Phase I Environmental Site Assessment

SRF Franklin – Kistler Tract Greensville County, Virginia 23867

Prepared for:

Otterdam Technology Group, LLC 440 Monticello Ave., Suite 2200 Norfolk, Virginia 23510 (703) 608-3874

Prepared by:

Wetland Studies and Solutions 1008 Old Virginia Beach Road, Suite 200 Virginia Beach, Virginia 23451 (757) 963-2008

June 2025

Jamie Armentrout, PWS, PWD, VSWD

Associate Environmental Scientist

Reviewer

Nikolai Karlov, WPIT, PWD, VSWD

Project Environmental Scientist

Field Supervisor

Jackson Livingstone Environmental Scientist Field Staff, Preparer

a **DAVEY** £. company

Table of Contents

Acronyms	iv
Executive Summary	1
1.0 INTRODUCTION	
1.1. Purpose	3
1.2. Detailed Scope-of-Services	3
1.3. Significant Assumptions	4
1.4. Limitations and Exceptions	4
1.5. Special Terms and Conditions	4
1.6. User Reliance	
2.0 SITE DESCRIPTION	5
2.1. Location and Description	5
2.2. Site and Vicinity General Characteristics	5
2.3. Owner, Property Manager and Occupant Information	
2.4. Current Uses of the Subject Property	6
2.5. Description of Site Improvements	6
2.6. Current Uses of Adjoining Properties	6
3.0 USER PROVIDED INFORMATION	7
3.1. Environmental Liens or Activity and Use Limitations (AULs)	7
3.2. Specialized Knowledge	7
3.3. Knowledge of Hazardous Substances or Petroleum Products	
3.4. Commonly Known or Reasonably Ascertainable Information	7
3.5. Valuation Reduction for Environmental Issues	7
3.6. Degree of Obviousness	7
3.7. Litigation, Administrative Proceedings and Notices	7
3.8. Reason for Performing Phase I ESA	8
3.9. Helpful Documents	8
4.0 RECORDS REVIEW	9
4.1. Standard Environmental Record Sources	9
4.1.1. Subject Property	9
4.1.2. Nearby Properties	10
4.1.3. Unmappable Sites	10
4.2. Physical Setting Sources	11
4.3. Historical Use Information on the Property	11
4.3.1. Historic Aerial Photographs & Topographic Maps	11
4.3.2. Historic Fire Insurance Maps	12
4.3.3. Other Records	12
5.0 SITE RECONNAISSANCE	14
5.1. Methodology and Limiting Conditions	14
5.2. General Site Setting	14

i

5.3. Relevant Exterior Observations	14
6.0 INTERVIEWS	16
6.1. Interviews with Current Owner	16
6.2. Interviews with Adjacent Property Owners	17
6.3. Interviews with Past Property Owners	17
6.4. Interviews with Government Officials	17
7.0 FINDINGS & OPINION	18
7.1. Current and Historical Property Use	18
7.2. Regulatory Status	18
8.0 CONCLUSIONS	
9.0 REFERENCES	20
10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	21
11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS	22

Table 1. Limitations and Exceptions	. 4
Table 2. Parcel Information	. 5
Table 3. Surrounding Property Information.	. 6

Figures

Tables

Figure 1 – Vicinity Map

Figure 2 – Photo Location Map

Figure 3 – Phase I ESA Findings

Appendices

Appendix A: User Provided Information

Appendix B: Lightbox (EDR) Report & FOIA Documentation

Appendix C: Historical Use Information and Interview Questionnaires

Appendix D: Photograph Log Appendix E: Staff Resumes

Acronyms

AAI All Appropriate Inquiry
AST Aboveground Storage Tank

ASTM American Society for Testing and Materials

AUL Activity Use Limitation

CAA Clean Air Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CREC Controlled Recognized Environmental Condition
DEQ Virginia Department of Environmental Quality

EDM Environmental Data Mapper

EPA United States Environmental Protection Agency

ESA Environmental Site Assessment FOIA Freedom of Information Act GIS Geographic Information System

HREC Historic Recognized Environmental Condition

LQG Large Quantity Generator

MSL Mean Sea Level PC Pollution Complaint

REC Recognized Environmental Condition (per ASTM E1527-21)

RCRA Resource Conservation and Recovery Act

SCR Site Characterization Report SQG Small Quantity Generator

USGS United States Geological Survey
UST Underground Storage Tank
VSQG Very Small Quantity Generator
WSSI Wetland Studies and Solutions, Inc.

Environmental Database Acronyms

AST Registered Petroleum Storage Tanks
Brownfields Brownfields Site Specific Assessments

CEDS Virginia Water Protection Permits, Virginia Pollution

Discharge System (point discharge) permits, and Virginia

Pollution Abatement (no point discharge) permits

CONSENT Superfund (CERCLA) Consent Decrees

Delisted NPL National Priority List Deletions
DOD Department of Defense Sites

Drycleaner List

ENF Enforcement Actions Data

FINDS Facility Index System provided by the U.S. EPA which

contains facility information and "pointers" to other

information sources that contain more detail

FTTS Database of administrative cases and pesticide enforcement

actions and compliance activities provided by the EPA

FUDS Formerly Used Defense Sites

HMIRS Hazardous Materials Information Reporting System

INST CONTROL Voluntary Remediation Program Database

INDIAN RESERV Indian Reservation

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants

MINES Mines Master Index File

MLTS Material Licensing Tracking System maintained by the Nuclear

Regulatory Commission (NRC) of sites that use radioactive

materials and are subject to NRC licensing requirements.

NPL Liens Federal Superfund Liens
ODI Open Dump Inventory

PADS PCB Activity Database System

RAATS RCRA Administrative Action Tracking System

ROD Records of Decision

SSTS Database of registered pesticide-producing establishments

TRIS Toxic Chemical Release Inventory System

TSCA Toxic Substances Control Act
UMTRA Uranium Mill Tailings Sites
US Brownfields A listing of Brownfields Sites
US ENG Controls Engineering Controls Sites List
US INST Controls Sites with Institutional Controls

VA SPILLS Pollution Response Program from the Virginia DEQ

VA VRP Voluntary Remediation Program

Executive Summary

This report presents the process and findings of a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E1527-21 and the EPA All Appropriate Inquiry (AAI) Rule (40 CFR Part 312) for the "SRF Franklin – Kistler Tract" site located in Greensville County, Virginia; hereafter referred to as the "Subject Property." The ±503.3-acre Subject Property is composed of three (3) parcels (Parcel #11-24, 11-24A, and 11-25) located south of Allen Road (Virginia State Route 610) and west of Otterdam Road in Greensville County, Virginia.

This Phase I ESA was performed for Otterdam Technology Group, LLC (the *User*) to identify recognized environmental conditions (RECs) as part of its due diligence process and planning for potential construction activities which may take place within the Subject Property.

Mr. Nikolai Karlov, an *environmental professional* with WSSI, with assistance from Jackson Livingstone and Ms. Jillian Burgan of WSSI, performed site reconnaissance of the Subject Property on between April 22-30, 2025. The site reconnaissance included walking the Subject Property, as well as walking and driving the surrounding area, which includes a mix of rural residential and agricultural areas.

Available public information, including historic USGS topographic maps, aerial photographs, and documents on file with federal, state, and local agencies were compiled and reviewed. These documents, along with WSSI's site reconnaissance indicated that:

- ❖ A review of standard historical sources indicated that the Subject Property appears to have been predominantly a mix of forested and agricultural lands from at least 1919to the present day. From 1919 onwards, several unpaved access roads are depicted throughout the Subject Property extending from both Allen Road and Otterdam Road on the northern and western extents. By the 1940s, one residential structure is depicted on the north-central portion of the Subject Property, with one additional structure depicted on the southeastern corner in 1994. The site reconnaissance also revealed that a majority of the central and western portions of the Subject Property were clear-cut for timber production in December 2024. The surrounding area has generally remained a mix of rural residential and agricultural properties.
- During the site reconnaissance, a pole-mounted transformer was observed on the northern portion of the Subject Property along Allen Road. A non-PCB decal was not observed, and no evidence of spills or leaks was noted in the vicinity of the transformer. Several additional utility lines, including water and fiber optic cables, were observed on the northern, eastern, and southeastern portions of the Subject Property.

- ❖ One relic residential structure was observed on the northeastern portion of the Subject Property. Bricks, metal roofing, and debris were observed within the former building pad, but no evidence of USTs, ASTs, stained soils, or releases were noted in the vicinity of the structure. In addition, a drainage pipe was observed running underneath the access road to the south of the relic structure.
- A site adjoining the Subject Property to the north (Allen Road, West of 2614 South Allen Road) was identified on the SPILLS database related to a spill of diesel fuel on Allen Road following a logging truck accident. Remedial actions were performed to remove contaminated material immediately following the crash with the incident receiving regulatory closure thereafter. Based on the closure of the listing and remedial activities having been performed immediately following the incident, this listing is not considered a REC relative to the Subject Property.

Based on historical information, available environmental records, and site reconnaissance, it is the opinion of the *environmental professional* that this report has not revealed evidence of RECs.

Therefore, "additional appropriate investigation" into RECs (i.e., a Phase II ESA) is not recommended at this time.

Our conclusions are based on the results of our site investigation, records review, and inquiries. The findings could change, based on other information (e.g., additional sampling, excavation, historic records, etc.) that could become available in the future.

1.0 INTRODUCTION

This report presents the process and findings of a Phase I Environmental Site Assessment (ESA) for the "SRF Franklin – Kistler Tract" site; hereafter referred to as the Subject Property.

1.1. Purpose

The objective of this Phase I ESA is to conduct All Appropriate Inquiry (AAI) for Otterdam Technology Group, LLC, into the uses of the Subject Property consistent with good commercial or customary practice and ASTM Standard E1527-21 *Standard Practice for Environmental Site Assessments*.

As part of AAI, one of the objectives of this evaluation was to identify RECs within the Subject Property and surrounding properties regarding potential impacts to human health and the environment. According to the ASTM Standard E1527-21, a REC is defined as:

Recognized Environmental Conditions – (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on,, or at the subject property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition.

Specific objectives of this evaluation include the following:

- 1. Identification and documentation of past and present site activities that may have resulted in the presence or likely presence of hazardous substances or petroleum products in, on or at the Subject Property due to a *release* or *likely release* to the environment.
- 2. Identification and documentation of past or present activities at adjacent properties that may pose an environmental risk to the Subject Property.

1.2. Detailed Scope-of-Services

The following general work tasks were performed to meet the project objectives:

- 1. Compilation and review of public information on the history of the Subject Property and nearby properties.
- 2. Compilation and review of information on file with appropriate federal, state, and local environmental regulatory agencies.

- 3. Site reconnaissance of the Subject Property and surrounding areas.
- 4. Interviews with persons knowledgeable about the Subject Property.

1.3. Significant Assumptions

It is assumed that the information provided to WSSI by the *User*, property owner, and government officials is accurate and current.

1.4. Limitations and Exceptions

In addition to the limitations set forth in various sections of ASTM Standard E1527-21, Table 1 below indicates whether the accuracy and completeness of this report was limited by any of the following:

Table 1. Limitations and Exceptions

Limitations and Exceptions	Yes	No
Access Limitations		X
Physical Limitation to observations (i.e., snow, rain, asphalt, buildings, etc.)	X^1	
Information requested but not available at time of report preparation		X
Unique limitation not specified in ASTM Standard.		X
Data Failure		X

¹ Several areas were inaccessible due to dense and overgrown vegetation. However, a walking reconnaissance was made around the perimeter of these areas. WSSI cannot attest to environmental conditions in areas not directly observed.

1.5. Special Terms and Conditions

This Phase I ESA was performed in accordance with ASTM E1527-21 *Standard Practice for Environmental Site Assessments*. No special terms or conditions applied to this Phase I ESA.

1.6. User Reliance

This ESA was performed by WSSI for Otterdam Technology Group, LLC (the *User*). It may be relied upon by the *User* and its respective successors and assigns. This report may be relied upon by these parties; however, WSSI provides no warranties for use or reliance by other parties unless specified herein or by Letter of Reliance.

2.0 SITE DESCRIPTION

2.1. Location and Description

The Subject Property is comprised of three (3) parcels totaling +/- 503.3 acres located in Greensville County, Virginia (**Figure 1**). Access to the Subject Property is provided via unpaved private access roads located off Allen Road (Virginia State Route 610) and Otterdam Road.

According to Greensville County's online property GIS service, the Subject Property includes the following tax parcels as detailed in Table 2 (below). All three (3) parcels are zoned as A-1 (Agricultural District). According to the Greensville County Zoning Ordinance, the A-1 District is designed to protect the existing rural uses of the land and encourage only that future development which promotes the preservation of the rural qualities of the County.

Table	2	Parcel	Inforn	nation
TADIE	<i>Z</i> .	гагсег	11110111	12111011

Parcel ID	Address	Owner	Zoning	Acreage
11-24	N/A	SRF Franklin LLC, Badgett LLC	A-1	393.8
11-24A	N/A	Veliky, LLC	A-1	53.4
11-25	N/A	Lance Alexander Short	A-1	56.1

2.2. Site and Vicinity General Characteristics

The topography at the Subject Property is varied; however, the site generally slopes from the northwest to the east and south, ranging from approximately 100 to 220 feet above mean sea level (msl). The western portion of the Subject Property is believed to drain to both the south and east, depending on proximity to several tributaries of the Otterdam Swamp, which covers a significant area in the eastern portion of the Subject Property.

The Subject Property is located in the Coastal Plain and Piedmont Physiographic Provinces of Virginia. Per the *Geologic Map of the Coastal Plain and Adjacent Parts of the Piedmont, Virginia* (USGS, Mixon *et. al*, 1989), the underlying surficial geologic formation on the northwestern portion of the Subject Property is defined as Pliocene Sand and Gravel, which consists of interbedded yellowish-orange to reddish-brown gravelly sand, sandy gravel, and fine to coarse sand, poorly to well-sorted, cross-bedded in part, includes lesser amounts of clay and silt in thin to medium beds, with a thickness of 0 to 5 feet. The remaining portions of the Subject Property are mapped as the Bacon's Castle Formation, which consists of gray, yellowish-orange, and reddish-brown sand, gravel, silt, and clay, with a thickness of 0 to 70 feet.

2.3. Owner, Property Manager and Occupant Information

Parcel 11-24 is owned by SRF Franklin LLC and Badgett LLC, while Parcel #11-24A is owned by Veliky LLC, and Parcel #11-25 is owned by Lance Alexander Short, as shown in Table 2.

Unless provided by the User, detailed research into land records, including deed searches and reviews for environmental liens and AULs, were excluded from the scope of this assessment.

2.4. Current Uses of the Subject Property

The Subject Property primarily consists of undeveloped land with several areas of fallow agricultural land on the northeastern, northern, and western extents. In addition, the central and western portions of the Subject Property appeared to be used for timber production and were recently clear-cut. Several unpaved access roads are located off of Allen Road and Otterdam Road. The Subject Property is currently utilized by a local hunt club, with several deer stands observed throughout.

2.5. Description of Site Improvements

The Subject Property consists of forested land, recently cleared (timbered) forest, and fallow agricultural land along a majority of the Subject Properties. In the north-central extents, a single relic residential structure was observed which was partially collapsed. In addition, several utility poles were observed along Allen Road on the northern property boundary, in addition to one (1) pole-mounted transformer. A non-PCB sticker was not observed; however, no stains or leaks were noted in the surrounding area. In addition, several utility markers for underground water lines were observed on the eastern portion of the Subject Property and adjacent to Otterdam Road.

2.6. Current Uses of Adjoining Properties

The uses of surrounding properties are detailed in Table 3 (below):

Table 3. Surrounding Property Information

Uses of the Ad	ljoining Properties						
North	Allen Road, followed by rural residential housing, agricultural land, and						
	undeveloped forest						
South	Agricultural land and undeveloped forest, followed by rural residential housing						
	further to the southwest						
East	Agricultural land to the northeast, followed by Otterdam Road						
West	Allen Road and Orion Road to the northwest, followed by a mix of undeveloped						
	forest, rural residential housing, and agricultural land						

3.0 USER PROVIDED INFORMATION

The User's representative, Mr. Jamie E. Craig of Otterdam Technology Group, LLC, provided a completed User Questionnaire to WSSI on May 27, 2025 (**Appendix A**).

3.1. Environmental Liens or Activity and Use Limitations (AULs)

The *User* indicated that a search for environmental liens and AULs was performed, and no liens or AULs were reported. A supplemental search for environmental liens and AULs by WSSI was excluded from this assessment.

3.2. Specialized Knowledge

The *User* has no specialized knowledge or experience that is material to any RECs in connection with the Subject Property. The User is not aware of past Environmental Site Assessments that have been performed for the Subject Property.

3.3. Knowledge of Hazardous Substances or Petroleum Products

The *User* is not aware of any hazardous substances and/or petroleum products in, on, or under the Subject Property. The *User* did not indicate knowledge of historic releases on surrounding properties.

3.4. Commonly Known or Reasonably Ascertainable Information

The *User* is not aware of any commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to RECs in connection with the Subject Property.

3.5. Valuation Reduction for Environmental Issues

The *User* is not aware of any reduction in land value that is material to RECs in connection with the Subject Property.

3.6. Degree of Obviousness

The *User* was unaware of any obvious indicators that point to the presence of likely presence of hazardous materials or petroleum products at the Subject Property.

3.7. Litigation, Administrative Proceedings and Notices

The *User* is not aware of (i) any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property; (ii) any pending, threatened

or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; or (iii) any notices from any governmental entity regarding any possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products.

3.8. Reason for Performing Phase I ESA

Among other reasons, the *User* is having the Phase I ESA performed as part of the due diligence process prior to planned development on the Subject Property.

3.9. Helpful Documents

No documents were provided by the *User*.

4.0 RECORDS REVIEW

4.1. Standard Environmental Record Sources

The current and former regulatory status of the Subject Property and nearby properties was determined by reviewing records contained in databases searched by Lightbox (EDR) (**Appendix B**). The search distances used by EDR satisfies the "approximate minimum search distance" requirement of the ASTM standard. These search distances are listed on pages 1 through 4 of the EDR database report.

WSSI also reviewed the Subject Property using the EDM database maintained by DEQ. EDM displays cross-media geographical features including state-level petroleum release sites, solid waste facilities, 303D impaired waters, water quality monitoring stations and more. EDM can be used to identify environmentally sensitive sites in the Commonwealth of Virginia that may not be included in the EDR database search.

Table 4 (below) is a summary of the sites identified on federal environmental databases within the appropriate ASTM search distance(s):

Table 4. Federal Database Listings for Sites in the Vicinity of the Subject Property

			Distance/		Status/	
Database	Facility Name	Facility Address	Direction ⁺	Gradient ⁺	Violations	Location
NPDES	Otterdam Road Improvement Project – Phase II	Otterdam Road	N/A	N/A	None	Parcel Crosses Subject Property
FINDS, PFAS ECHO	Ralph and Mary Anderson Residence	1003 Allen Road	0.009 miles NW	Upgradient	None	Adjacent

⁺ as provided in EDR Report

Table 5: State Database Listings for Sites in the Vicinity of the Subject Property

			Distance/		Status/	
Database	Facility Name	Facility Address	Direction ⁺	Gradient ⁺	Violations	Location
SPILLS	N/A	West of 2614 South Allen Road	N/A	N/A	SPILLS Case Closed	Adjacent

⁺ as provided in EDR Report

4.1.1. Subject Property

Otterdam Road Improvement Project – Phase II along Otterdam Road is located on the eastern portion of the Subject Property. The listing was identified on the FINDS, ECHO, and

NPDES databases (NPDES Permit #VAR10N904) related to a Clean Water Act (CWA) permit for the widening, realignment, and improvement of a portion of Otterdam Road. According to the EDR report, the permit was issued on May 8, 2019, and is active until August 1, 2026. No violations or corrective actions were issued related to the permit. Based on the absence of reported violations, this listing is not considered a REC.

