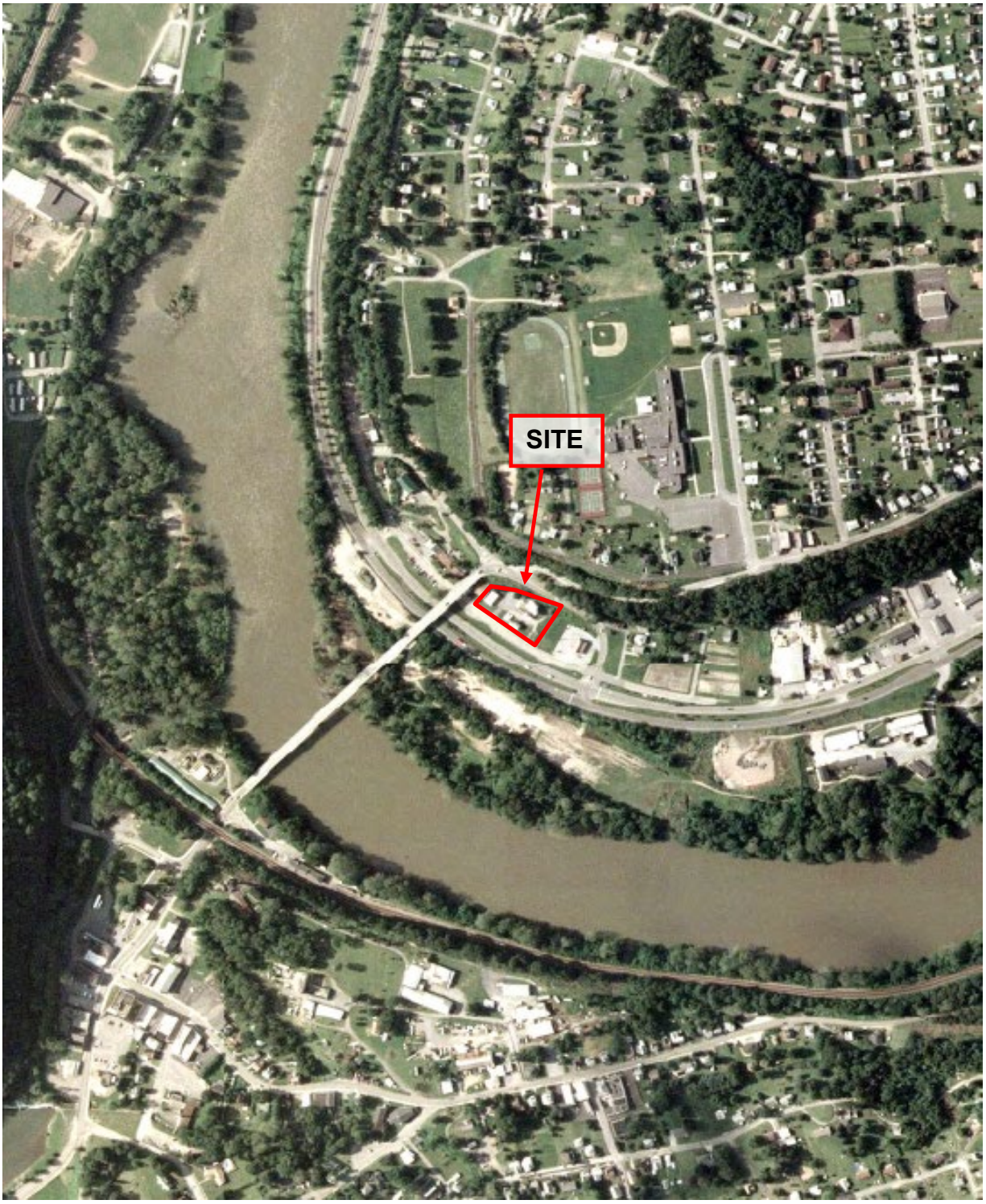


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2001
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