4.1.2. Nearby Properties

The **Ralph and Mary Anderson Residence** at 1003 Allen Road is located 0.663 miles east and upgradient from the Subject Property. The site was identified on the FINDS and PFAS ECHO databases (EPA Registry ID #110070598854) related to a CWA permit issued for the facility. According to the FINDS Database Facility Report, the permit was issued for a sewage system and expires on July 31, 2026. No violations or corrective actions were issued related to the permit. Based on the absence of reported violations and distance from the Subject Property, this listing is not considered a REC.

4.1.3. Unmappable Sites

The EDR report identified four (4) sites that were unmappable due to insufficient address information. Of these sites, one (1) was found to be related to the **Otterdam Road Improvement Project – Phase II** listing described in Section 4.1.1.

Wood Fuel Developers at Allen Road was identified on the AIRS database (Facility ID #200000853278) related to a Clean Air Act (CAA) Minor New Source Review (NSR) permit for the Georgia Pacific Softwood Developers facility at 116 S Allen Road. Based on available address information and a Consent Order (1993) provided by DEQ describing the CAA permit, the listing is located greater than 0.25 miles from the Subject Property. Based on the distance from the Subject Property, this listing is not considered a REC.

Allen Road, West of 2614 South Allen Road is located immediately north and upgradient of the Subject Property. The site was listed on the SPILLS database (Reference ID #294921) related to a surface spill of an unknown amount of diesel fuel from a logging truck following an accident on Allen Road. According to the DEQ PReP database, the case was opened on May 1, 2020. Following this, the report states that a contractor was hired by the Responsible Party, and the case was closed on August 28, 2020, after appropriate compliance actions were completed and verified by DEQ. As remedial actions were taken immediately after the spill and DEQ issued regulatory closure for the incident, this listing is not considered a REC.

Mamac Otterdam Road Improvements is listed in EDR as being located along Otterdam Road and Aberdour Road and was identified on the FINDS and ECHO databases (Registry ID # 110071507388). According to available address information, this listing is located greater

than 0.25 miles away from the Subject Property. Based on the distance from the Subject Property, this listing is not considered a REC.

4.2. Physical Setting Sources

The Physical Setting of the Subject Property is noted in the previous Section 2.2. The following sources were used to characterize the physical setting of the Subject Property:

- Greensville County Online GIS Service
- United States Geological Service (USGS) Topographic Maps
- USGS and United States Department of Agriculture (USDA) Soil Conservation Service aerial photographs
- Google Earth

4.3. Historical Use Information on the Property

Historical use information was ascertained through a review of several *standard historical sources* defined by ASTM E1527-21 §8.3.4, which included historical aerial photographs, topographic maps, and Sanborn fire insurance maps (if available). Copies of all referenced maps and aerial photographs provided by EDR are included in **Appendix E**.

4.3.1. Historic Aerial Photographs & Topographic Maps

A review of historical USGS topographic maps (1919, 1943, 1946, 1963, 1965, 1966, 1977, 1978, 1979, 1986, 2013, 2016, 2019, and 2022) and aerial photographs (1937, 1949, 1950, 1959, 1961, 1968, 1973, 1978, 1982, 1990, 1994, 2003, 2008, 2011, 2014, and 2018) (Appendix 4) was conducted for the Subject Property.

- ❖ According to historical aerial imagery and topographic maps, the Subject Property was predominantly undeveloped land in 1919, with Allen Road depicted parallel to the northern project boundary and Otterdam Road transecting the eastern portion of the Subject Property. An additional road is mapped transecting the west-central portion of the site from north-northwest to south-southeast, and an unpaved access road is depicted on the western portion of the Subject Property.
- ❖ Partial aerial imagery coverage was provided for 1937 and 1949 and depicts the eastern and northern portions of the Subject Property as primarily undeveloped forest. An agricultural field and apparent residential structure are shown on the north-central portion of the Subject Property, with additional agricultural land use occurring on the east-central portion. In addition, much of the surrounding area appears to be a mix of agricultural land, rural residential housing, and undeveloped forest.
- ❖ Full coverage of aerial imagery is provided for the Subject Property by 1950, which shows additional agricultural fields on the southeastern portion of the Subject Property. No

- significant changes are observed on the Subject Property or surrounding properties from 1950 to 1982.
- ❖ By 1990, the western, north central, and eastern portions of the Subject Property appear to have been clear-cut, and numerous access roads are pictured extending south or southeast from Allen Road. In 1994, a residential structure is depicted on the far southeastern corner of the Subject Property, adjacent to an agricultural field and Otterdam Road.
- ❖ In 2003, the previously cut-over areas appear to have been revegetated; however, a large swath of the central portion of the Subject Property is depicted as recently clear cut. By 2011, several forested areas along the western and northern portions of the site appear to have been thinned, likely in association with timber production.
- ❖ No additional significant changes are depicted on the Subject Property or surrounding properties.

4.3.2. Historic Fire Insurance Maps

Based on the long-term historical rural nature of the Subject Property, a fire insurance ("Sanborn") map search was not conducted. Based on the coverage provided by other historical documentation, the absence of a Sanborn map search is not considered a Significant Data Gap.

4.3.3. Other Records

A FOIA records request was submitted on April 24, 2025, to the DEQ's Piedmont Regional Office for the Subject Property and any additional adjoining or nearby properties of concern. FOIA records provided by the DEQ for facilities with nearby database listings are discussed in detail in Section 4.1.

A FOIA request for records was also made to Greensville County on April 24, 2025. Greensville County was asked to provide knowledge of any underground or above ground storage tanks, any releases of hazardous substances or petroleum products on or near the Subject Property, any environmental concerns of any kind, and the history of fires for the Subject Property.

On April 25, 2025, Greensville County responded and stated that they did not have any records responsive to the request; however, the County noted that there was a history of prescribed burns on one or multiple parcels related to forest management. No additional details were provided concerning these fires.

A City Directory Abstract was provided by EDR on April 18, 2025. The EDR City Directory Abstract consists of information found by reviewing business directories including city, cross reference, and telephone directories at approximately five-year intervals for the years spanning 1992 to 2020. The City Directory was reviewed to assess potential land-uses of concern on the Subject Property and parcels of concern proximal to the Subject Property. No addresses were

reported in association with the parcels located within the Subject Property. In addition, the properties surrounding the Subject Property have remained residential from at least 1992 to 2020. The review of the City Directory did not reveal any land-uses of concern within or adjacent to the Subject Property.

The EDR City Directory Abstract is provided in Appendix 4.

5.0 SITE RECONNAISSANCE

5.1. Methodology and Limiting Conditions

Mr. Nikolai Karlov, an *environmental professional* with WSSI, with assistance from Mr. Jackson Livingstone and Ms. Jillian Burgan of WSSI, performed site reconnaissance from April 22-30, 2025. Photographs taken during the site reconnaissance are presented in Appendix D and in Figure 2. WSSI personnel made a visual inspection of the Subject Property by thoroughly walking the property interior. A pedestrian and "drive-by" reconnaissance of the area immediately around the Subject Property and adjoining properties was also conducted along public roads.

5.2. General Site Setting

The Subject Property is comprised of three (3) parcels located to the south of Allen Road and west of Otterdam Road in a predominantly rural and agricultural area of Greensville County, Virginia.

5.3. Relevant Exterior Observations

The following environmentally relevant observations were made during the site reconnaissance:

- ❖ The Subject Property predominantly consists of undeveloped forested lands along the eastern, northern, and northwestern portions, with the central and west-central portions having been recently clear-cut for timber production. Otterdam Swamp is located along the eastern portion of the Subject Property, transecting the Subject Property from northwest to southeast. Several unpaved access roads off of Allen Road and Otterdam Road were observed throughout the Subject Property, and transected the western, central, northern, northeastern, and southeastern portions.
- ❖ The northern property boundary runs along Allen Road, and several residential homes (3262, 3206, 3118, 3074, 3006, and 2614 Allen Road) adjoin the Subject Property to the north. An approximately 250-gallon liquid propane gas (LPG) AST was observed on the western exterior of the residence at 3262 Allen Road, and no stains or evidence of releases were observed. No additional USTs or ASTs, in addition to septic sewage systems, groundwater wells, or other environmentally relevant observations were made on these properties.
- ❖ A fiber optic utility line marker and several electric utility poles were observed on the northern property boundary along Allen Road. In addition, one (1) pole-mounted transformer was observed on the north-central portion of the Subject Property adjacent to Allen Road. A non-PCB sticker was not observed, and no stains or leaks were noted in the vicinity of the transformer.
- An access road on the northeastern portion of the Subject Property and south of Allen Road provides access to a relic residential structure that appeared to have been abandoned and partially collapsed. Bricks, metal roofing, and debris were observed within the former

- building pad, but no evidence of USTs, ASTs, stained soils, or releases were noted in the vicinity of the structure. In addition, a drainage pipe was observed running underneath the access road to the south of the relic structure.
- Two (2) culverts were located on the Subject Property on the northern and southeastern portions of the Otterdam Swamp where it traverses Allen Road and Otterdam Road, respectively.
- Several water line utility markers and water hydrants were observed along the eastern portion of the Subject Property and adjacent to Otterdam Road. In addition, the former alignment of Otterdam Road is located on the eastern portion of Parcel 11-30.
- * The southeastern portion of the Subject Property contains an access road off of Otterdam Road that leads to a deer stand. The surrounding area appears to be managed for a local hunt club that operates on the site. In addition, a stream was observed traversing this portion of the site from north to south.
- ❖ A residence was observed at 2417 Allen Road, adjoining the Subject Property to the northwest. On the southern portion of the property, numerous discarded appliances ("white goods"), including washing machines, dryers, and water heaters were observed. No stains, leaks, or evidence of releases were observed in the vicinity of the discarded appliances.
- ❖ The Greensville County Collection Site #110 at 3389 Allen Road was observed approximately 0.38 miles east of the Subject Property. Several trash compactors and dumpsters were observed on the facility, along with a small structure and an approximately 100-gallon capacity used oil AST and two (2) unlabeled 55-gallon drums. No stains or leaks were observed in the vicinity of the AST or drums.

6.0 INTERVIEWS

6.1. Interviews with Current Owner

A completed Owner Questionnaire was received from Jamie Craig of Otterdam Technology Group, LLC on May 27, 2025. The following environmentally relevant information was received from Mr. Criag:

- Otterdam Technology Group, LLC has owned the Subject Property for approximately three (3) years.
- Mr. Craig was unaware of any structures on the Subject Property.
- Mr. Craig stated that the Subject Property is serviced by municipal water and sanitary sewer
 systems. This was confirmed during the site reconnaissance, as water utility line marked
 were observed on the eastern portion of the Subject Property adjacent to Otterdam Road.
- Mr. Craig was unaware of any former septic systems or private drinking water wells on the Subject Property.
- Mr. Craig was unaware of any hazardous substances, petroleum, storage tanks, PCB-containing materials, located on or within the Subject Property.
- Mr. Craig was unaware of any historical property uses of concern, environmental site assessments, or other relevant environmental concerns for the Subject Property.

A completed Owner Questionnaire was received from Lance A. Short on June 9, 2025. The following environmentally relevant information was received from Mr. Short:

- Mr. Short was unaware of any structures on the Subject Property.
- Mr. Short stated that the Subject Property is not serviced by municipal water and sanitary sewer systems.
- Mr. Short was unaware of any former septic systems or private drinking water wells on the Subject Property.
- Mr. Short was unaware of any hazardous substances, petroleum, storage tanks, PCB-containing materials, located on or within the Subject Property.
- Mr. Short was unaware of any historical property uses of concern, environmental site assessments, or other relevant environmental concerns for the Subject Property.

A completed Owner Questionnaire was received from David S. Veliky of Veliky, L.C., on May 29, 2025. The following environmentally relevant information was received from Mr. Veliky:

- Mr. Veliky was unaware of any structures on the Subject Property.
- Mr. Veliky stated that the Subject Property is not serviced by municipal water and sanitary sewer systems.
- Mr. Veliky was unaware of any former septic systems or private drinking water wells on the Subject Property.

- Mr. Veliky was unaware of any hazardous substances, petroleum, storage tanks, PCB-containing materials, located on or within the Subject Property.
- Mr. Veliky was unaware of any historical property uses of concern, environmental site assessments, or other relevant environmental concerns for the Subject Property.

The completed Property Owner Questionnaires can be found in Appendix 5.

6.2. Interviews with Adjacent Property Owners

Adjacent property owners were not interviewed as part of this report.

6.3. Interviews with Past Property Owners

Past property owners were not interviewed as part of this assessment. It is the opinion of the *environmental professional* that lack of an interview with the previous owner is not a data gap, as previous property owners would not likely have material information regarding the Subject Property that would not be duplicative of information already obtained from other sources.

6.4. Interviews with Government Officials

WSSI contacted the DEQ on April 24, 2025, regarding any records of onsite USTs, ASTs, or other environmental incidents on the Subject Property via FOIA request. DEQ staff responded on May 2, 2025, providing records for the nearby facilities for which records were requested.

Additionally, WSSI contacted Greensville County on April 24, 2025, regarding any records of onsite USTs, ASTs or environmental incidents, including fires, on the Subject Property via Freedom of Information Act request. On April 25, 2025, the Greensville County responded and stated that they did not have any records pertaining to the request.

These records are discussed in detail in Section 4.1 for FOIA documents received by DEQ.

7.0 FINDINGS & OPINION

7.1. Current and Historical Property Use

A review of standard historical sources indicated that the Subject Property appears to have been predominantly a mix of undeveloped forest and agricultural land from at least 1919 to the present day. From 1919 onwards, several unpaved access roads are depicted throughout the Subject Property extending from both Allen Road and Otterdam Road on the northern and western portions of the Subject Property. By the 1940s, a residential structure is depicted on the north-central portion of the Subject Property, with an additional structure depicted on the southeastern corner in 1994. The site reconnaissance also revealed that a majority of the central and western portions of the Subject Property were recently clear-cut for timber production. The surrounding area has generally remained a mix of rural residential and agricultural properties.

No RECs were identified or associated with current land-use on the Subject Property or adjoining properties.

7.2. Regulatory Status

A parcel crossed by the eastern portion of the Subject Property was identified on several federal databases as **Otterdam Road Improvement Project** – **Phase II** related to a Clean Water Act (CWA) permit for the widening, realignment, and improvement of a portion of Otterdam Road. According to the EDR report, the permit was issued on May 8, 2019, and is active until August 1, 2026. No violations or corrective actions were issued related to the permit. Based on the absence of reported violations, this listing is not considered a REC.

7.2.1 Adjoining Properties

A SPILLS database listing was identified for a spill of diesel fuel from a logging truck accident that occurred on **Allen Road**, **West of 2614 South Allen Road** and is located immediately north and upgradient of the Subject Property. The EDR report states that a surface spill of an unknown amount of diesel fuel occurred after a logging truck accident on Allen Road. According to the DEQ PReP database, the case was opened on May 1, 2020. Following this, the report states that a contractor was hired by the Responsible Party, and the case was closed on August 28, 2020, after appropriate compliance actions were completed and verified by DEQ. As remedial actions were taken immediately after the spill and DEQ issued regulatory closure for the incident, this listing is not considered a REC.

8.0 CONCLUSIONS

WSSI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the Subject Property. Any exceptions to, or deviations from this practice are described in Section 1.4 of this report. Pursuant to ASTM E1527-21 §12.7.2, this assessment has revealed no evidence of Recognized Environmental Conditions (RECs).

As such, "additional appropriate investigation" into RECs is not recommended at this time.

Our conclusions are based on the results of our site investigation, records review, and inquiries. The findings could change, based on other information (e.g., additional sampling, excavation, historic records, etc.) that could become available in the future.

9.0 REFERENCES

The following is a list of references used for the Phase I ESA:

- Google Earth
- Lightbox (formerly EDR) Database Searches and Reports
- Greensville County Online GIS Service
- Virginia Environmental Data Mapper (EDM)
- ❖ Historic Aerial Photographs and Topographic Maps (included in **Appendix C**)
- ❖ ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process
- Geologic Map of Virginia

10.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

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

Nikolai Karlov, WPIT, PWD, VSWD Project Environmental Scientist

Preparer

Jamie Armentrout, PWS, PWD, VSWD Associate Environmental Scientist Reviewer

11.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The following *environmental professionals* from WSSI were involved in the preparation of this Phase I ESA:

Nikolai Karlov, WPIT, PWD, VSWD

- B.S., 2018, Biology,
 Old Dominion University
- Wetland Professional in Training
- Virginia Certified Professional Wetland Delineator
- ❖ OSHA 40-Hr HAZWOPER

Areas of Expertise

- * Environmental Site Characterization
- Environmental Site Assessment, Phase I and II
- Soil/Groundwater Contamination Assessment/Remediation
- Natural Resources Due Diligence
- Clean Water Act Permitting

Jamie Armentrout, PWS, PWD, VSWD

- ❖ B.S., 2011, Biology,
- East Carolina University
- Professional Wetland Scientist
- Virginia Certified Professional Wetland Delineator
- EPA Certified and Virginia Licensed Asbestos Inspector/Management Planner
- EPA Certified and Virginia Licensed Lead Risk Assessor
- ❖ OSHA 40-Hr HAZWOPER

Areas of Expertise

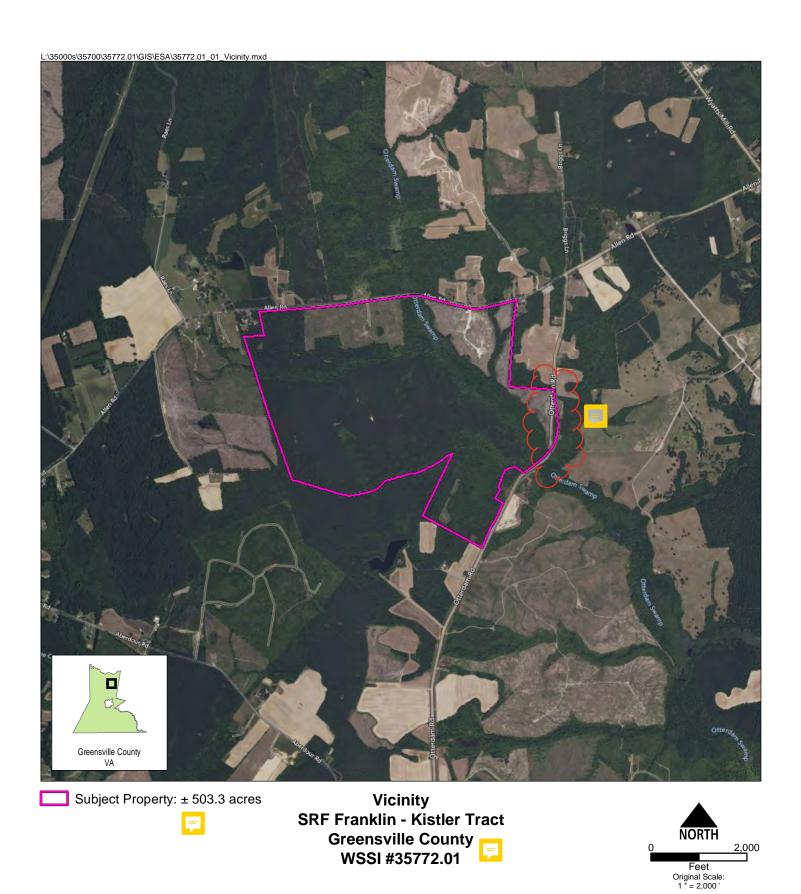
- Site Characterization
- Environmental Site Assessment, Phase I and II
- Soil/Groundwater Contamination Assessment/Remediation
- Environmental Data Analysis
- Hazardous Materials Inventories
- Natural Resources Due Diligence
- Clean Water Act Permitting



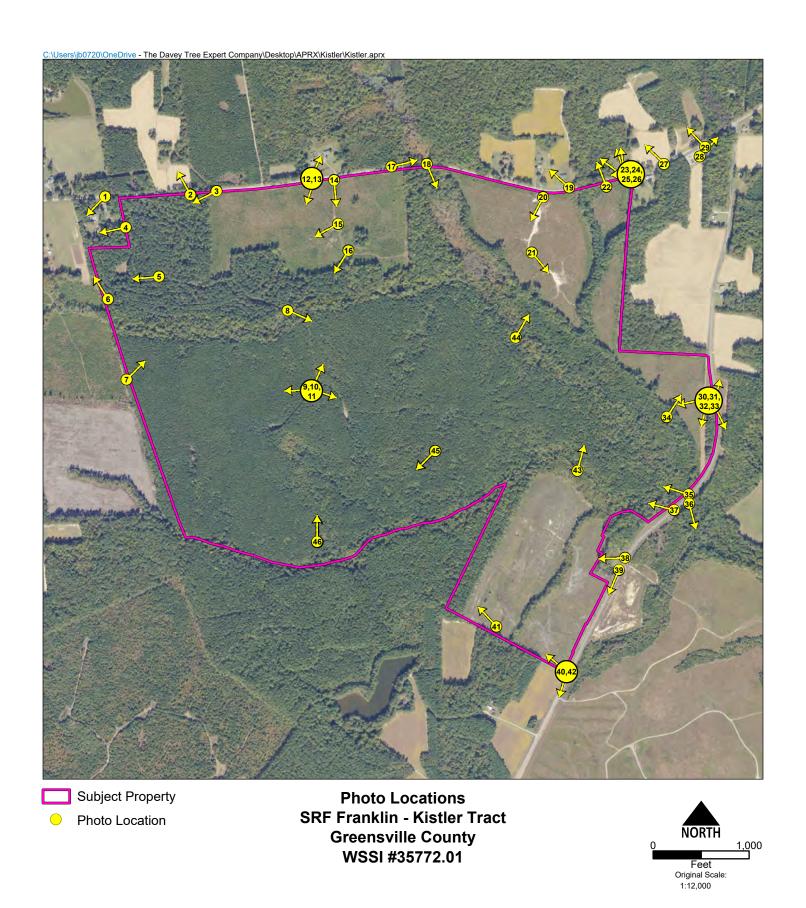
Figure 1 – Vicinity Map

Figure 2 – Photo Location Map

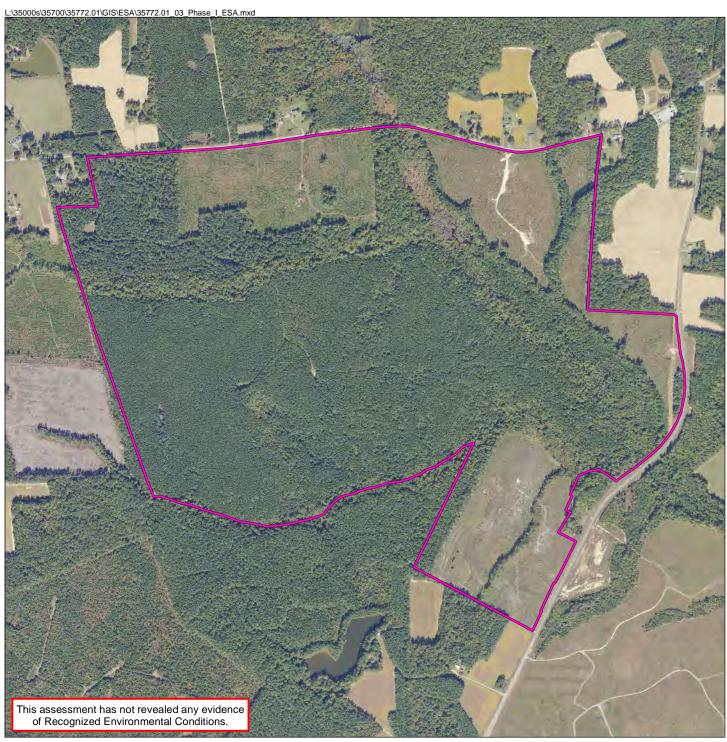
Figure 3 – Phase I ESA Findings



Source: Bing Hybrid

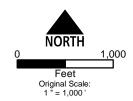


Source: National Agriculture Imagery Program (NAIP) - Summer 2023



Subject Property
RECs

Phase I ESA Findings SRF Franklin - Kistler Tract Greensville County WSSI #35772.01



Source: National Agriculture Imagery Program (NAIP) - Summer 2023



Property Owner Name Allow Rence JOWAH VA	Intervie	ewee/(Occupa	nt (if diff	erent fr	om ov	vner)
Property Address, if any				874			
3 y-ms	Phone	7777777	r				
How long has owner owned the property?	N	_	vallina	L:140 /T.	1		
되는 배팅한 경험 그래요 그래요 그래요 하다면 하다는 그 없는 것				built? (If	known)	
Questions for Owners/Occupants- Phase I Envir	onmental Site A	Asses	sment				
Please respond to each question in good faith and to the this matter.	e extent of your kn	nowled	lge. Ti	nank you	for you	r assis	tance w
		Inter	viewee		Site	Inspe	ctor
1) Is the property serviced by City water and/or sewer	?	Yes	No	Unkn.	Yes	No	Unkn
2) Is there or has there ever been a septic sewage property?		Yes	No	Unkn	Yes	No	Unkı
3) If the property is served by a private well or n system, have contaminants been identified in the that exceed state guidelines or has the well bee "contaminated" by any government agency?	well or system n designated as	Yes	N ₃	Unkn.	Yes	No	Unkn
4) Is the property or any adjoining property used for a Have you observed evidence or do you have prior the property has been used for an industrial use in the	knowledge that	Yes	No	Unkn.	Yes	No	Unkn
been) used as a gasoline station, motor repair facility, dry cleaners, photo develop junkyard or landfill, or as a waste treatment, st processing or recycling facility? If applicable, iden	(or has it ever lity, commercial ing laboratory, orage, disposal	Yes	No	Unkn.	Yes	No	Unkn
Are there currently (or have there ever been) a discarded automotive or industrial batteries, pestion other chemicals in individual containers of >5 galloused at the property?	ny damaged or cides, paints, or ons stored on or	Yes	No	Unkn.	Yes	No	Unkn
Are there (or have there ever been) any industrial of 55-gallon) or sacks of chemicals located on the prop	erty?	Yes	No	Unkn.	Yes	No	Unkn.
Do you have any knowledge of hazardous substant products, unidentified waste materials, tires, or a materials that have been dumped above grade, burned on the property?	nces, petroleum ny other waste buried, and/or	Yes	N ₀	Unkn.	Yes	No	Unkn.
Have you observed evidence or do you have prior fill dirt has been brought onto the property that is origin or from a contaminated site?	of an unknown	Yes (No	Unkn.	Yes	No	Unkn.
O) Are there currently (or have there ever been) any lagoons located on the property in connection with or waste disposal?	pits, ponds, or waste treatment	Yes	No.	Unkn.	Yes	No	Unkn.

Yes

Yes

Yes

Yes

Yes

No

Unkn.

Unkn.

Unkn

Unkn.

Unkn.

Yes

Yes

Yes

Yes

Yes

No

No

No

No

No

Unkn.

Unkn.

Unkn

Unkn.

Unkn.

11) Does the property discharge waste water (other than storm water)

14) Are there currently (or has there ever been) any registered or

15) Are there currently (or has there ever been) any vent pipes or fill

unregistered storage tanks (above or underground) located on the

pipes protruding from the ground on the property or adjacent to any

12) Are there currently (or have there ever been) any stressed

property or mounds of unknown material?

property? (i.e. gasoline or heating oil tanks)

structures on the property?

vegetation or stained soils or pavement on the property?

13) Is there currently (or has there ever been) any solid waste on the

into a sanitary sewer system on the property or adjacent property?

16) Is there currently (or has there ever been) any flooring, drains, walls, ceilings, or exposed grounds showing evidence of leaks,	Yes	No	Unkn.	Yes	No	Unkn.
spills, or staining by substances <i>other</i> than water, or are emitting foul odors?						
(7) Have you been informed of the current or past existence of hazardous substances or petroleum products on the property?	Yes	No	Unkn.	Yes	No	Unkn.
8) Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No	Unkn.	Yes	No	Unkn.
(9) Do you know of any previous Environmental Site Assessment that identified contamination, hazardous substances, or petroleum products on the property, or recommended further assessment of the property?	Yes	Ng	Unkn.	Yes	No	Unkn.
20) Do you know of any administrative proceedings or past, threatened, or pending lawsuits concerning a release or threatened release of any hazardous substance or petroleum products on the property?	Yes	No	Unkn.	Yes	No	Unkn.
21) Do you know of any environmental liens or governmental notification relating to past or recurrent violations of environmental laws regarding the property or any facility located on the property? 22) Do you know if any of the following documentation exists for the	Yes	No	Unkn.	Yes	No	Unkn.
property (circle all that apply): Environmental Site Assessments; Environmental compliance audit reports Environmental permits (i.e. hazardous or solid waste disposal permits, etc.); Registrations for above or underground storage tanks; Registrations for underground injection systems, Material Safety Data Sheets; Community right-to know plan; Safety plans (including preparedness and prevention plans, spill prevention, etc.); Hydrogeologic reports; Hazardous waste generator notices or reports; Geotechnical studies; Risk Assessments; or recorded Activity and Use Limitations. If any of the above exist, can copies be provided to our office or can we come and review the documents?	Yes (No	Unkn	Yes	No	Unkn
liscellaneous Notes:						
his questionnaire was completed by:						
JAMES & CRAIS JR Signature	an	- E.	Cue	18		
tle SIZF FRANKLING Date	5	127	1202	5		
ST. TANGOTO						

User Responsibilities for Phase I Environmental Site Assessment

As required by ASTM E1527-13, Section 6

Provided by Wetland Studies and Solutions, Inc. on



Environmental Professional 1008 Old Virginia Beach Road #200
Virginia Beach, VA 23451

(757)963-2008 office (757)963-8322 fax

To be completed by the User (Client):

SRF. FRANKUN

User Name (Client)
P.O. Box 6

6804 Falls Church Warren

User Contact Information and Title

703 · 608 387 9 Phone number

Mailing Address

Grensville County

TM. 11-24

1

Subject Property Info: County, Address, GPIN, or nearest intersection (please provide a site map showing property limits & location of property)

Please provide at least one contact person who is familiar with the environmental history of the subject property (name/current phone number/connection to subject property). This person(s) will be interviewed as part of the requirements of a Phase I ESA. (Contact(s) should be the property owner, occupant, key site manager, or similar.

OTTERDAM TECHNOLOGY GOUP, SPET FRANKLIN

Please indicate all parties who will rely on this Phase I ESA.

User's Responsibilities

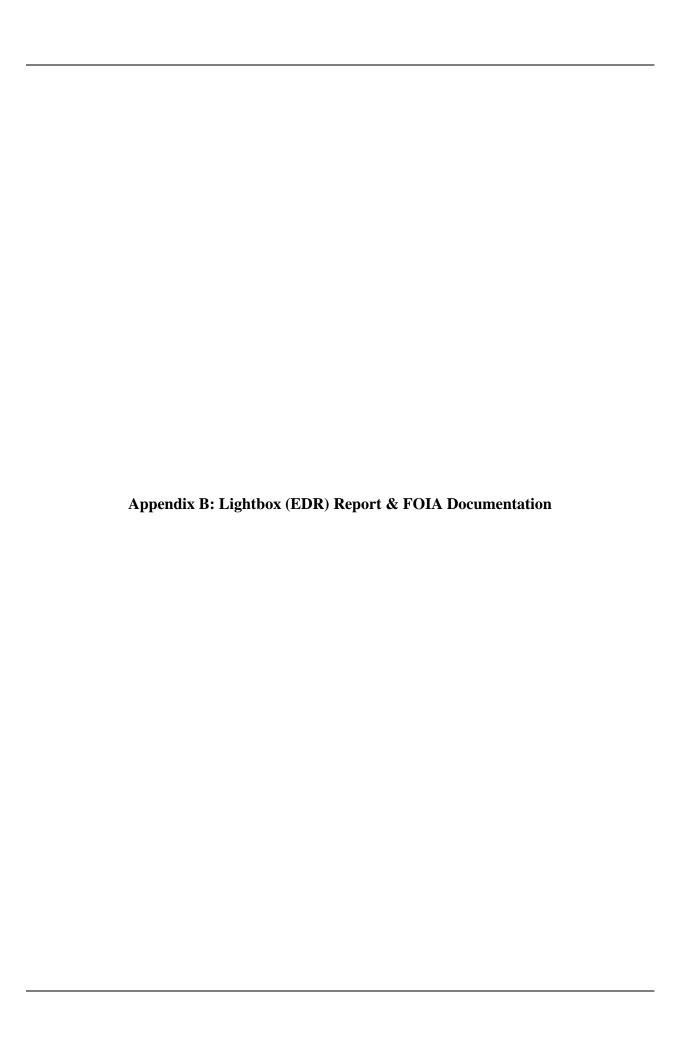
Please respond to each question "in good faith and to the extent of your knowledge". Responses and any resulting documentation should be provided to the above mentioned Environmental Professional who is performing the Environmental Site Assessment (ESA) prior to their site investigation. Delays in providing the following information will result in a delay of the site investigation, thus possibly delaying receipt of the completed Phase I ESA.

ASTM

1)	The purpose of this Phase I ESA is to (circle all that apply) satisfy one of the requirements to qualify for the: 1) innocent landowner 2) contiguous property owner, or 3) bona fide prospective purchaser limitations on CERCLA liability; 4) to understand potential environmental conditions that could materially impact the operation of the business associated with the property; 5) other (please specify)	§1.1 § 6.8	p cc	OF TEN	THE D
2)	The User must review reasonably ascertainable recorded land title records and lien records that are filed under federal, tribal, state, or local law in order to identify environmental liens or activity and use limitations (AULs), if any, that are recorded against the subject property. (This practice can be performed by a title company or title professional or by the Environmental Professional (E.P.) by supplying the Chain of Title and changing the scope of the Phase I ESA.)	§6.2 §6.2.1			
	 2a) The User has actual knowledge that environmental liens and/or AULs exist on the subject property. 2b) Records were searched for environmental liens and/or AULs on the subject property. 2c) Environmental liens or AULs were identified on the subject property. Any environmental liens or activity and use limitations so identified shall be reported to the aforementioned E.P. prior to the site visit. 	§6.4	Yes Yes	NO NO NO	Unkn. Unkn. Unkn.
3)	Is the User aware of any specialized knowledge or experience regarding Recognized Environmental Conditions (RECs) on the property? If yes, please provide documentation with this form to the E.P.	§6.3	Yes	No	Unkn.

4)	If ye	e User aware of any commonly known or reasonably ascertainable mation about the property regarding RECs? s, please provide documentation with this form to the E.P.	1100	Yes	No	Unkn.
5)	prope affec try to reflec	Oser shall consider the relationship of the purchase price of the erty to the fair market value of the property if the property was not ted by hazardous substances or petroleum products. The User should a identify an explanation for a lower price which does not reasonably at fair market value if the property were not contaminated and make a ten record of such explanation. (This does not require a real estate.)		(4)		
40	If fal	se, please provide an explanation with this form to the E.P.		T	F	Unkn.
6)	Are y	ou (the User) aware of any of the following documents that exist for abject property?	§10.8			
	6a)		432 2 3 5		~	
		Environmental site assessment reports	§10.8.1.1	Yes	(No)	Unkn.
	6b)	Environmental compliance audit report	§10.8.1.2	Yes	No	Unkn.
	6c)	Environmental permits (including, but not limited to: solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits)	§10.8.1.3	Yes	38	Unkn.
	6d)	Registrations for underground and above-ground storage tanks	§10.8.1.4	Yes	Na	The
	6e)	Registrations for underground injection systems	§10.8.1.5	Yes		Unkn.
	6f)	Material safety data sheets (MSDS)	§10.8.1.5 §10.8.1.6	The second second		Unkn.
	6g)	Community right-to-know plan		Yes	(No)	Unkn.
	6h)	Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	§10.8.1.7 §10.8.1.8	Yes Yes	No.	Unkn. Unkn.
	6i)	Reports regarding hydrogeologic conditions on the property or surrounding area	§10.8.1.9	Yes	No	Unkn.
	6j)	Notices or other correspondence from any governmental agency relating to past or current violations with respect to the property or relating to environmental liens encumbering the property.	§10.8.1.10	Yes	No	Unkn.
	6k)	Hazardous waste generator notices or reports	2100111	X7	(N)	**
	61)	Geotechnical studies	§10.8.1.11	Yes		Unkn.
	6m)	Risk assessments	§10.8.1.12	Yes	No	Unkn.
	6n)	Recorded AULs	§10.8.1.13	Yes		Unkn.
)		ou (the User) aware of:	§10.8.1.14	Yes	No	Unkn.
	7a)	Any pending, threatened, or past litigation or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	§10.9	Yes	No	Unkn.
	7b)	Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?		Yes	N	Unkn.
)	must b	ere any special terms, conditions, or changes in scope of work which he agreed upon by the E.P.? please provide an explanation with this form to the E.P.	§12.9	Yes	No	Unkn.

scellaneous Notes:		



SRF Franklin - Kistler Track

Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.7s

April 17, 2025

EDR Area / Corridor Report



TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Mapped Sites Summary	
Key Map.	2
Map Findings Summary.	
Focus Maps	7
Map Findings.	25
Orphan Summary.	OR-1
Government Records Searched/Data Currency Tracking	GR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIFECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

ALLEN ROAD JARRATT, VA 23867

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

NPDES: Comprehensive Environmental Data System

A review of the NPDES list, as provided by EDR, and dated 11/21/2024 has revealed that there is 1 NPDES site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
OTTERDAM ROAD IMPROV	OTTERDAM RD	1 / 6	24
Facility ID: WP3-19-0798			

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

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

EXECUTIVE SUMMARY

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

A review of the PFAS ECHO list, as provided by EDR, and dated 12/30/2024 has revealed that there is 1 PFAS ECHO site within approximately 0.25 miles of the requested target property.