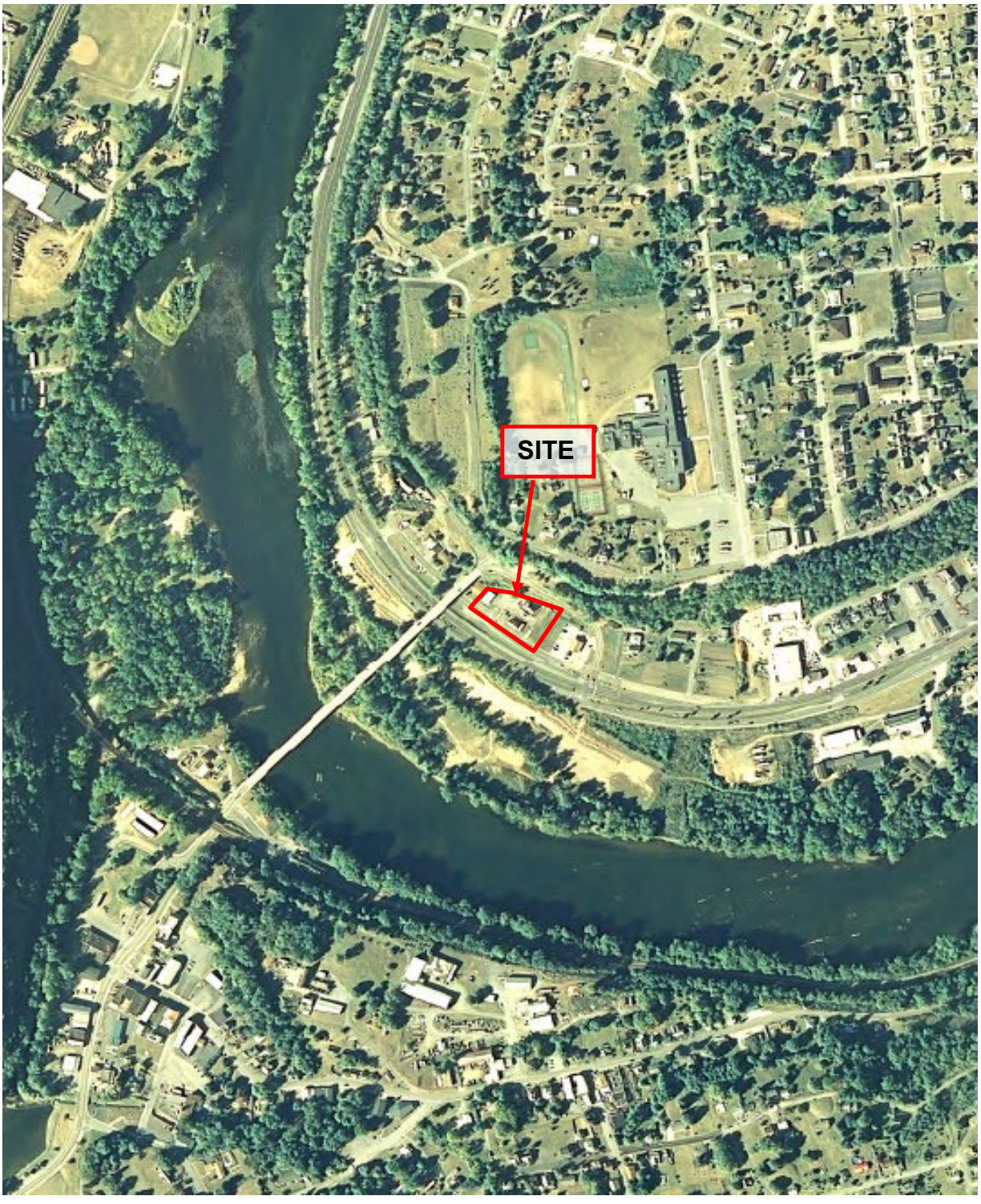


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2003
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

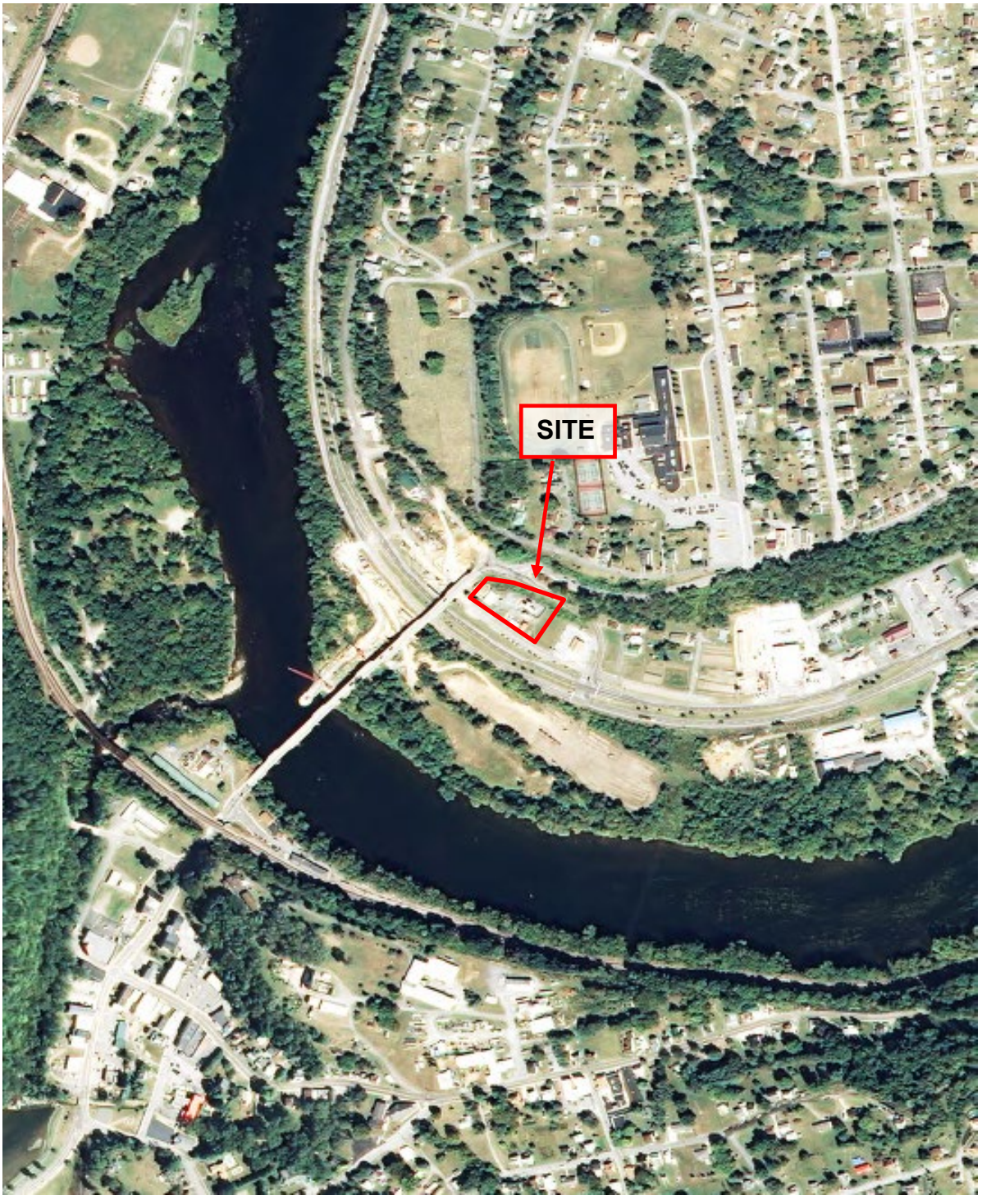


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2007
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