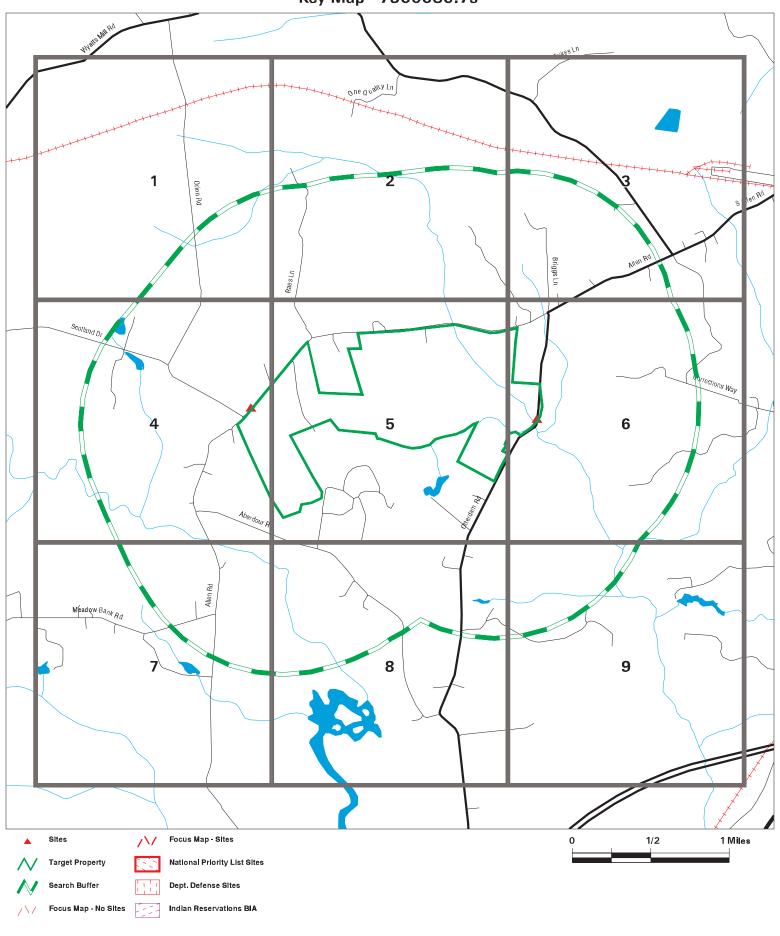
Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
ANDERSON RALPH R AND		NW 0 - 1/8 (0.009 mi.)	2/4	24

MAPPED SITES SUMMARY

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1/6	OTTERDAM ROAD IMPROV	OTTERDAM RD	NPDES	TP
2/4	ANDERSON RALPH R AND		FINDS, PFAS ECHO	47 0.009 NW

Key Map - 7960636.7s



ZIP:

CITY/STATE: Jarratt VA 23867

Wetland Studies and Solutions, Inc.

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone INQUIRY #: 7960636.7s

DATE:

04/17/25 11:04 AM

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORD	<u>s</u>						
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites sur CERCLA removals and C		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilitie	es							
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
Lists of state and tribal l and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal l	eaking storag	ge tanks						
LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
INDIAN LUST LTANKS	0.500 0.500		0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	registered sto	orage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering co		es						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	voluntary clea	anup sites						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	brownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	ENTAL RECOR	<u>DS</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	s waste/							
US HIST CDL US CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Lists of Registere	d Storage Tai	nks						
TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency	Release Repo	orts						
HMIRS SPILLS SPILLS 90	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Rec	cords							
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		Ö	Ö	Ö	Ö	NR	Ö
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS SSTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
ROD	1.000		0	0	0	0	NR NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	Ő
PRP	TP		NR	NR	NR	NR	NR	Ö
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0 ND	0 ND	0 ND	NR	NR	0
PCB TRANSFORMER RADINFO	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	Ö
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES MINES MRDS	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
FINDS	0.230 TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	ŏ
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST PFAS ATSDR	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		Õ	Ö	NR	NR	NR	Ö
PFAS ECHO	0.250		1	Ö	NR	NR	NR	1
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
UST FINDER RELEASE UST FINDER	0.500 0.250		0	0	0 NR	NR NR	NR NR	0	
E MANIFEST	0.250		0	0	NR	NR	NR	0	
AIRS	TP		NR	NR	NR	NR	NR	0	
NPDES	TP	1	NR	NR	NR	NR	NR	1	
COAL ASH	0.500		0	0	0	NR	NR	0	
DRYCLEANERS	0.250		0	0	NR	NR	NR	0	
ENF	TP		NR	NR	NR	NR	NR	0	
Financial Assurance	TP		NR	NR	NR	NR	NR	0	
TIER 2 UIC	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0	
OIC .	II		INIX	INIX	IVIX	INIX	INIX	U	
EDR HIGH RISK HISTORIC	AL RECORDS								
EDR Exclusive Records									
EDR MGP	1.000		0	0	0	0	NR	0	
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0	
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0	
EDR RECOVERED GOVERNMENT ARCHIVES									
Exclusive Recovered Go	vt. Archives								
RGA LF RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0	
- Totals		1	1	0	0	0	0	2	

NOTES:

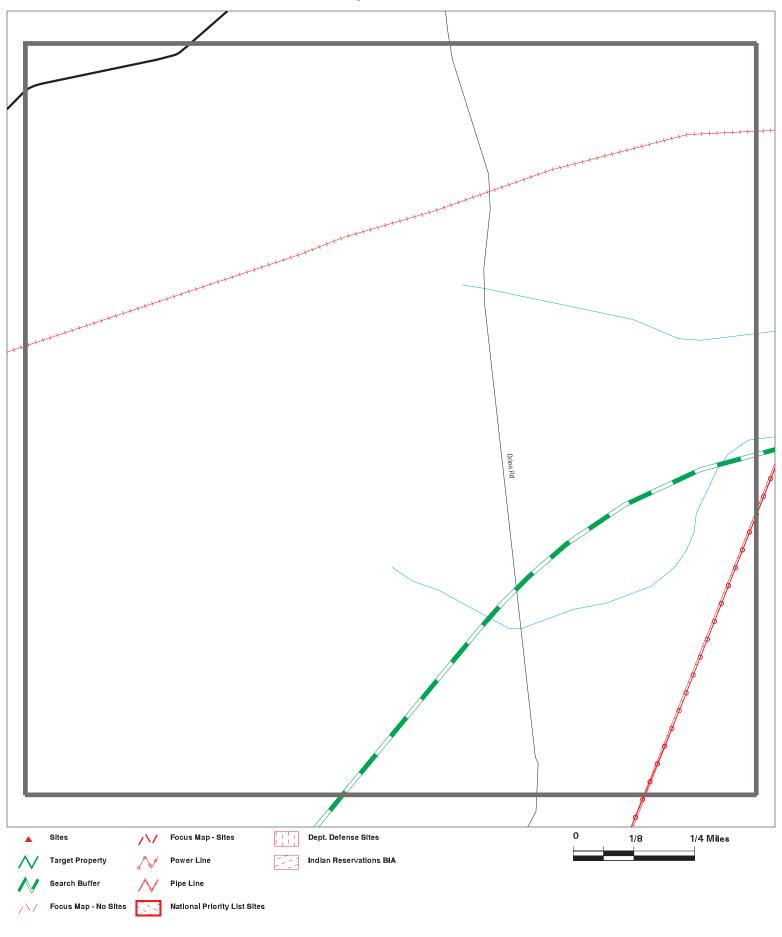
TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Focus Map - 1 - 7960636.7s



ZIP:

CITY/STATE: Jarratt VA 23867

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone INQUIRY #: 7960636.7s Wetland Studies and Solutions, Inc.

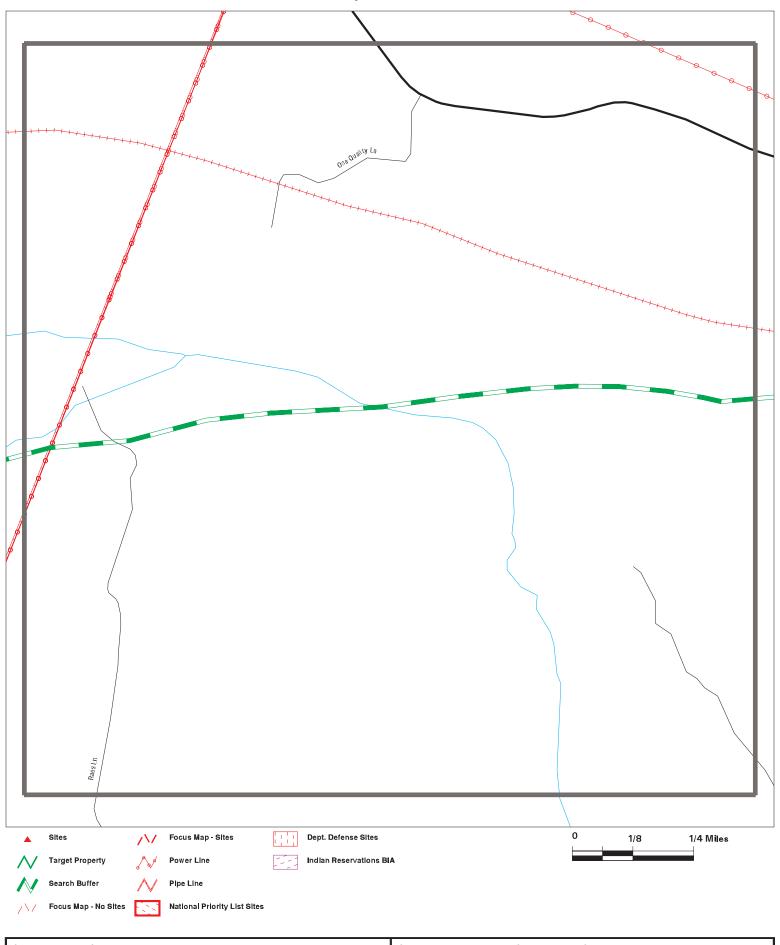
DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID /
FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS

DIST (ft. & mi.) DIRECTION

Focus Map - 2 - 7960636.7s



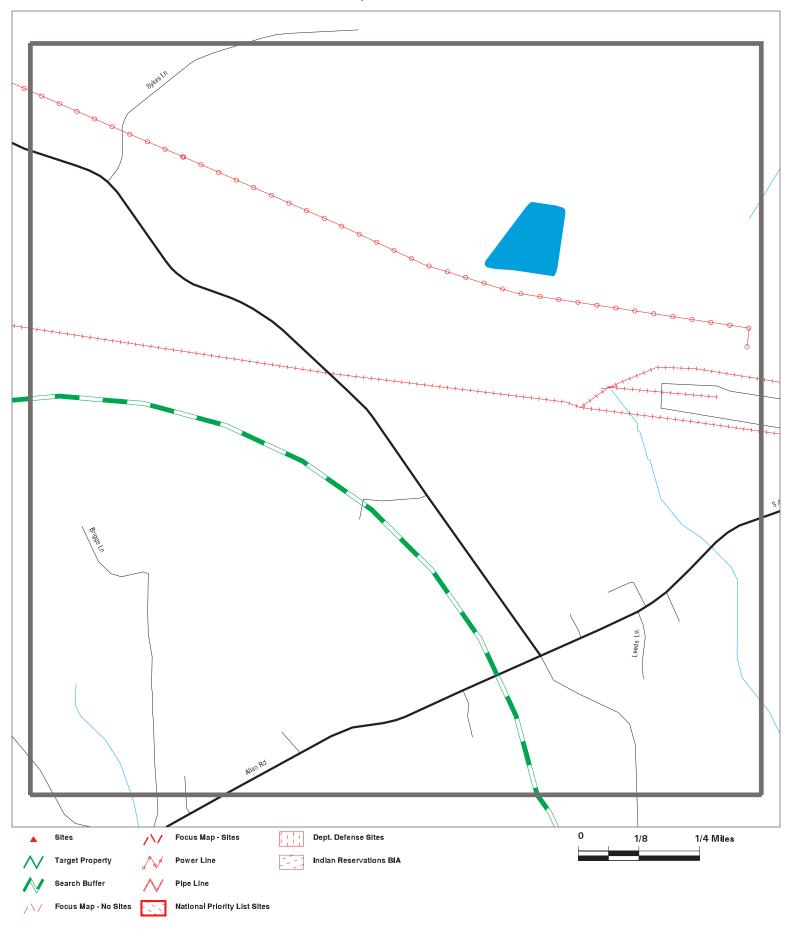
CITY/STATE: Jarratt VA 23867

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone Wetland Studies and Solutions, Inc.

INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / DIST (ft. & mi.) FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS DIRECTION



23867

CITY/STATE: Jarratt VA

ZIP:

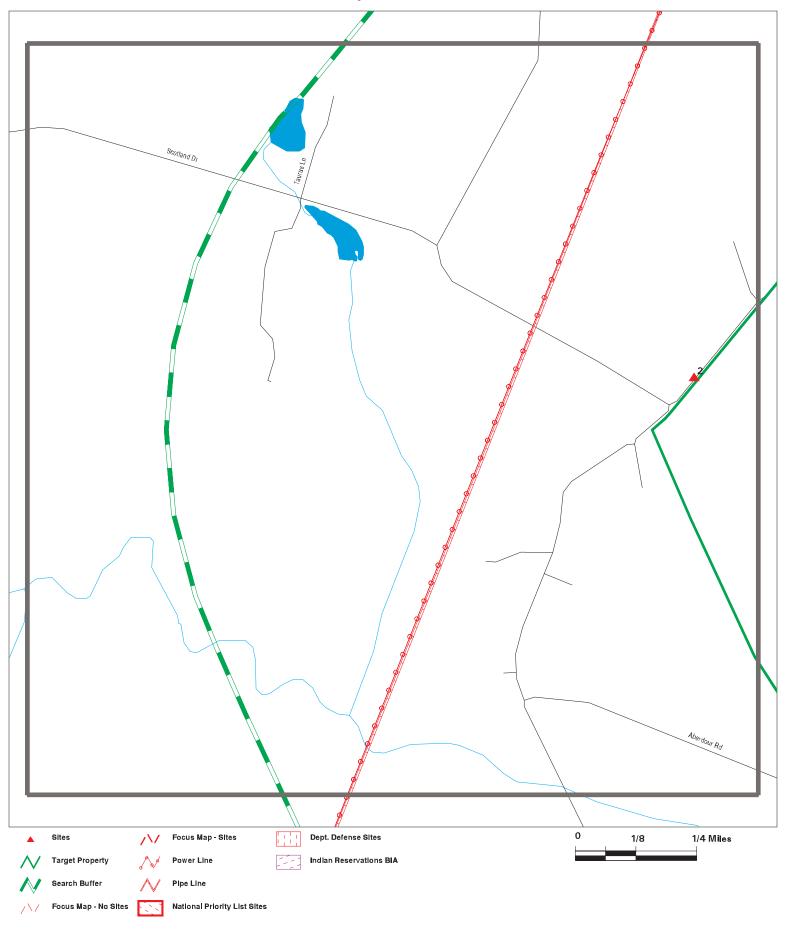
CLIENT: Wetland Studies and CONTACT: Jackson Livingstone INQUIRY #: 7960636.7s Wetland Studies and Solutions, Inc.

DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / DIST (ft. & mi.) FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS DIRECTION

Focus Map - 4 - 7960636.7s



23867

CITY/STATE: Jarratt VA

ZIP:

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone Wetland Studies and Solutions, Inc.

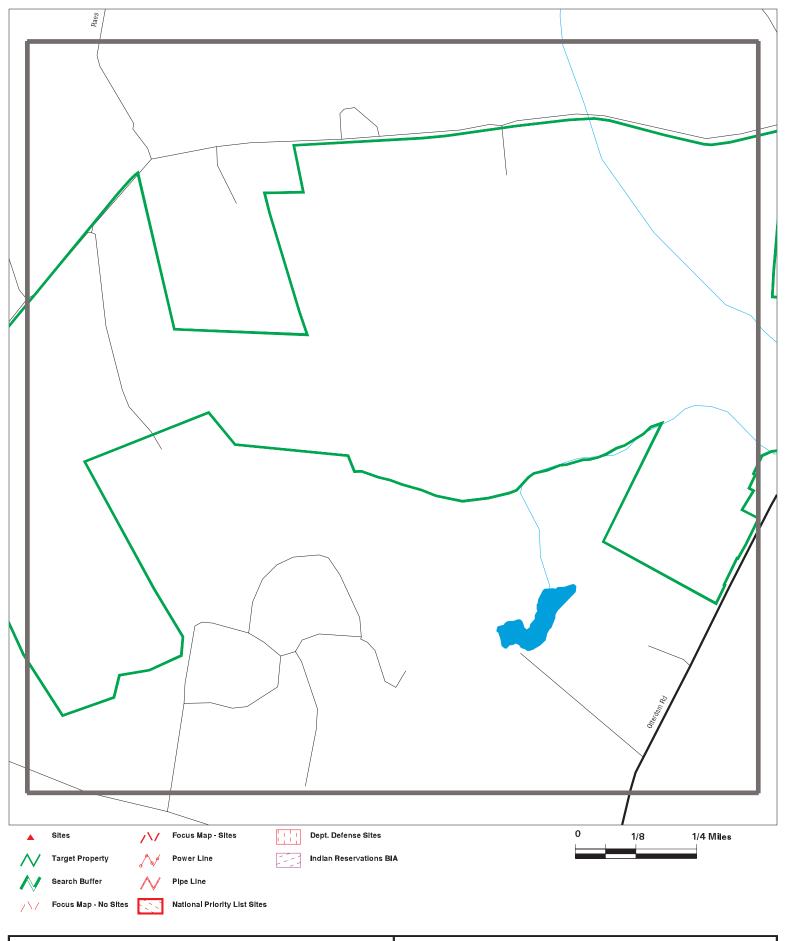
INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / DIST (ft. & mi.)
FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS DIRECTION

2 / 4 ANDERSON RALPH R AND FINDS, PFAS ECHO 47 0.009 NW

Focus Map - 5 - 7960636.7s



SITE NAME: SRF Franklin - Kistler Track ADDRESS: Allen Road

CITY/STATE: Jarratt VA ZIP: 23867

Wetland Studies and Solutions, Inc.