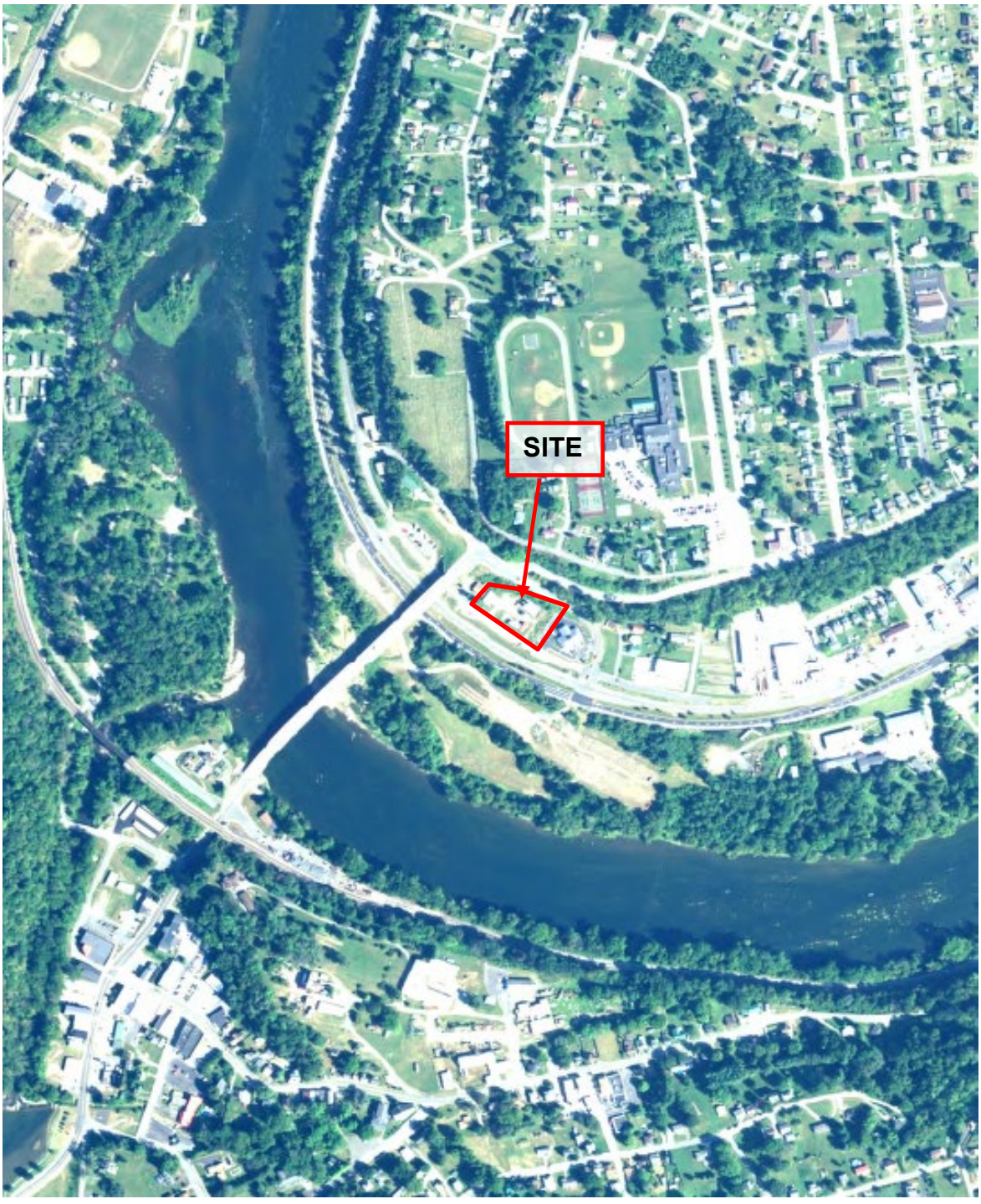


= Site Boundary (approximate)

AEC Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2012
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

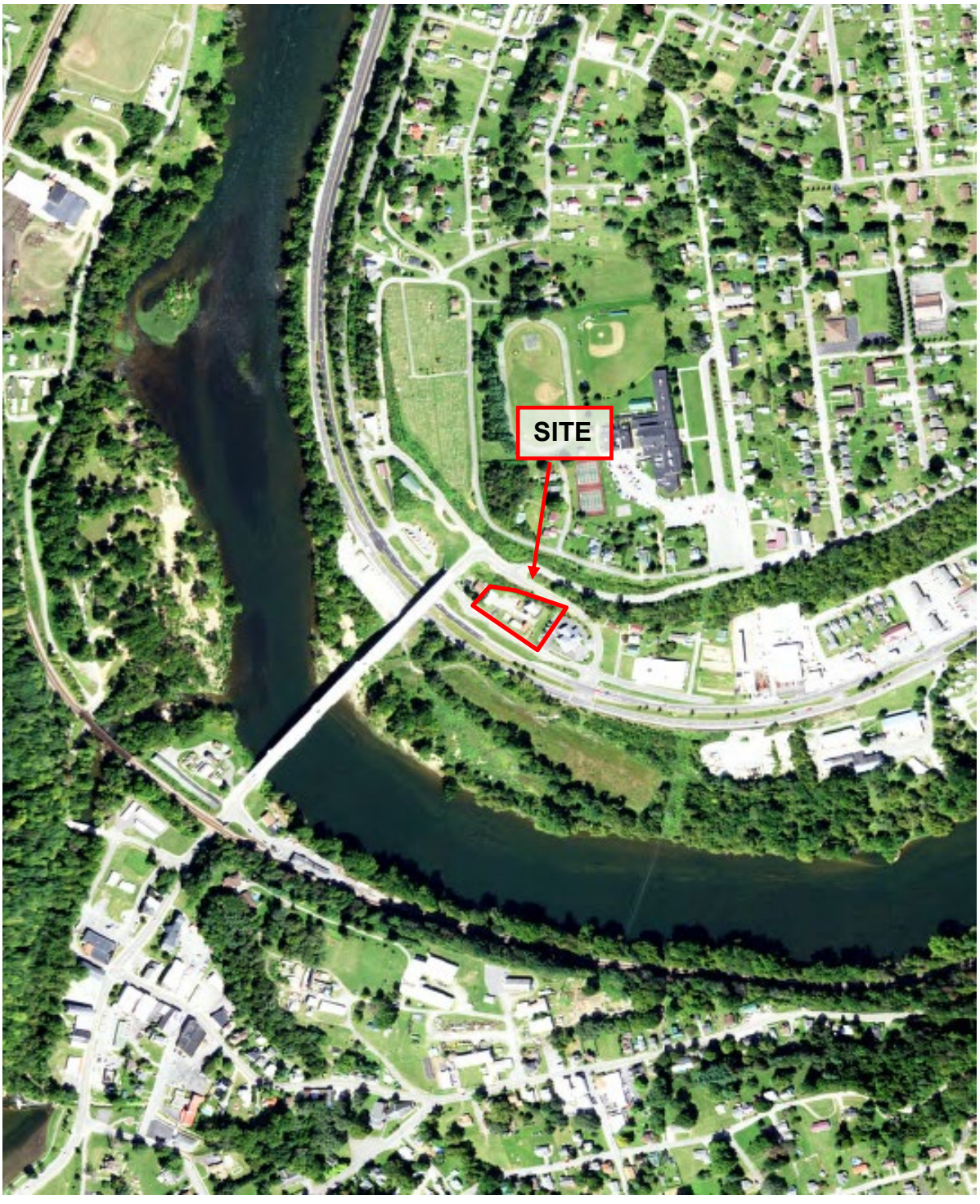


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2016
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