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone

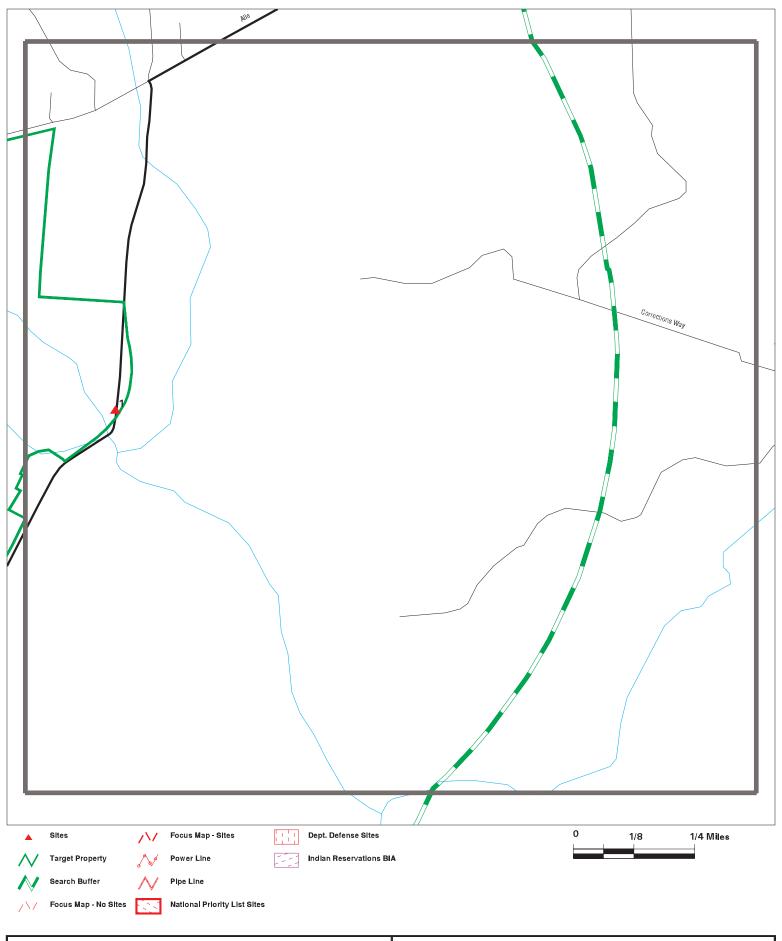
INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID /
FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS

DIST (ft. & mi.) DIRECTION

Focus Map - 6 - 7960636.7s



23867

CITY/STATE: Jarratt VA

ZIP:

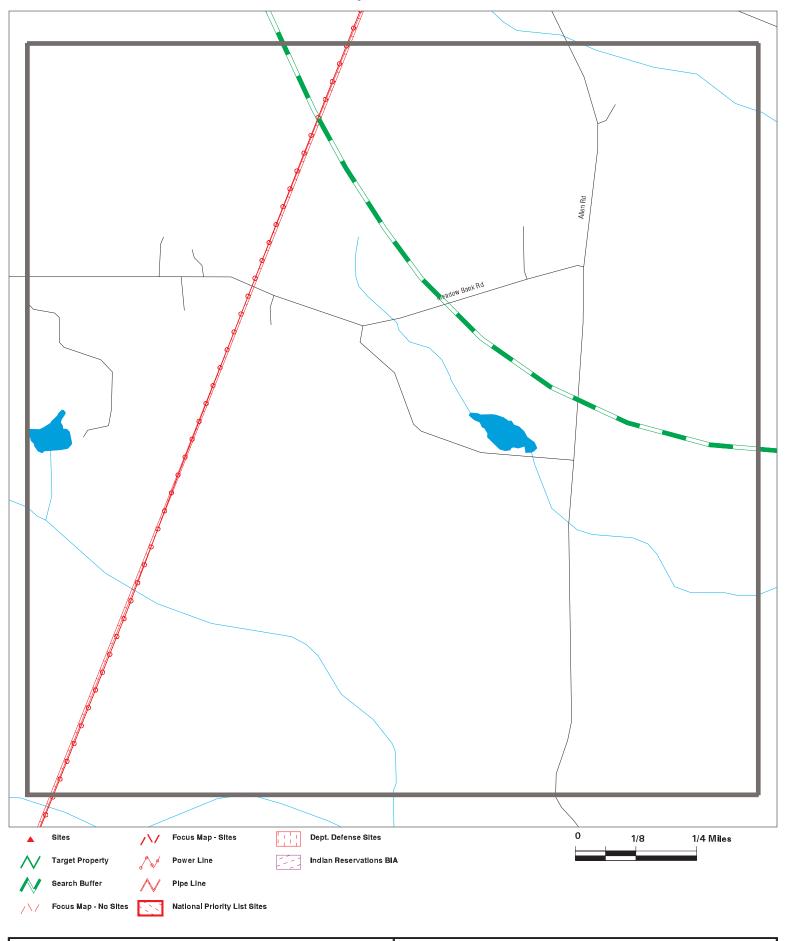
CLIENT: Wetland Studies and CONTACT: Jackson Livingstone Wetland Studies and Solutions, Inc.

INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / DIST (ft. & mi.)
FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS DIRECTION
1/6 OTTERDAM ROAD IMPROV OTTERDAM RD NPDES TP

Focus Map - 7 - 7960636.7s



CITY/STATE: Jarratt VA ZIP: 23867

Wetland Studies and Solutions, Inc.

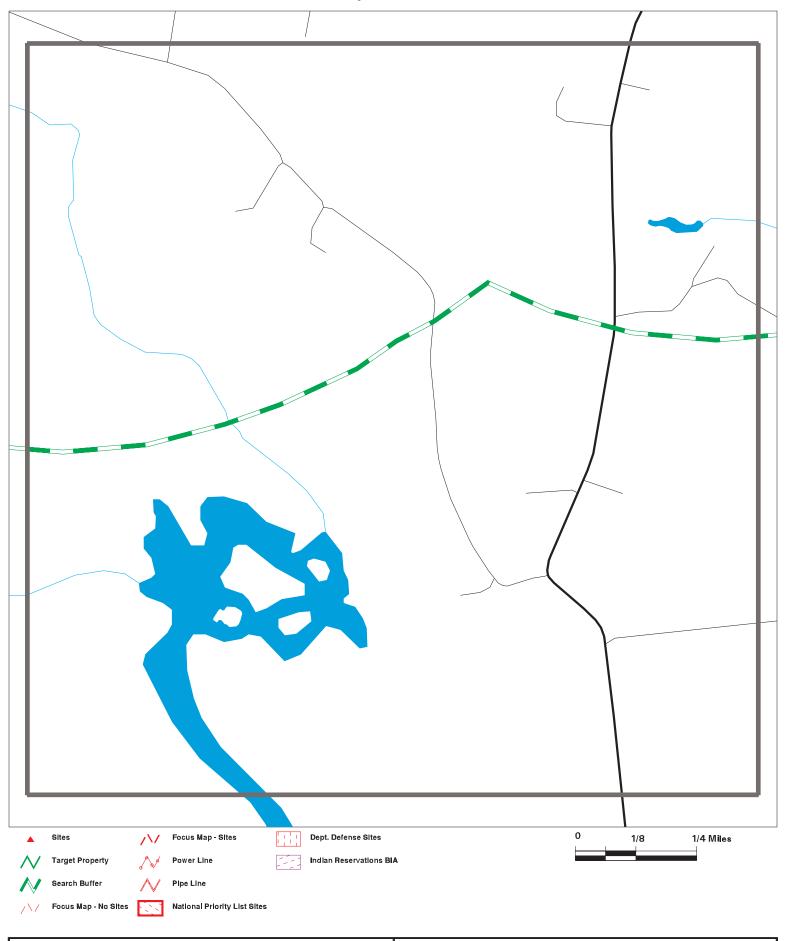
CLIENT: Wetland Studies and CONTACT: Jackson Livingstone

INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / DIST (ft. & mi.) FOCUS MAP SITE NAME ADDRESS DATABASE ACRONYMS DIRECTION

Focus Map - 8 - 7960636.7s



SITE NAME: SRF Franklin - Kistler Track

23867

ADDRESS: CITY/STATE: Jarratt VA

ZIP:

Allen Road

Wetland Studies and Solutions, Inc.

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone

INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

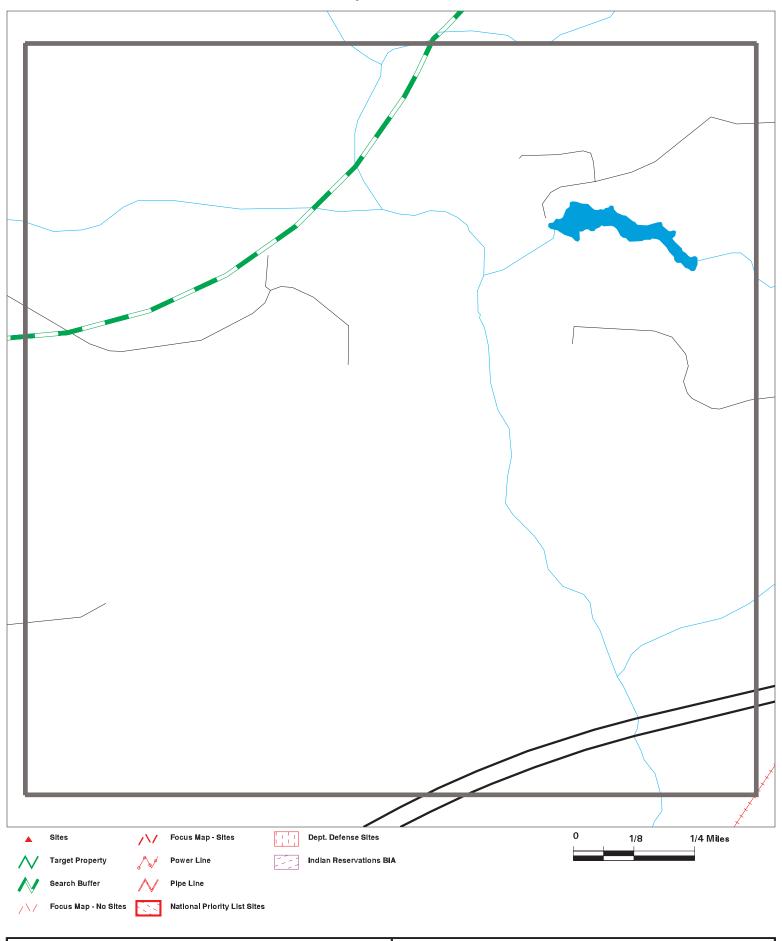
MAP ID / FOCUS MAP SITE NAME

ADDRESS

DATABASE ACRONYMS

DIST (ft. & mi.) DIRECTION

Focus Map - 9 - 7960636.7s



CITY/STATE: Jarratt VA ZIP: 23867

CLIENT: Wetland Studies and CONTACT: Jackson Livingstone Wetland Studies and Solutions, Inc.

INQUIRY#: 7960636.7s DATE: 04/17/25

Target Property: ALLEN ROAD JARRATT, VA 23867

MAP ID / FOCUS MAP SITE NAME

ADDRESS

DATABASE ACRONYMS

DIST (ft. & mi.) DIRECTION

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) **EPA ID Number**

OTTERDAM ROAD IMPROVEMENT PROJECT - PHASE II NPDES S125294228 N/A

Target OTTERDAM RD EMPORIA, VA 23847 **Property**

CEDS:

OTTERDAM ROAD IMPROVEMENT PROJECT - PHASE II Name:

Actual: Address: OTTERDAM RD 117 ft. City, State, Zip: EMPORIA, VA 23847 Facility ID: WP3-19-0798

Focus Map:

Class: Active Minor/Major: Not reported Industrial: Not reported Permit Date: 08/01/2026 Outfall Num: Not reported Latitude: 36.795876 Longitude: -77.507046 Permit Type: GP

Date Effective: 08/20/2019 Owner Address 1: Not reported Owner Address 2: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported APRD Rec. 1st Time:

05/08/2019 APRD Rec. After 1st Time: Not reported Date Permit Signed: Not reported

Event Desc: Not reported

Project Status: The widening, realignment, and improvement of a portion of Otterdam

Road.

ANDERSON RALPH R AND MARY R RESIDENCE 2

NW < 1/8 JARRATT, VA

0.009 mi. 47 ft.

Actual: FINDS:

197 ft. Registry ID: 110070598854

Focus Map:

Environmental Interest/Information System:

Click Here for FRS Facility Detail Report:

The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that

the discharge does not adversely affect water quality.

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

PFAS ECHO:

Name: Anderson Ralph R And Mary R Residence

Address: Not reported City,State,Zip: JARRATT, VA Latitude: 36.79314 Longitude: -77.54486

Count:

County: **GREENSVILLE COUNTY** **FINDS**

PFAS ECHO

1025986099

N/A

EDR ID Number

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ANDERSON RALPH R AND MARY R RESIDENCE (Continued)

1025986099

Status: Active Region: 03

Industry: Waste Management

ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110070598854

Facility Percent Minority: 51.212 Facility Derived Tribes: Facility Population: 22.22 EPA Programs: **CWA** Federal Facility: No Federal Agency: Facility FIPS Code: 51081 Facility Indian Country Flag: Ν

Facility Collection Method: ADDRESS MATCHING-HOUSE NUMBER

Facility Derived HUC: 03010201 Facility Derived WBD: 030102011001

Facility Derived CD113: 04

Facility Derived CB2010: 510818801011246

Facility Major Flag: Facility Active Flag: Υ Facility Inspection Count: 0 Facility Date Last Inspection: Facility Days Last Inspection: Facility Informal Count: 0 Facility Date Last Informal Action: Facility Formal Action Count: 0 Facility Date Last Formal Action: Facility Total Penalties: 0 Facility Penalty Count: Facility Date Last Penalty: Facility Last Penalty AMT: Facility QTRS With NC: 0 Facility Programs With SNC: 0

Facility Compliance Status: No Violation Identified

Facility SNC Flag: Ν AIR Flag: Ν NPDES Flag: Υ SDWIS Flag: Ν RCRA Flag: TRI Flag: Ν GHG Flag: Ν AIR IDS: CAA Permit Types: CAA NAICS: CAA SICS:

VAG404036 NPDES IDS: CWA Permit Types: Non-M CWA NAICS: 221320 CWA SICS: 4952 RCRA IDS: RCRA Permit Types: RCRA NAICS: SDWA IDS: SDWA System Types: SDWA Compliance Status:

Ν

TRI IDS: TRI Releases Transfers:

SDWA SNC Flag:

Map ID
Direction
Distance
Elevation Site

MAP FINDINGS
EDR ID Number
EDR ID Number
EDR ID Number
EDR ID Number

ANDERSON RALPH R AND MARY R RESIDENCE (Continued)

1025986099

TRI On Site Releases: TRI Off Site Transfers: TRI Reporter: Facility IMP Water Flag: EJSCREEN Flag US: N

EJSCREEN Report:

Count: 4 records ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EMPORIA	1028125734	MAMAC OTTERDAM ROAD IMPROVEMENTS	OTTERDAM RD WATER WHEEL RD AND ABERDOUR RD	23847	FINDS, ECHO
EMPORIA	1028121681	OTTERDAM ROAD IMPROVEMENTS PHASE II	OTTERDAM RD	23847	FINDS, ECHO
JARRATT	S126414970		ALLEN ROAD, WEST OF 2614 SOUTH ALLEN ROAD, SOUTH SHOULDER	23867	SPILLS
			OF ROAD		
JARRATT	S114545984	WOOD FUEL DEVELOPERS	S ALLEN ST	23867	AIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 12/19/2024 Source: EPA
Date Data Arrived at EDR: 01/02/2025 Telephone: N/A

Number of Days to Update: 19 Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/19/2024 Source: EPA
Date Data Arrived at EDR: 01/02/2025 Telephone: N/A

Date Made Active in Reports: 01/21/2025 Last EDR Contact: 04/01/2025 Number of Days to Update: 19 Next Scheduled EDR Contact:

Next Scheduled EDR Contact: 07/07/2025
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA Telephone: N/A

Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/20/2024 Date Data Arrived at EDR: 12/18/2024 Date Made Active in Reports: 12/20/2024

Number of Days to Update: 2

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/21/2025 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/21/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/11/2024 Date Data Arrived at EDR: 11/25/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 85

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 03/04/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/15/2024 Date Made Active in Reports: 02/11/2025

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/15/2024 Date Made Active in Reports: 02/11/2025

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 06/02/2025

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/03/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 69

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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

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

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

Source: Department of Environmental Quality

Telephone: 804-698-4236 Last EDR Contact: 03/06/2025

Next Scheduled EDR Contact: 06/23/2025

Data Release Frequency: N/A

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Management Facilities

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

Date of Government Version: 11/21/2024 Date Data Arrived at EDR: 11/25/2024 Date Made Active in Reports: 02/19/2025

Number of Days to Update: 86

Source: Department of Environmental Quality

Telephone: 804-698-4238 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

LUST REG NO: Leaking Underground Storage Tank Tracking Database

Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004 Date Data Arrived at EDR: 05/22/2004 Date Made Active in Reports: 07/09/2004

Number of Days to Update: 48

Source: Department of Environmental Quality Northern Regional Office

Telephone: 703-583-3800 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

LUST REG PD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locaitons. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greensville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

Date of Government Version: 12/02/2014 Date Data Arrived at EDR: 12/04/2014 Date Made Active in Reports: 01/16/2015

Number of Days to Update: 43

Source: Department of Environmental Quality Piedmont Regional Office

Telephone: 804-527-5020 Last EDR Contact: 08/29/2016

Next Scheduled EDR Contact: 12/12/2016 Data Release Frequency: Quarterly

LUST REG SC: Leaking Underground Storage Tanks

Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Deward; cities of Danville, Lynchburg.

Date of Government Version: 09/06/2013 Date Data Arrived at EDR: 09/06/2013 Date Made Active in Reports: 09/17/2013

Number of Days to Update: 11

Source: Department of Environmental Quality, South Central Region

Telephone: 434-582-5120 Last EDR Contact: 08/29/2016

Next Scheduled EDR Contact: 12/12/2016 Data Release Frequency: Semi-Annually

LUST REG SW: Leaking Underground Storage Tank Database

Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 07/15/2013 Date Data Arrived at EDR: 07/18/2013 Date Made Active in Reports: 09/16/2013

Number of Days to Update: 60

Source: Department of Environmental Quality Southwest Regional Office

Telephone: 276-676-4800 Last EDR Contact: 10/11/2016

Next Scheduled EDR Contact: 01/23/2017 Data Release Frequency: No Update Planned

LUST REG TD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 06/30/2013 Date Data Arrived at EDR: 07/05/2013 Date Made Active in Reports: 09/16/2013

Number of Days to Update: 73

Source: Department of Environmental Quality Tidewater Regional Office

Telephone: trofoia@deq.vir Last EDR Contact: 09/26/2016

Next Scheduled EDR Contact: 01/09/2017 Data Release Frequency: Quarterly

LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011 Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality Valley Regional Office

Telephone: 540-574-7800 Last EDR Contact: 08/29/2016

Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

LUST REG WC: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 06/04/2015 Date Data Arrived at EDR: 06/05/2015 Date Made Active in Reports: 07/07/2015

Number of Days to Update: 32

Source: Department of Environmental Quality West Central Regional Office

Telephone: 540-562-6700 Last EDR Contact: 08/29/2016

Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 01/07/2025 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 01/07/2025 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 11/01/2024 Date Data Arrived at EDR: 11/18/2024 Date Made Active in Reports: 02/12/2025

Number of Days to Update: 86

Source: Department of Environmental Quality

Telephone: 804-698-4010 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/12/2024 Date Data Arrived at EDR: 10/30/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 76

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 03/26/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

UST: Registered Petroleum Storage Tanks

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

Date of Government Version: 01/03/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/19/2025

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 804-698-4010 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

AST: Registered Petroleum Storage Tanks Registered Aboveground Storage Tanks.

> Date of Government Version: 01/03/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/19/2025

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 804-698-4010 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/15/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/08/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/07/2025 Date Data Arrived at EDR: 01/16/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 81

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Sites Listing

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

Date of Government Version: 12/18/2024 Date Data Arrived at EDR: 12/23/2024 Date Made Active in Reports: 03/12/2025

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 03/20/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 12/18/2024 Date Data Arrived at EDR: 12/23/2024 Date Made Active in Reports: 03/12/2025

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 03/20/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 12/18/2024 Date Data Arrived at EDR: 12/23/2024 Date Made Active in Reports: 03/12/2025

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 03/20/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/12/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

Date of Government Version: 01/13/2025 Date Data Arrived at EDR: 01/15/2025 Date Made Active in Reports: 04/02/2025

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 804-698-4207 Last EDR Contact: 04/15/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 09/09/2024 Date Data Arrived at EDR: 09/11/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 86 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 03/12/2025

Next Scheduled EDR Contact: 06/23/2025 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024 Date Data Arrived at EDR: 11/13/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 11/13/2024

Next Scheduled EDR Contact: 08/04/2025 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 51

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 51

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

TANKS: TANKSStorage Tank Facilities Listing

This list of storage tank facilities where tank details are not available, such as tank type not distinguished as aboveground or underground, is provided by the Virginia Department of Environmental Quality.