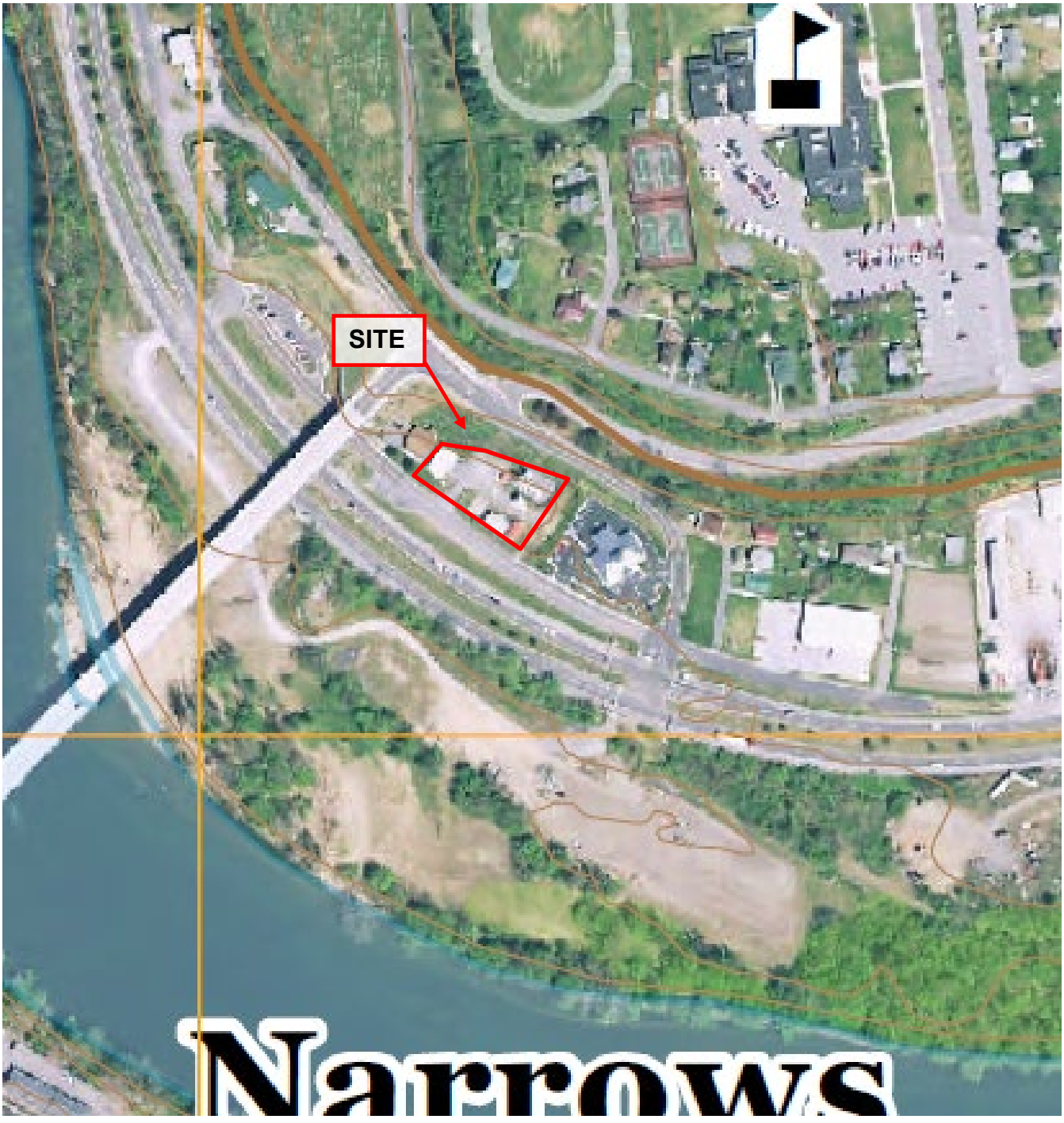


= Site Boundary (approximate)

Advantage Environmental Consultants, LLC
12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Aerial Photograph 2020
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS



From USGS 7.5-Minute Series Topographic Quadrangles, Narrows, VA, dated 2019

= Site Boundary (approximate)

AEC Advantage Environmental Consultants, LLC

12530 Iron Bridge Road, Suite I
Chester, Virginia 23831
Phone: 804-454-0072 Fax: 804-454-0082

Historic Topographic Map
Commercial Property
120 Old Virginia Avenue
Narrows, Virginia 24124

AEC Project No.:	Report Date:	Drawn By:
22-147V	August 2022	RS

APPENDIX G

QUALIFICATIONS OF PERSONNEL

Advantage Environmental Consultants, LLC

ENVIRONMENTAL AND ENGINEERING DUE DILIGENCE SPECIALISTS

Andrew Owens, P.G.
Principal

EDUCATION

- B.S. Geology-Chemistry, Saint Lawrence University, 1999

PROFESSIONAL REGISTRATIONS, LICENSES, AND CERTIFICATIONS

- Professional Geologist, Commonwealth of Virginia
- Professional Geologist, State of North Carolina
- Certificate, ASTM International (ASTM) "Phase I and Phase II Environmental Site Assessments for Commercial Real Estate", 2007
- Certificate, United Parents Against Lead 24-hour Mold Inspector, 2012
- Asbestos Hazard Emergency Response Act (AHERA) Asbestos Inspector
- Asbestos Hazard Emergency Response Act (AHERA) Project Designer
- Virginia-Licensed Asbestos Building Inspector
- Virginia-Licensed Asbestos Project Designer
- West Virginia-Licensed Asbestos Building Inspector
- Member of ASTM E50 Committee and Subcommittee on Phase I ESA

PROFESSIONAL SUMMARY

Mr. Owens is a Principal and Branch Manager for the Richmond Regional Office of Advantage Environmental Consultants, LLC and has worked in the environmental field since 2000. Mr. Owens is responsible for client development and management, as well as the performance of Phase I Environmental Site Assessments, Phase II subsurface investigations, Property Condition Assessments, environmental audit reports, voluntary cleanup/remediation projects, visual mold screenings and sampling, lead-in-drinking water sampling, asbestos surveys/sampling, and designing asbestos abatement projects for commercial real estate and lending institution clients.

Mr. Owens specific fields of expertise are environmental audits, Phase I and II Environmental Site Assessments, remediation design and implementation using air sparging, vapor extraction, dual phase extraction, and groundwater extraction technologies, asbestos inspections and abatement project designs, and industrial regulatory compliance for borrow pits, mineral mines, and ready-mix concrete plants. Mr. Robertson is also experienced in litigation support and regulatory negotiation and community relations.

PROFESSIONAL EXPERIENCE

Phase I Environmental Site Assessments (ESAs)

Since 2000, Mr. Owens has conducted environmental site inspections and prepared Phase I ESAs and Transaction Screens for various entities including local governments, commercial lending institutions, commercial/industrial real estate owners/managers, insurance companies, wireless telecommunication carriers, and real estate developers.

Phase II Subsurface Investigations

Since 2000, Mr. Owens has performed Phase II subsurface investigations using hand auger, Geoprobe, hollow-stem auguring, and air-rotary drilling. Mr. Owens has supervised various well installations and performed development and sampling of the wells. In addition, Mr. Owens has overseen remedial excavation of contaminated soil and performed confirmation sampling from various development projects in Virginia, Maryland, and the District of Columbia.

Property Condition Assessments (PCAs)

Since 2012, Mr. Owens has performed Property Condition Assessments and HUD Physical Capital Needs Assessments on commercial and industrial properties including self-storage facilities, multi-family residential (low-rise, garden-style, and high-rise), commercial office (low-rise and high-rise), commercial retail (anchored and un-anchored strip-shopping centers, pad sites, and outparcels). Mr. Owens is familiar with the major interior building systems including HVAC, plumbing, electric, and telecommunications in use at most current and historic commercial and industrial properties.

Asbestos-Containing Materials Survey and Indoor Air Quality

Mr. Owens has been a certified/licensed AHERA Asbestos Inspector since 2001, and a Licensed Asbestos Inspector for the Commonwealth of Virginia since 2003. He has experience conducting and preparing Asbestos Building Surveys and direct impact surveys and associated reports for facilities located in Virginia, Maryland, New Jersey, and the District of Columbia.

Asbestos-Containing Materials Abatement Project Design

Mr. Owens has been a certified/licensed AHERA Project Designer since 2004, and a Licensed Project Designer for the Commonwealth of Virginia since 2005. He has experience preparing Project Designs for facilities located in Virginia, Maryland, Georgia, and the District of Columbia.

NEPA Compliance

Mr. Owens has completed several Department of Housing and Urban Development (HUD) Environmental Assessments (EAs), which included Section 106 consultation and noise studies. Mr. Owens has also completed more than 100 Federal Communications Commission (FCC) NEPA Screening Checklist reports for the telecommunications industry.

SELECTED PROJECT EXPERIENCE

Asbestos Survey and Mold Screening / Commercial Client / Silver Spring, Maryland: Performed asbestos survey and mold screening of an apartment complex that consisted of 48 two- and three-story apartment buildings including a rental office and exercise room, paved parking areas, and a community swimming pool. The apartment buildings were comprised of a total of 345 apartment units with an average unit size of 1,000 square feet.

Asbestos Abatement Project Design / Commercial Client / Washington DC: Completed development of Abatement Project Design of an approximate 20,000 square-foot commercial building undergoing full interior renovation. Materials included over 18,000 square feet of various Category I and Category II Non-Friable ACBM.

Environmental Assessment / Commercial Developer / Washington, D.C.: Completed three HUD Environmental Assessments for a large-scale HOPE VI revitalization project located in Washington, D.C., which included the demolition of 1,107 existing public housing units and the construction of 555 residential units. This project included coordination with Maryland and Washington, D.C. SHPOs, contacting various nearby US Military installations, and development of noise data including recommending noise attenuation measures.