Date of Government Version: 01/03/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/17/2025

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 804-659-2670 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/10/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/27/2025

Number of Days to Update: 78

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/08/2012 Date Data Arrived at EDR: 08/09/2012 Date Made Active in Reports: 10/05/2012

Number of Days to Update: 57

Source: Department of Environmental Quality, Valley Regional Office

Telephone: 540-574-7800 Last EDR Contact: 05/06/2013

Next Scheduled EDR Contact: 08/19/2013 Data Release Frequency: Quarterly

SPILLS WC: Prep Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/21/2009 Date Data Arrived at EDR: 09/29/2009 Date Made Active in Reports: 10/30/2009

Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region

Telephone: 540-562-6700 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 11/18/2024 Date Data Arrived at EDR: 11/18/2024 Date Made Active in Reports: 02/12/2025

Number of Days to Update: 86

Source: Department of Environmental Quality

Telephone: 804-698-4287 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

SPILLS PC: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996 Date Data Arrived at EDR: 10/22/1996 Date Made Active in Reports: 11/21/1996

Number of Days to Update: 30

Source: Department of Environmental Quality

Telephone: 804-698-4287 Last EDR Contact: 03/08/2010

Next Scheduled EDR Contact: 06/21/2010 Data Release Frequency: No Update Planned

SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/29/2009 Date Made Active in Reports: 10/30/2009

Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region

Telephone: 703-583-3864 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 10/20/2009 Date Data Arrived at EDR: 10/29/2009 Date Made Active in Reports: 12/03/2009

Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region

Telephone: 804-527-5020 Last EDR Contact: 02/06/2012

Next Scheduled EDR Contact: 05/21/2012 Data Release Frequency: Quarterly

SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009 Date Data Arrived at EDR: 09/18/2009 Date Made Active in Reports: 10/06/2009

Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office

Telephone: 434-582-6218 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012

Data Release Frequency: Varies

SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/06/2009

Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region

Telephone: trofoia@deq.vir Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Quarterly

SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010 Date Data Arrived at EDR: 01/22/2010 Date Made Active in Reports: 02/16/2010

Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region

Telephone: 276-676-4839 Last EDR Contact: 07/13/2012

Next Scheduled EDR Contact: 10/29/2012 Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/01/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/15/2013

Number of Days to Update: 43

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 10/01/2024 Date Data Arrived at EDR: 11/12/2024 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 70

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/11/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 04/08/2025

Next Scheduled EDR Contact: 07/21/2025

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/03/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 05/19/2025

Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/06/2025

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

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

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 01/27/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 01/30/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/10/2025

Next Scheduled EDR Contact: 06/23/2025 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/11/2025 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 7

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/11/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 01/13/2025 Date Data Arrived at EDR: 01/15/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 82

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/15/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 01/29/2025 Date Data Arrived at EDR: 02/03/2025 Date Made Active in Reports: 02/27/2025

Number of Days to Update: 24

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 01/01/2025 Date Data Arrived at EDR: 01/17/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 04/10/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 02/26/2025 Date Data Arrived at EDR: 03/03/2025 Date Made Active in Reports: 04/07/2025

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025

Number of Days to Update: 100

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/03/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 03/26/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/12/2024 Date Data Arrived at EDR: 10/17/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 33

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 04/10/2025

Next Scheduled EDR Contact: 07/28/2025 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 02/24/2025

Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 02/24/2025

Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 01/30/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 03/20/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/04/2024 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/22/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2024 Date Data Arrived at EDR: 10/09/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 93

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 03/26/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/07/2025

Number of Days to Update: 16

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/23/2025

Next Scheduled EDR Contact: 05/12/2025

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 02/12/2025 Date Data Arrived at EDR: 02/12/2025 Date Made Active in Reports: 02/27/2025

Number of Days to Update: 15

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 04/01/2025

Next Scheduled EDR Contact: 07/07/2025

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

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

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 02/03/2025 Date Data Arrived at EDR: 02/18/2025 Date Made Active in Reports: 03/20/2025

Number of Days to Update: 30

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/19/2025 Date Data Arrived at EDR: 02/21/2025 Date Made Active in Reports: 03/20/2025

Number of Days to Update: 27

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/02/2024 Date Data Arrived at EDR: 08/20/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 50

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/10/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 69

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 03/12/2025

Next Scheduled EDR Contact: 06/16/2025 Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

> Date of Government Version: 06/04/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 88

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/11/2024 Date Data Arrived at EDR: 11/20/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 90

Source: EPA Telephone: (215) 814-5000

Last EDR Contact: 02/25/2025 Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 02/12/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 89

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/03/2025

Next Scheduled EDR Contact: 07/21/2025 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 12/21/2024 Date Data Arrived at EDR: 12/27/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/08/2024 Date Data Arrived at EDR: 11/08/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 67

Source: EPA Telephone: 800-385-6164

Last EDR Contact: 02/13/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention, ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/13/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute

Telephone: N/A

Last EDR Contact: 03/06/2025

Next Scheduled EDR Contact: 06/16/2025 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-267-2675 Last EDR Contact: 04/02/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

PCS: Permit Compliance System

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

Date of Government Version: 12/16/2016 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017

Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 01/12/2025 Date Data Arrived at EDR: 01/14/2025 Date Made Active in Reports: 03/20/2025

Number of Days to Update: 65

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 04/15/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/04/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Semi-Annually

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable

time, resources, and dollars for industry and states.

Date of Government Version: 02/17/2025 Date Data Arrived at EDR: 02/19/2025 Date Made Active in Reports: 03/14/2025

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 833-501-6826 Last EDR Contact: 03/18/2025

Next Scheduled EDR Contact: 06/30/2025

Data Release Frequency: Varies

PFAS: Per- and Polyfluoroalkyl Substances

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/08/2025 Date Made Active in Reports: 03/26/2025

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 804-698-4336 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025

Data Release Frequency: Varies

AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities.

Date of Government Version: 12/10/2024 Date Data Arrived at EDR: 12/12/2024 Date Made Active in Reports: 03/05/2025

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 804-698-4000 Last EDR Contact: 03/06/2025

Next Scheduled EDR Contact: 06/23/2025 Data Release Frequency: Annually

CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 11/21/2024 Date Data Arrived at EDR: 11/25/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 85

Source: Department of Environmental Quality

Telephone: 804-698-4077 Last EDR Contact: 03/06/2025

Next Scheduled EDR Contact: 06/09/2025 Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

A listing of facilities with coal ash impoundments.

Date of Government Version: 11/21/2024 Date Data Arrived at EDR: 11/25/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 804-698-4285 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/09/2025

Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List
A listing of registered drycleaners.

Date of Government Version: 01/07/2025 Date Data Arrived at EDR: 01/08/2025 Date Made Active in Reports: 03/26/2025

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 804-698-4407 Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Varies

ENFORCEMENT: Enforcement Actions Data A listing of enforcement actions.

Date of Government Version: 12/18/2024 Date Data Arrived at EDR: 12/23/2024 Date Made Active in Reports: 03/12/2025

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 804-698-4031 Last EDR Contact: 03/20/2025

Next Scheduled EDR Contact: 07/07/2025 Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing

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

Date of Government Version: 10/24/2024 Date Data Arrived at EDR: 10/25/2024 Date Made Active in Reports: 01/09/2025

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 804-698-4205 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information listing

Solid waste financial assurance information.

Date of Government Version: 01/21/2025 Date Data Arrived at EDR: 01/23/2025 Date Made Active in Reports: 04/08/2025

Number of Days to Update: 75

Source: Department of Environmental Quality

Telephone: 804-698-4123 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025

Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 12/09/2024 Date Made Active in Reports: 03/04/2025

Number of Days to Update: 85

Source: Department of Environmental Quality

Telephone: 804-698-4159 Last EDR Contact: 03/06/2025

Next Scheduled EDR Contact: 06/23/2025 Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of underground injection controls wells.

Date of Government Version: 10/09/2024 Date Data Arrived at EDR: 10/09/2024 Date Made Active in Reports: 10/16/2024

Number of Days to Update: 7

Source: Department of Mines, Minerals and Energy

Telephone: 276-415-9700 Last EDR Contact: 04/11/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Virgina and at the Regional VA Levels.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/05/2024 Date Made Active in Reports: 01/27/2025

Number of Days to Update: 83

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/04/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/27/2025

Next Scheduled EDR Contact: 07/14/2025 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

facility.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/23/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/03/2025

Next Scheduled EDR Contact: 07/21/2025 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 02/26/2025

Next Scheduled EDR Contact: 06/16/2025 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

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

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Licensed Facilities
Source: Department of Social Services

Telephone: 804-692-1900

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.





Please be advised of scheduled system maintenance on Saturday, April 26 from 8:00 PM ET to 9:00 PM ET. During this period, you may experience temporary impact on performance or down time across all services including request creation, document upload, etc. on the NextRequest portal.

Normal operations will resume immediately after maintenance. Thank you for your patience and understanding as we work to improve our system's performance.

Request Visibility:

Unpublished



Request 25-668 🗁 Open





1 of 4

Dates

Received

April 24, 2025 via web

Requester



ilivingstone@wetlands.com

1008 Old Virginia Beach Rd, Virginia Beach, VA, 23451

757-963-2008

m Wetland Studies & Solutions

Request

Any information concerning: Petroleum Storage Tanks (ASTs & USTs) Compliance (Registrations/Inspections), Remediation (Leaking Tanks, Closures), Enforcement, Drycleaner Activities, LUST and LTANKS records, SPILLS/PREP incidents, Voluntary Remediation Program Documentation for the following properties:

1003 Allen Rd, Jarrratt, VA 23867 (EPA Registry ID #110070598854)

Otterdam Rd, Emporia, VA 23847 (NPDES Facility ID #WP3-19-0798)

Timeline

Documents

Message to requester^{Requester + Staff}



Please be advised of scheduled system maintenance on Saturday, April 26 from 8:00 PM ET to 9:00 PM ET. During this period, you may experience temporary impact on performance or down time across all services including request creation, document upload, etc. on the NextRequest portal.

Normal operations will resume immediately after maintenance. Thank you for your patience and understanding as we work to improve our system's performance.

Point of contact

Kharris S Howell

provide you with the estimated cost. You will be asked if you would like to proceed with the processing of your request. Once we have your authorization to proceed with processing, we will resume processing your request.

3. **Cost over \$200:** If the processing of your request is over \$200, the Agency will provide you with the estimated cost. Once we have your authorization to proceed with processing and a \$200 downpayment, we will resume the processing of your request. See Va. Code § 2.2-3704(F).

April 24, 2025, 7:30pm

Department assignment this request

Piedmont Regional Office

April 24, 2025, 7:30pm by the requester

Request opened with access to this request

Request received via web

April 24, 2025, 7:30pm by the requester





Please be advised of scheduled system maintenance on Saturday, April 26 from 8:00 PM ET to 9:00 PM ET. During this period, you may experience temporary impact on performance or down time across all services including request creation, document upload, etc. on the NextRequest portal.

Normal operations will resume immediately after maintenance. Thank you for your patience and understanding as we work to improve our system's performance.

Request Visibility:
The Unpublished

Request 25-670 🗁 Open









Dates

Received

April 24, 2025 via web

Requester



Z Jackson Livingstone





1008 Old Virginia Beach Rd, Virginia Beach, VA, 23451



757-963-2008



Metland Studies & Solutions

Request

Any information concerning: Petroleum Storage Tanks (ASTs & USTs) Compliance (Registrations/Inspections), Remediation (Leaking Tanks, Closures), Enforcement, Drycleaner Activities, LUST and LTANKS records, SPILLS/PREP incidents, Voluntary Remediation Program Documentation for the following properties:

Allen Road, West of 2614 South Allen Road (SPILLS Reference ID #294921)

Wood Fuel Developers, S Allen St (AIRS Facility ID #200000853278)

Timeline

Documents

■ Message to requester^{Requester + Staff}

Invoices



Please be advised of scheduled system maintenance on Saturday, April 26 from 8:00 PM ET to 9:00 PM ET. During this period, you may experience temporary impact on performance or down time across all services including request creation, document upload, etc. on the NextRequest portal.

Normal operations will resume immediately after maintenance. Thank you for your patience and understanding as we work to improve our system's performance.

Kharris S Howell

provide you with the estimated cost. You will be asked if you would like to proceed with the processing of your request. Once we have your authorization to proceed with processing, we will resume processing your request.

3. **Cost over \$200:** If the processing of your request is over \$200, the Agency will provide you with the estimated cost. Once we have your authorization to proceed with processing and a \$200 downpayment, we will resume the processing of your request. See Va. Code § 2.2-3704(F).

April 24, 2025, 8:52pm

Department assignment this request

Piedmont Regional Office

April 24, 2025, 8:52pm by the requester

Request opened with access to this request

Request received via web

April 24, 2025, 8:52pm by the requester



CADE .

COMMONWEALTH of VIRGINIA STATE WATER CONTROL BOARD

Richard N. Burton Executive Director

P. O. Box III43 Richmond, Virginia 23230-1143 (804) 527-5000 TDD (804) 527-4261

STATE WATER CONTROL BOARD ENFORCEMENT ACTION

A SPECIAL ORDER

ISSUED TO

GEORGIA-PACIFIC CORPORATION

This is a special order issued by the State Water Control Board (referred to below as "the Board") under the authority of Section 62.1-44.15(8) of the Code of Virginia to the Georgia-Pacific Corporation (referred to below as "Georgia-Pacific"), which has voluntarily consented to the issuance of this order.

Georgia-Pacific owns and operates a manufacturing facility in Greensville County, Virginia. The facility is the subject of VPDES Permit No. VA0003255 ["the Permit"], which was reissued on August 31, 1992. Effluent from the facility is discharged through two outfalls to the Chetocric and Hickory Swamps in the Chowan River and Dismal Swamp basin.

The Permit requires Georgia-Pacific to develop an implementation schedule for an Individual Control Strategy [ICS] to meet limits for toxic pollutants pursuant to § 304(1) of the Clean Water Act, and a schedule for achieving compliance with effluent limitations for discharges of metals from outfalls 001 and 002. Georgia-Pacific maintains that no process water is discharged from the facility to surface water. Its discharge consists of non-contact cooling water, stormwater runoff, boiler blowdown, and steam condensate.

Georgia-Pacific has filed a Petition for a Formal Hearing challenging the reissued permit. In settlement of the contested issues in this matter, Georgia-Pacific has agreed to modify its plant operation to eliminate the discharges and the Board has agreed to waive certain Permit conditions related to toxics

monitoring and development of an ICS.

Therefore, the Board orders, and Georgia-Pacific agrees, to eliminate the discharge from the facility in accordance with the schedule set out in Appendix A. The Board and Georgia-Pacific also agree that the conditions of the Permit specified in Appendix B are waived. Upon execution of this order, Georgia-Pacific agrees to withdraw its Petition for a Formal Hearing. The Board and Georgia-Pacific understand and agree that, unless expressly provided, this order shall not be construed as altering, modifying, or amending any other term or condition contained in the Permit.

Georgia-Pacific waives its rights to a hearing on, to judicial review of, and formal service of this order. Georgia-Pacific also waives its right to written findings of fact and conclusions of law to support this order.

The Board may cancel this order in its sole discretion upon thirty days written notice; otherwise, the order may be modified only with Georgia-Pacific's agreement or after due notice and opportunity for a hearing.

This order shall become effective upon the date of its execution by the Executive Director of the Board or his designee.

And	it	is	so	ORDERED	this	24	_day	of _	J	An			199 <u>3</u> .
											urton	-	

Georgia-Pacific voluntarily agrees to the issuance of this order.

Date: December 2, 1992 By: Ronald T. allen

Title: Senior Counsel

Executive Director

State of Georgia	
City/County ofFulton	
The foregoing document was signed and acknowledged before me thi	S
2nd day of December , 1992, by Ronald T. Allen ,	
who is Senior Counsel (name)	
(title) on behalf of the Georgia-Pacific Corporation.	

Notary Public
My commission expires:

NOTARY PUBLIC, DEKALD COUNTY, GEORGIA MY COMMISSION EXPIRES SEFTERCER 18, 1894

APPENDIX A

SCHEDULE OF COMPLIANCE:

- 1. Submit a report to the Board's Piedmont Regional Office for review and approval by July 1, 1993, detailing a strategy for eliminating the discharges of non-process wastewater from the Greensville County plant. This strategy shall also include a proposal for eliminating the discharge of stormwater runoff from the coal and chip stockpiles.
- 2. Submit plans and specifications for the approved elimination strategy to the Board's Piedmont Regional Office for review and approval by January 1, 1994.
- 3. Submit a permit application to convert the existing No-Discharge Certificate No. 1114 for the facility's spray irrigation system to a Virginia Pollution Abatement Permit to reflect operational changes by January 1, 1994.
- Begin construction of facilities necessary to eliminate discharges from the Greensville County plant by July 1, 1994.
- 5. Submit a request to revoke or modify VPDES Permit No. VA0003255 to reflect operational changes by July 1, 1994.
- 6. Complete construction and eliminate the discharges by January 1, 1995.

APPENDIX B

In consideration of Georgia-Pacific's agreement to eliminate the discharges from the Greensville County facility, the Board agrees to waive the following conditions of the Permit:

- Part I(A)(1) outfall 001: effluent limitations and monitoring requirements for total recoverable copper and total recoverable zinc.
- Part I(A)(4)-(7)- outfall 001: additional conditions related to development of the ICS and monitoring for copper and zinc.
- Part I(A)(1) outfall 002: effluent limitations and monitoring requirements for total recoverable copper and total recoverable cadmium.
- Part I(A)(4)-(5)- outfall 002: additional conditions related to compliance with effluent limitations for copper and cadmium.
- Part I(B)(3) ICS: implementation schedule for an individual control strategy.
- Part I(B)(4) Toxics Management Program:
 biological monitoring, chemical monitoring, toxicity
 reduction evaluation, and related reporting



ens m

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Richard N. Burton Director

P. O. Box 10009 Richmond, Virginia 23240-0009 (804) 762-4000

TDD (804) 762-4021 STATE WATER CONTROL BOARD ENFORCEMENT ACTION

AN AMENDMENT TO A SPECIAL ORDER

ISSUED TO

GEORGIA-PACIFIC CORPORATION

This is an amendment to Appendix A of the Special Order issued on January 26, 1993, by the State Water Control Board ("the Board") under the authority of Virginia Code §§ 10.1-1185 and 62.1-44.15(8) to the Georgia-Pacific Corporation ("Georgia-Pacific"). Due to a delay in the approval process, Georgia-Pacific will be unable to meet the compliance dates set by the original Order.

Therefore, the Board orders Georgia-Pacific, and Georgia-Pacific voluntarily agrees, to comply with the schedule of compliance in the attached amended Appendix A, which supersedes Appendix A of the January 1993 Order. Both the Board and Georgia-Pacific understand and agree that this amendment does not alter, modify, or amend any other provision of the January 1993 Order or VPDES Permit No. VA0003255.

This Order shall become effective upon the date of its execution by the Director of the Department of Environmental Quality or his designee. Notwithstanding this provision, Georgia-Pacific agrees to be bound by any performance date which may occur prior to the effective date of this Order.

And it is SO ORDERED this 20 day of Soly , 1994.

Robert Marriley

Richard N. Burton Peter W Schmid

Director, Department of
Environmental Quality

-1-

The terms and conditions of this amendment are voluntarily accepted by the Georgia-Pacific Corporation.

Date: 5/20/94	By: Java de Jurupsya
	Title: Associate General Counsel
State of Georgia	
XXXXY/County of Fulton	
The foregoing document was	signed and acknowledged before me
this 20th day of May	, 1994, by
Sara S. Turnipseed, who is (name) on behalf of the Georgia-Pa	Associate General Counsel (title) acific Corporation.
	Notary Public My commission expires: NOTARY PUBLIC, DEKALD COUNTY, SECRETA MY COMMISSION EXPIRES SEPTEMBER 18, 1994

AMENDED APPENDIX A

In order to comply with the provisions of the State Water Control Law, Georgia-Pacific agrees to implement the following schedule of compliance:

- 1. Submit plans and specifications for the approved elimination strategy to the Board's Piedmont Regional Office for review and approval by August 1, 1994.
- 2. Submit a permit application to convert the existing No-Discharge Certificate No. 1114 for the facility's spray irrigation system to a Virginia Pollution Abatement Permit to reflect operational changes by August 1, 1994.
- 3. Begin construction of facilities necessary to eliminate discharges from the Greensville County plant by February 1, 1995.
- 4. Submit a request to revoke or modify VPDES Permit No. VA0003255 to reflect operational changes by February 1, 1995.
- 5. Complete construction and eliminate the discharges by August 1, 1995.



2400 POP

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Peter W. Schmidt Director P. O. Box 10009 Richmond, Virginia 23240-0009 (804) 762-4000

STATE WATER CONTROL BOARD ENFORCEMENT ACTION

AN AMENDMENT TO A SPECIAL ORDER

ISSUED TO

GEORGIA-PACIFIC CORPORATION

This is an amendment to Appendix A of the Special Order issued on January 26, 1993, and amended July 20, 1994, by the State Water Control Board ("the Board") under the authority of Virginia Code §§ 10.1-1185 and 62.1-44.15(8a) to the Georgia-Pacific Corporation ("Georgia-Pacific"). Georgia-Pacific has proposed a new strategy for the elimination of toxicity from its VPDES discharge. This change will segregate stormwater run-off from the coal and chip pile areas and allow land-application under a VPA Permit. Georgia-Pacific intends to retain its VPDES Permit for the discharge of non-contact cooling water, stormwater runoff, boiler blowdown, and steam condensate.

Therefore, the Board orders Georgia-Pacific, and Georgia-Pacific voluntarily agrees, to comply with the schedule of compliance in the attached amended Appendix A, which supersedes amended Appendix A of the July 1994 Order. Both the Board and Georgia-Pacific understand and agree that this amendment does not alter, modify, or amend any other provision of the January 1993 Order or VPDES Permit No. VA0003255.

This Order shall become effective upon the date of its execution by the Director of the Department of Environmental Quality or his designee. Notwithstanding this provision, Georgia-Pacific agrees to be bound by any performance date specified herein which may occur prior to the effective date of this Order.

And it is SO ORDERED this 2/5th day of Mule, A. Selil Janes W. Schmidt Director, Department of Environmental Quality
The terms and conditions of this amendment are voluntarily accepted by the Georgia-Pacific Corporation.
Date: March 27, 1995 By: Norald T. Allen Title: Chief Counsel, Water
State of Georgia
CXXX/County of Fulton
The foregoing document was signed and acknowledged before me
this <u>27th</u> day of <u>March</u> , 1995, by
Ronald T. Allen , who is <u>Chief Counsel</u> , Water (name) (title) on behalf of the Georgia-Pacific Corporation.
Motary Public

My Commission expires:

My Commission Expires September 11, 1922

AMENDED APPENDIX A

In order to comply with the provisions of the State Water Control Law, Georgia-Pacific agrees to implement the following schedule of compliance:

- 1. Submit modified plans and specifications for the landapplication strategy, along with a construction schedule, to DEQ's Piedmont Regional Office for review and approval by June 1, 1995.
- 2. Submit a complete permit application to convert the existing No-Discharge Certificate No. 1114 for the facility's spray irrigation system to a Virginia Pollution Abatement Permit to reflect operational changes by June 1, 1995.
- 3. Submit a request to modify VPDES Permit No. VA0003255 to reflect operational changes by June 1, 1995.



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Peter W. Schmidt Director

June 2, 1995

P. O. Box 10009 Richmond, Virginia 23240-0009 (804) 762-4000

Mr. Ronald T. Allen, Esq. Law Department Georgia-Pacific Corporation Post Office Box 105605 Atlanta, Georgia 30348

Re: Amended Consent Special Order

Georgia-Pacific Corporation, Jarratt plant

Dear Mr. Allen:

On March 28, 1995, the State Water Control Board approved the attached Amended Consent Special Order and authorized the Director of the Department of Environmental Quality to sign the Order, provided that no adverse comment was received as a result of public notice. Notice was published in the Emporia Independent-Messenger on April 6, 1995, and in the Richmond Times-Dispatch on April 13, 1995, and no adverse comment was received during the 30-day public notice period. The Director's designee signed the Amended Order on May 21, 1995. A copy of the signed Order is enclosed.

If you have any questions or comments regarding this Order, please contact me at the above address or by telephone at (804) 762-4281. Thank your for your assistance in resolving this matter.

Sincerely,

Culturally Cold Elizabeth V. Scott, Esq. Office of Enforcement

enclosure

cc: DEQ- Piedmont Regional Office

DEQ- OECA Master File

DEQ- OECA Compliance Auditor

CASE CLOSURE/DEREFERRAL MEMORANDUM

I. GENERAL INFORMATION

TO: File

FROM: Jennifer Hoeffner

DATE: October 9, 2008

COPY: Boots King

RE: Georgia-Pacific Wood Products LLC

[X] Permitted Facility. Reg. No.: 50253

[| Complaint. Complaint No.:

Referral Date: December 14, 2007

Location and/or Address: Georgia-Pacific Wood Products LLC

116 S. Allen Road Jarratt, VA 23867

II. REASON FOR CLOSURE

[] Compliance achieved through informal action.

[] Letter of Agreement issued.

[X] Consent order issued.

[] Referral. Referred to:

Contact: Jennifer Hoeffner Phone: (804) 527-5123

Comments: On September 7, 2007, DEQ received a letter from Georgia-Pacific Wood Products
LLC (GP) reporting that the facility was above its Title V Operating Permit (Permit) Hydrogen
Chloride (HCL) emission limit for its Keeler coal-fired boiler No. 3. DEQ staff performed a review
of information that GP provided and found that GP was in violation of the Virginia State Air
Pollution Control Board Regulations for exceeding the Permit's emission limitation. To rectify this

situation, GP arranged to obtain low chloride-content coal from its suppliers. On November 16, 2007, DEQ staff performed a review of information provided by GP and found GP to be in compliance with the HCL emission limit.

A Consent Order containing a \$7,300 civil charge, corrective actions, and a Supplemental Environmental Project (SEP) was issued on June 30, 2008 to resolve the violation.

III. REASON FOR DEREFERRAL

Comments: The facility paid the civil charge, completed the corrective actions and the SEP as required by the Order. Staff recommends termination of the Order.

IV. RECOMMENDATION

Recommended by: 2008	Jennifer Hoeffner	Enforcement Specialist, Sr.	October 8.
	Name	Title	Date
V. CONCURI	Turan 10/9	Media Manager and/or	
Deputy Regional D	irector pate		Date



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

L. Preston Bryant, Jr. Secretary of Natural Resources PIEDMONT REGIONAL OFFICE 4949-A Cox Road, Glen Allen, Virginia 23060 (804) 527-5020 Fax (804) 527-5106 www.deg.virginia.gov

David K. Paylor Director

Gerard Seeley, Jr. Regional Director

AIR POLLUTION CONTROL BOARD ENFORCEMENT ACTION ORDER BY CONSENT ISSUED TO GEORGIA-PACIFIC WOOD PRODUCTS LLC Registration Number 50253

SECTION A: Purpose

This is a Consent Order issued under the authority of Va. Code § 10.1-1309 and § 10.1-1316, between the Air Pollution Control Board and Georgia-Pacific Wood Products LLC, for the purpose of resolving certain alleged violations of environmental law and/or regulations.

SECTION B: Definitions

Unless the context clearly indicates otherwise, the following words and terms have the meaning assigned to them below:

- 1. "Va. Code" means the Code of Virginia (1950), as amended.
- "Air Pollution Control Law" means the Va. Code § 10.1-1300 et seq.
- "Board" means the State Air Pollution Control Board, a permanent collegial body of the Commonwealth of Virginia as described in Code §§ 10.1-1301 and 10.1-1184.
- 4. "Boiler" means the Keeler coal-fired boiler No. 3.
- 5. "Director" means the Director of the Department of Environmental Quality.
- "Department" or "DEQ" means the Department of Environmental Quality, an agency of the Commonwealth of Virginia as described in Va. Code § 10.1-1183.

- 7. "Facility" means the GP soft board sheathing manufacturing facility located at 116 South Allen Road in Jarrett, Virginia.
- "GP" means Georgia-Pacific Wood Products LLC, a corporation certified to do business in Virginia and its affiliates, partners, subsidiaries, and parents.
- "MACT DDDDD" means the National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, Institutional Boilers and Process Heaters from Title 40 of the Code of Federal Regulations Part 63.
- 10. "Order" means this document, also known as a Consent Order.
- "Permit" means the Title V Operating Permit ("TV") permit (Registration Number 50253) issued to Georgia-Pacific Wood Products LLC, dated September 7, 2004.
- "PRO" means the Piedmont Regional Office of DEQ, located in Glen Allen, Virginia.
- 13. "Regulations" means the Commonwealth of Virginia State Air Control Board Regulations for the Control and Abatement of Air Pollution.

SECTION C: Findings of Fact and Conclusions of Law

- 1. Georgia-Pacific Wood Products LLC operates a soft board sheathing manufacturing facility located at 116 South Allen Road in Jarrett, Virginia.
- The Facility is a major stationary source and was issued a Permit to operate the Boiler.
 The Permit incorporates a Hydrogen Chloride ("HCL") emission limit of 5.38 lb/hr for
 the Boiler.
- Virginia Code § 10.1-1322 of the State Air Pollution Control Law and 9 VAC 5-80-260(A)(1) of the Virginia Regulations require the Facility to abide by the conditions of the issued Permit.
- On July 31, 2007, Advance Industrial Resources conducted testing for GP to assess the Facility's ability to comply with the proposed emission limits set forth in the federal MACT DDDDD regulation.
- 5. On August 27, 2007, GP received notification from Advance Industrial Resources that the Facility exceeded the Permit's HCL emission limit during the July 31, 2007, testing; the HCL emission rate was 6.5 lbs/Hr. This information was received just as the Facility was shutting down for a scheduled outage.
- 6. GP conducted an investigation and identified the cause of the HCL exceedance to be the chloride content in the coal used in the Boiler. To rectify this situation, the Facility

arranged to obtain low chloride-content coal from its suppliers. The Facility also required that its coal suppliers certify each coal shipment for the fuel content, which includes the chloride-content.

- 7. On September 7, 2007, GP started operations again at the Facility.
- 8. On September 10, 2007, DEQ received a letter from GP detailing the above events.
- On September 18, 2007, GP conducted testing to verify compliance with the HCL emission limit.
- 10. On September 25, 2007, DEQ staff met with GP representatives to discuss the exceedance of the HCL emission limit. During the meeting, GP provided copies of the July 31, 2007, testing reports.
- 11. DEQ staff performed a review of the HCL testing reports provided by GP, and found the following violation:
 - a. HCL emissions from the Boiler exceeded the Permit's emissions limitations, as set by 9 VAC 5-50-280 and 9 VAC 5-80-260(A).
- On November 16, 2007, DEQ staff performed a review of the September 18, 2007 HCL
 test reports provided by GP and found GP to be in compliance with the HCL emission
 limit.
- 13. On December 14, 2007, DEQ issued Notice of Violation ("NOV") Number 07-12-PRO-401 regarding the above-described violation.

SECTION D: Agreement and Order

Accordingly, the Board, by virtue of the authority granted it pursuant to VA Code §§ 10.1-1309 and 10.1-1316 and upon consideration of Va. Code § 10.1-1186.2, the Board orders GP, and GP agrees, to perform the actions described below and in Appendix A and Appendix B of this Order. In addition, the Board orders GP, and GP voluntarily agrees, to a civil charge of \$7300 in settlement of the violations cited in this Order, to be paid as follows:

GP shall pay \$1825 of the civil charge within 30 days of the effective date of this Order.
 Payment shall be made by check, certified check, money order or cashier's check payable to the "Treasurer of Virginia," delivered to:

Receipts Control
Department of Environmental Quality
Post Office Box 1104
Richmond, Virginia 23218

The payment shall include GP's Federal ID number (56-2306374) and shall identify that payment is being made as a result of this Order.

- GP shall satisfy \$5475 of the civil charge by satisfactorily completing the Supplemental Environmental Project (SEP) described in Appendix B of this Order.
- 3. The net project cost of the SEP to GP shall not be less than the amount set forth in Paragraph D.2. If it is, GP shall pay the remaining amount in accordance with Paragraph D. 1 of this Order, unless otherwise agreed to by the Department. "Net project costs" means the net present after-tax cost of the SEP, including tax savings, grants, and first-year cost reductions and other efficiencies realized by virtue of project implementation. If the proposed SEP is for a project for which the party will receive an identifiable tax savings (e.g., tax credits for pollution control or recycling equipment), grants, or first-year operation cost reductions or other efficiencies, the net project cost shall be reduced by those amounts. The costs of those portions of SEP's that are funded by state or federal low-interest loans, contracts, or grants shall be deducted.
 - 4. By signing this Order GP certifies that it has not commenced performance of the SEP.
 - GP acknowledges that it is solely responsible for completing the SEP project. Any
 transfer of funds, tasks, or otherwise by GP to a third party, shall not relieve GP of its
 responsibility to complete the SEP as described in this Order.
 - In the event it publicizes the SEP or the SEP results, GP shall state in a prominent manner that the project is part of a settlement of an enforcement action.
 - 7. The Department has the sole discretion to:
 - a. Authorize any alternate, equivalent SEP proposed by the Facility; and
 - Determine whether the SEP, or alternate SEP, has been completed in a satisfactory manner.
 - 8. Should the Department determine that GP has not completed the SEP, or alternate SEP, in a satisfactory manner, the Department shall so notify GP in writing. Within 30 days of being notified, GP shall pay the amount specified in Paragraph D.2., above, as provided in Paragraph D.1., above.

SECTION E: Administrative Provisions

- The Board may modify, rewrite, or amend the Order with the consent of GP, for good cause shown by GP, or on its own motion after notice and opportunity to be heard.
- This Order only addresses and resolves the violations specifically identified herein, including those matters addressed in the Notice of Violation issued to GP

by DEQ on December 14, 2007. This Order shall not preclude the Board or the Director from taking any action authorized by law, including but not limited to: (1) taking any action authorized by law regarding any additional, subsequent, or subsequently discovered violations; (2) seeking subsequent remediation of GP as may be authorized by law; or (3) taking subsequent action to enforce the Order. This Order shall not preclude appropriate enforcement actions by other federal, state, or local regulatory authorities for matters not addressed herein.

- For purposes of this Order and subsequent actions with respect to this Order, GP
 admits the jurisdictional allegations, factual findings, and conclusions of law
 contained herein.
- GP consents to venue in the Circuit Court of the City of Richmond for any civil action taken to enforce the terms of this Order.
- 5. GP declares it has received fair and due process under the Administrative Process Act, Va. Code §§ 2.2-4000 et seq., and the State Air Pollution Control Law and it waives the right to any hearing or other administrative proceeding authorized or required by law or regulation, and to any judicial review of any issue of fact or law contained herein. Nothing herein shall be construed as a waiver of the right to any administrative proceeding for, or to judicial review of, any action taken by the Board to enforce this Order.
- 6. Failure by GP to comply with any of the terms of this Order shall constitute a violation of an order of the Board. Nothing herein shall waive the initiation of appropriate enforcement actions or the issuance of additional orders as appropriate by the Board or the Director as a result of such violations. Nothing herein shall affect appropriate enforcement actions by any other federal, state, or local regulatory authority.
- 7. If any provision of this Order is found to be unenforceable for any reason, the remainder of the Order shall remain in full force and effect.
- 8. GP shall be responsible for failure to comply with any of the terms and conditions of this Order unless compliance is made impossible by earthquake, flood, other acts of God, war, strike, or such other occurrence. GP shall show that such circumstances were beyond its control and not due to a lack of good faith or diligence on its part. GP shall notify the DEQ Regional Director in writing when circumstances are anticipated to occur, are occurring, or have occurred that may delay compliance or cause noncompliance with any requirement of the Order. Such notice shall set forth:
 - a. the reasons for the delay or noncompliance;
 - b. the projected duration of any such delay or noncompliance;

- the measures taken and to be taken to prevent or minimize such delay or C. noncompliance; and
- the timetable by which such measures will be implemented and the date d. full compliance will be achieved.

Failure to so notify the Regional Director within 24 hours of learning of any condition above, which the parties intend to assert will result in the impossibility of compliance, shall constitute a waiver of any claim to inability to comply with a requirement of this Order.

- 9. This Order is binding on the parties hereto, their successors in interest, designees and assigns, jointly and severally.
- This Order shall become effective upon execution by both the Director or his 10. designee and GP. Notwithstanding the foregoing, GP agrees to be bound by any compliance date, which precedes the effective date of this Order.
- This Order shall continue in effect until the Director or Board terminates the 11. Order in his or its sole discretion upon 30 days written notice to GP. Termination of this Order, or any obligation imposed in this Order, shall not operate to relieve GP from its obligation to comply with any statute, regulation, permit condition, other order, certificate, certification, standard, or requirement otherwise applicable.
- By its signature below, Georgia-Pacific Wood Products LLC voluntarily agrees to 12. the issuance of this Order.

And it is so ORDERED this day of

Gerard Seeley Jr., Regional Director Department of Environmental Quality

Georgia-Pacific Wood Products LLC voluntarily agrees to the issuance of this Order.

By: Melcolog W.

Date: 0 6/20 / 200

DOROTHY G. PEGRAM

GP Reg. #50253 Consent Order Page 7 of 9						
Commonwealth of	Virginia					
City/County of	SUSSEX					
The foregoing doc		d and acknowledge Malcolm (name)				_ day of _, who is
Plant May	usy et of	Georgia-Pacific W	ood Pro	ducts LLC	on beh	alf of the
Corporation.						
			citly	D Potary Publi	gra c	n
My	commission exp	ires: AUGu	st 3	1, 2011		

APPENDIX A

- During the period beginning with the effective date of this Order and lasting until the Permit modification is issued, GP shall abide by the following recordkeeping requirements (in addition to those in the current permits):
 - a. GP shall obtain a certification from the fuel supplier with each shipment of coal. Each fuel supplier certification shall include the following:
 - i. The name of the coal supplier;
 - ii. The location of the coal where the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the facility or whether the sample was collected from coal storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant where the sample was collected;
 - iii. The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the chloride content; and
 - iv. The methods used to determine the properties of the coal.
 - b. GP shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with the HCL Permit emission limit. These records shall include, but are not limited to, all fuel supplier certifications for each shipment of coal including the chloride content per shipment of coal.
 - GP shall submit documentation of HCL emissions in lbs/hr, lbs/mmbtu, and tons/yr to DEQ on a monthly basis.
- 2. Documents to be submitted to the Department, other than the civil charge payment described in Section D of the Order, shall be sent to:

Jennifer Hoeffner Department of Environmental Quality Piedmont Regional Office 4949-A Cox Road Glen Allen, Virginia 23060

APPENDIX B

GP shall perform the SEP identified below in the manner specified in this Appendix.