Remediation / Real Estate Client / Linthicum Heights, MD: Supervised the remedial excavation and verification sampling of approximately 3,000 tons of petroleum-contaminated soil from a former automobile salvage property for development by the client. Project included obtaining county excavation permit and development of a permit to treat and dispose of more than 100,000 gallons of petroleum-impacted water. Work was performed under the direction of the Maryland Department of the Environment.

Groundwater Monitoring and Sampling / Petroleum Client / VA and MD: Installed and sampled groundwater monitoring wells and supervised the installation of Geoprobe soil borings at 52 filling stations throughout Northern Virginia and Maryland. The goal was to determine baseline conditions for soil and groundwater on and around the filling stations due to releases from underground storage tanks.

SPCC and SWP3 / Multiple Industrial Clients / Maryland: Conducted facility inspection and developed appropriate controls and Best Management Practices (BMPs) that met the requirements of the appropriate federal and state regulations and did not put an unnecessary burden on the client. Coordinated with client and Professional Engineer to determine mutually-agreeable solutions to client- and site-specific concerns.

Phase I ESA / Real Estate Client / Columbia, Maryland: Conducted a Phase I ESA of a 150-acre industrial complex developed with over 2,000,000 square-feet of warehouse space located in a medium-density industrial area of Columbia, Maryland. A portion of the property was operating under a Resource Conservation and Recovery Act (RCRA) Corrective Action Permit overseen by the United States Environmental Protection Agency. The remainder of the property had been accepted into the Maryland Department of the Environment's Voluntary Cleanup Program (VCP). Based on the site inspection and review of pertinent historic environmental documentation regarding the property, coordinated with client to identify potential on-site concerns and meet insurance requirements to allow client's acquisition of the property.

Voluntary Cleanup Program / Real Estate Client / Bel Air, Maryland: Oversaw completion of VCP application for retail shopping center with former dry cleaner tenant, which included the review of Phase I and II ESAs, an additional Phase II ESA, Public Information Meeting, and

coordination with VCP Project Manager. Contributed to the design and oversaw the installation of a sub-slab depressurization system at the property. Based on the effectiveness of the system, negotiated reasonable requirements for Certificate of Completion and continuous monitoring and reporting requirements. Certificate of Completion was received within six months of Response Action Plan implementation.

Phase I ESA and Property Condition Assessment Portfolio / Real Estate Client / Virginia, Pennsylvania, and Connecticut: Managed 10-site portfolio of senior and assisted living facilities in three states with over 1,000 residential assisted living units as part of refinancing. Based on the site inspection and review of pertinent historic environmental documentation regarding the properties, coordinated with client to identify potential on-site concerns and meet lender requirements to allow client's acquisition of the portfolio.

Advantage Environmental Consultants, LLC

ENVIRONMENTAL DUE DILIGENCE SPECIALISTS

Roy Spencer
Staff Scientist

EDUCATION

B.S. Geology, Ohio State University, 2014

B.S. Zoology, Ohio State University, 2006

PROFESSIONAL SUMMARY

Mr. Spencer is a Staff Scientist for the Richmond Regional Office of AEC and is responsible for the performance of Phase I Environmental Site Assessments, Phase II subsurface investigations, and asbestos surveys. Mr. Spencer has conducted work in Maryland, Virginia, North Carolina, Pennsylvania, Tennessee, and the District of Columbia.

PROFESSIONAL EXPERIENCE

Phase I Environmental Site Assessment Inspection and Report Preparation

Mr. Spencer conducts environmental site inspections and prepares Phase I ESAs for various entities including commercial lending institutions, commercial/industrial real estate owners/managers, small business owners, wireless telecommunication carriers, and real estate developers.

Subsurface Investigations

Mr. Spencer has experience in underground storage tank (UST) removal and soil and groundwater remediation pertaining to releases from UST systems. Mr. Spencer has performed field activities related to investigation, UST inspections, installation of monitoring wells, and permanent UST closures.

Asbestos-Containing Materials Survey

Mr. Spencer is a Certified/Licensed AHERA Asbestos Inspector and has experience conducting and preparing Asbestos Building Surveys and associated reports for facilities located in Virginia and Tennessee.