- The SEP to be performed by GP is the purchase of HAZMAT materials for the Jarratt Volunteer Fire Department, located in Jarratt, VA.
- 2. The SEP shall be completed within 60 days of effective date of the Order.
- 3. GP shall submit a written final report on the SEP, verifying that the SEP has been completed in accordance with the terms of this Order, and certified either by a Certified Public Accountant or by a responsible corporate officer or owner. GP shall submit the final report and certification to the Department within 90 days from the effective date of the Order.
- 4. If the SEP has not or cannot be completed as described in the Order, GP shall notify DEQ in writing no later than 15 days of becoming aware of the fact that the SEP cannot be completed as described in the Order. Such notification shall include:
 - a. An alternate SEP proposal, or
 - b. Payment of the amount specified in Paragraph D.2 as described in Paragraph D.1.
- GP hereby consents to reasonable access by DEQ or its staff to property or documents under the party's control, for verifying progress or completion of the SEP.
- 6. GP shall submit to the Department written verification of the final overall and net project cost of the SEP in the form of a certified statement itemizing costs, invoices and proof of payment within 30 days of the project completion date. For the purposes of this submittal, net project costs can be either the actual, final net project costs or the projected net project costs if such projected net project costs statement is accompanied by a CPA certification or certification from GP's Chief Financial Officer concerning the projected tax savings, grants or first-year operation cost reductions or other efficiencies.
- Documents to be submitted to the Department, other than the civil charge payment described in Section D of the Order, shall be sent to:

Jennifer Hoeffner Department of Environmental Quality Piedmont Regional Office 4949-A Cox Road Glen Allen, Virginia 23060



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III Governor

John Paul Woodley, Jr. Secretary of Natural Resources

PIEDMONT REGIONAL OFFICE

4949-A Cox Road Glen Allen, Virginia 23060 (804) 527-5020 Fax (804) 527-5106 http://www.deq.state.va.us Dennis H. Treacy Director

Gerard Seeley, Jr.
Piedmont Regional Director

CONSENT ORDER WITH

Georgia-Pacific Corporation Jarratt Softboard Plant P.O. Box 367 Jarratt, Virginia 23867

Registration No. 50253

SECTION A: Purpose

To establish an opacity limit wavier and a Source Specific State Implementation Plan for the softboard drier at the Georgia-Pacific Jarratt Softboard Plant. The Jarratt Softboard Plant can not consistently demonstrate compliance with the opacity limit specified in 9 VAC 5-40-320 of the SAPCB Regulations, but has demonstrated compliance with the standard for particulate matter contained in 9 VAC 5-40-260.

SECTION B: References

Unless the context indicates otherwise, the following words and terms have the meanings assigned to them below:

"Board" or "SAPCB" means the State Air Pollution Control Board, a collegiate body of the Commonwealth of Virginia described in $\S 10.1-1301$ of the Code. Particular powers and duties of the Board are referred to in Section C of this document.

"CAA" means 42 USC 7401 et seq., and 91 Stat 685.

"Code" means the Code of Virginia (1950), as amended.

"DEQ" or "Department" means the Department of Environmental Quality, an agency of the Commonwealth described in § 10.1-1183 of the Code.

"Director" means the director of the Department of Environmental Quality. Particular powers and duties of the Director are described in Section C of this document.

"EPA" means the U.S. Environmental Protection Agency, Region III. located at 841 Chestnut Building, Philadelphia, Pennsylvania 19107-4431.

"Federal Operating Permit" means a permit issued under Article 1 (9 VAC 5-80-50 et seq.) or Article 3 (9 VAC 5-80-360 et seq.) of Part II of 9 VAC 5 Chapter 80.

"GP" means the Georgia-Pacific Corporation, Jarratt Softboard Plant, located 116 South Allen Road, Jarratt, Virginia. Georgia-Pacific is a Georgia Corporation licensed to do business in the Commonwealth of Virginia.

"Opacity" means the degree to which emissions reduce the transmission of light and obscure the view of an object in the background, expressed as a percentage.

"Order" means this Consent Order.

"SAPCB Regulations" means 9 VAC 5 Chapters 10 through 80 and 9 VAC 5 Chapter 170.

"SIP" or "State Implementation Plan" means the portion or portions of the plan, or the most recent revision thereof, which has been approved under § 110 of the federal Clean Air Act, or promulgated under § 110(c) of the federal Clean Air Act, or promulgated or approved pursuant to regulations promulgated under § 301(d) of the federal Clean Air Act and which implements the relevant requirement of the federal Clean Air Act.

"VAC" refers to the Virginia Administrative Code, which incorporates the SAPCB Regulations.

SECTION C: Authority

- 1. Chapter 13 of Title 10.1 of the Code creates the Board and vests in it the authority to supervise and control various aspects of air pollution in the Commonwealth. Among the Board's powers is the authority to promulgate regulations "abating, controlling and prohibiting" air pollution, found in § 10.1-1308 of the Code.
- 2. Pursuant to its authority, the Board promulgated the SAPCB Regulations, which first took effect March 17, 1972, and have been amended. The SAPCB Regulations have been incorporated into Title 9 of the Virginia Administrative Code.
- 3. Pursuant to § 10.1-1307 D of the Code, the Board has the authority to issue orders to diminish or abate the causes of air pollution and to enforce its regulations. Orders of the Board are enforceable pursuant to §§ 10.1-1316 and 10.1-1320 of the Code.
- 4. The Director is the executive officer of the Board. Under §§ 10.1-1307.2 A and 10.1-1185 of the Code, the Director is to perform those duties required of him by the Board. Additionally under § 10.1-1307.3 of the Code, the Director has such powers to supervise, administer and enforce the provisions of Chapter 13 of Title 10.1 of the Code, as well as the regulations and orders of the Board. The powers and duties conferred and imposed upon the Director under §§ 10.1-1307.2 and 10.1-1307.3 of the Code are continued under § 10.1-1185 of the Code.
- 5. Under § 10.1-1307.2 B of the Code, the Director may be vested with the authority of the Board when it is not in session, subject to such regulations or delegation as may be prescribed by the Board. 9 VAC 5-170-180 of the SAPCB Regulations contains the Delegation of Authority from the Board to the Director. In subdivision B of 9 VAC 5-170-180 the Director is given the authority, with some exceptions, to act for the Board when it is not in session and to issue consent orders and emergency special orders.
- 6. Pursuant to § 10.1-1316 C of the Code, the Board has the authority to negotiate civil charges and provide for them in any order issued by the Board.

SECTION D: Findings

1. On March 12, May 20 and May 21, 1997, EPA and DEQ representatives inspected the GP facility process operations for compliance with

the Virginia SIP including Rule 4-1 (Emission Standards for Visible Emissions and Fugitive Dust/Emissions).

- 2. On June 13, 1997, the EPA issued a Notice of Violation to GP for a violation of the federally enforceable Virginia SIP based on the observation of visible emissions from the Keeler boiler stack and the number two (2) Dryer stack.
- On July 1, 1997, EPA issued a CAA § 114 Request for Information. Testing and Monitoring to GP.
- 4. On July 17 and 18, 1997 GP performed a Reference Method 5 and Reference Method 202 stack test on the boiler and dryer stacks.
- 5. On August 5, 1997 GP submitted a request for a waiver under 9 VAC 5-40-120 from the 20 percent opacity limit.
 - 9 VAC 5-40-120 A states:

A waiver from the opacity emission limitation in 9 VAC 5-40-80 may be granted by the executive director, provided that a technical decision is reached that the plume opacity observations made in accordance with 9 VAC 5-40-20 A 2 and 9 VAC 5-40110 are not representative of the pollutant loading of the plume.

7. On August 7 and 8, 1997. Charles King, DEQ. Piedmont Regional Office. Air Compliance Manager. performed a technical review of the data submitted by GP in their August 5, 1997, request for a waiver from the 20 percent opacity limit. The findings of this review were that GP is in compliance with the applicable particulate emissions standard (9 VAC 5-40-260) but cannot consistently comply with the applicable visible emissions standard (9 VAC 5-40-320). Therefore, the regulations allow for a waiver of the visible emissions standard when this type of source specific condition occurs.

SECTION E: Agreement and Order

Accordingly, the Board orders and Georgia-Pacific Corporation agrees that:

1. GP shall not exceed 50 percent opacity from the Softboard drier zone stacks one and two except for one six-minute period in any one hour of not more than 60 percent opacity and during periods of start-up, shutdown, and malfunction.

- 2. GP shall conduct quarterly Visible Emissions Evaluations of the Softboard drier zone stacks one and two, when valid Reference Method 9 parameters can be obtained. These records shall be maintained on site and made available for inspection or submitted to DEQ upon request.
- 3. GP shall perform a Reference Method 5 and Reference Method 202 stack test on Softboard drier zone stacks number one and two once every two years beginning from the execution date of this Order. This test data shall be submitted to the DEQ. Piedmont Regional Office within forty five days from the date the tests are conducted.
- 4. GP shall include the requirements of this Order in their Federal Operating Permit application.
- 5. The Board may modify, rewrite, or amend this Order with the consent of Georgia-Pacific Corporation, for good cause shown by Georgia-Pacific Corporation, or on its own motion provided approval of the changes is accomplished in accordance with SAPCB regulations, the Administrative Process Act (§ 9-6.14:1 et. seq.) and 40 CFR Part 51 (Requirements for Preparation, Adoption, and Submittal of Implementation Plans).
- 6. So long as this Order remains in effect, Georgia-Pacific Corporation waives the right to any hearing pursuant to §§ 9-6.14:11 and 9-6.14:12 of the Code and to judicial review of any issue of fact or law contained herein. Nothing herein, however, shall be construed as a waiver of the right to a hearing or to judicial review of any action taken by the Board to enforce this Order.
- 7. Failure by Georgia-Pacific Corporation to comply with any of the terms of this Order shall constitute a violation of an Order of the Board. Nothing herein shall waive the initiation of appropriate enforcement actions or the issuance of additional orders as appropriate by the Board as a result of such violations. Nothing herein shall affect appropriate enforcement actions by any other federal, state, or local regulatory authority.
- 8. Georgia-Pacific Corporation declares it has received fair and due process under the Administrative Process Act (Code § 9-6.14:1 et seq.).
- 9. This Order shall supersede the Order previously executed on August

- 11, 1997. "Opacity Waiver for Georgia-Pacific Corporation, Jarratt Softboard Plant, Jarratt, Virginia." The previous order is being superseded because it did not meet the requirements of 40 CFR Part 51.
- 10. This Order shall become effective upon signature by both parties and shall continue in effect indefinitely or until otherwise terminated by the Board.

The foregoing Consent Order has been executed on behalf of the DEPARTMENT OF ENVIRONMENTAL QUALITY of the COMMONWEALTH OF VIRGINIA and on behalf of Georgia-Pacific Corporation, each by its duly authorized representatives, or self, on the dates indicated below.

DEPARTMENT OF ENVIRONMENTAL QUALITY OF THE COMMONWEALTH OF VIRGINIA

9/28/98 (date)	BY: Joe for (Bennis	H. Treacy Director
	GEORGIA-PACI	FIC CORPORATION
Sept 18, 98 (date)	John Ma Vice Pr	asaschi resident, rial Wood Products
The foresting instrume		
The foregoing instrume his 1845 day of Sept		
John MASASC		of
name of officer or agent and		
orporation, on behalf of the	e corporation.	Donna C. Morrell Notary Public, State of Georgia My Commission Expires 6-2-200
166		

12/

STATE AIR POLLUTION CONTROL BOARD

WALLAGE E. REED, CHAIRMAN CHARLOTTESVILLE

TIMOTHY E BARROW, VICE CHAIRMAN VIRGINIA BEACH

SAM C. BROWN, JR. VIRGINIA BEACH

FRANCES C. KIEFFER FAIRFAX

HORACE McCLERKLIN ALEXANDRIA



V-0095-92

COMMONWEALTH of VIRGINIA

Department of Air Pollution Control

STATE CAPITAL REGIONAL OFFICE 9210 ARBORETUM PARKWAY, SUITE 250 RICHMOND, VIRGINIA 23236-3472 (804) 323-2409 FAX (804) 323-2415 TDD (804) 371-8471 WALLACE N. DAVIS EXECUTIVE DIRECTOR

ROBERT L. BEASLEY REGIONAL DIRECTOR

CONSENT AGREEMENT AND ORDER

WITH

Georgia-Pacific Corporation 133 Peachtree Street, N.E. Atlanta, Georgia 30303

Registration No. 50253

SECTION A: Purpose

To allow the Georgia-Pacific Corporation at the Jarratt facility to conduct an experimental test burn using coal and wastepaper pellets in the number three boiler.

SECTION B: References

Unless the context indicates otherwise, the following words and terms have the meanings assigned to them below:

- 1. "Code" means the Code of Virginia (1950), as amended.
- 2. "BOARD" or "SAPCB" means the State Air Pollution Control Board, a collegiate body of the Commonwealth of Virginia described in §10.1-1301 of the Code. Particular powers and duties of the Board are referred to in Section C of his document.
- "Order" means this Consent Agreement and Order.
- 4. "SAPCB Regulations" means the "State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution."

An Equal Opportunity Employer Printed on Recycled Paper

- 5. "Department" or DAPC means the Department of Air Pollution Control, an agency of the Commonwealth described in Code §10.1-1303.
- 6. "Director" means the Executive Director of the Department.
- 7. "Georgia-Pacific" refers to Georgia-Pacific Corporation, (a Georgia Corporation qualified to do business in Virginia). The facility is located off Allen's Road, in Jarratt, Virginia.
- 8. "Region 5" refers to the staff of the State Capital Regional Office of the Department of Air Pollution Control, located in Chesterfield County, Virginia.

SECTION C: Authority

- 1. Chapter 13 of Title 10.1 of the Code creates the Board and vests in it the authority to supervise and control various aspects of air pollution in the Commonwealth. Among the Board's powers is the authority to promulgate regulations "abating, controlling and prohibiting" air pollution, found in §10.1-1308.
- Pursuant to its authority, the Board has promulgated the SAPCB Regulations, which first took effect March 17, 1972, and have been amended.
- Pursuant to §§10.1-1307.D and 10.1-1309, the Board has the authority to issue orders to diminish or abate the causes of air pollution and to enforce its rules and regulations. Orders of the Board are enforceable pursuant to §10.1-1316 of the Code.
- The Executive Director is the chief executive officer of 4. the Department. Under Code §10.1-1303 the Executive Director is authorized to supervise, administer and enforce the provisions of Chapter 13 of Title 10.1 of the Code, as well as the rules, regulations, and orders of the Board. Additionally, the Executive Director has such powers as are conferred upon him by the Board. The SAPCB Regulations Appendix F contains the Delegation of Authority from the Board to the Executive Director. paragraphs II (A) through (J) of Appendix F the Executive Director is given the authority to act to abate or control air pollution, approve consent agreements and consent orders, and perform other duties as prescribed by law or regulation and, as required, to carry out the policies and directives of the Board.

Pursuant to §10.1-1316.C of the Code, the Board has the authority to negotiate civil charges and provide for them in any order issued by the Board.

SECTION D: Findings

- On April 4, 1984, the Department issued a Prevention of Significant Deterioration (PSD) permit to the Georgia-Pacific Corporation. This permit for the Jarratt facility authorized the construction of a number three boiler rated at 101.7 MM BTU/hr with coal as the approved fuel.
- Georgia-Pacific operates a fiberboard manufacturing facility off Allen Road in Jarratt, Virginia.
- 3. On January 17, 1992, Georgia-Pacific requested the Department allow a limited test burn in the number three boiler using a combination of coal and wastepaper pellets. The purpose of this limited test burn is to determine the feasibility of burning this combination fuel in coal fired boilers as an alternative to landfilling.

SECTION E: Agreement and Order

Accordingly, the Board orders and Georgia-Pacific Corporation agrees that:

- 1. Georgia-Pacific will conduct no later than March 27, 1992, an EPA Method 5 stack test, which must be observed by the Department, on the number three boiler, at 80 percent or above of the operating rate of 86.61 MM BTU/hr. using 100 percent coal. The data from this stack test shall be reported as set forth in Section 120-05-03 of the SAPCB Regulations and the test methods and procedures in each applicable section or Subpart in Section 120-05-0502.
- 2. Georgia-Pacific, as a result of reducing the permitted rated capacity of the number three boiler, will provide to the Department, no later than six months after the effective date of this Order, a permit application to modify the permitted rated capacity of the number three boiler at the Jarratt facility, from 101.7 MM BTU/hr. to 86.61 MM BTU/hr.

- 3. Georgia-Pacific may conduct a limited test burn using a combination of coal and wastepaper pellets in the number three boiler for a total of 200 hours for a period not to exceed six months from the effective date of this Consent Agreement and Order.
- 4. Georgia-Pacific may conduct until March 10, 1992, any necessary preliminary testing on the number three boiler using a combination of coal and wastepaper pellets to determine the optimum pretest conditions. The 200 hour limited test burn using coal and wastepaper pellets, shall begin on March 11, 1992.
- 5. Georgia-Pacific will provide the Department a monthly report which will identify as a minimum, the specific hours per day for each day during each month this test was conducted. This report will also provide a running total to date, of the hours the wastepaper pellets were burned.
- 6. Georgia-Pacific will provide the Department a copy of all stack tests which are conducted for this limited test burn, within 60 days from the completion of these stack tests.
- 7. The Board may modify, rewrite, or amend this agreement with the consent of Georgia-Pacific, for good cause shown by Georgia-Pacific, or on its own motion after notice and an opportunity for a hearing.
- 8. So long as this Order remains in effect, Georgia-Pacific waives the right to any hearing pursuant to the to Code § 10.1-1309 and to judicial review of any issue of fact or law contained herein. Nothing herein, however, shall be construed as a waiver or the right to a hearing or judicial review of any action taken by the Board to enforce this Order.
- 9. Failure by Georgia-Pacific to comply with any of the terms of this Order shall constitute a violation of an Order of the Board. Nothing herein shall waive the initiation of appropriate enforcement actions or the issuance of additional orders as appropriate by the Board as a result of such violations. Nothing herein shall affect appropriate enforcement actions by any other federal, state, or local regulatory authority.
- 10. Georgia-Pacific declares it has received fair and due process under the Administrative Process Act (Code § 9-6.14:1 et. seq.), as affected by Code § 10.1-1309.

Order with Georgia-Pacific Corporation Registration No. 50253 Page 5

11. This Order shall become effective upon signature by both parties and shall continue in effect no later than November 1, 1992.

The foregoing Consent Agreement and Order has been executed on behalf of the STATE AIR POLLUTION CONTROL BOARD of the COMMONWEALTH OF VIRGINIA and on behalf of GEORGIA-PACIFIC CORPORATION, each by its duly authorized representatives, or self, on the dates indicated below.

Feb. 19, 1992 (date)	DEPARTMENT OF AIR POLLUTION CONTROL OF THE COMMONWEALTH OF VIRGINIA BY: Robert L. Beasley Director, Region 5
Fel. 18, 1992 (date)	GEORGIA-PACIFIC CORPORATION BY. John F. Rasor Group Vice President - Timber
Group Vice President - Time	rument was acknowledged before me this , 1992, by John F. Rasor, ber Georgia- gia Corporation qualified to do business

in Virginia, on behalf of the corporation.

My commission expires

Jackson Livingstone

From: Jackson Livingstone

Sent: Thursday, April 24, 2025 7:40 PM **To:** 'ajackson@greensvillecountyva.gov'

Subject: FOIA Request for Phase I ESA in Jarratt, VA

Good evening,

As part of a Phase I Environmental Site Assessment, WSSI is requesting any information Greensville County has on file of any underground or above ground storage tanks, any releases of hazardous substances or petroleum products, any environmental concerns of any kind, and the history of fires at the site for the following parcels:

Parcel ID	Address	Owner	Zoning
11-19	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-21	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-24	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-24A	N/A	Veliky, LLC	A-1
11-25	N/A	Lance Alexander Short	A-1

Thank you, and please contact me at <u>jlivingstone@wetlands.com</u> if you have any further questions regarding this request.

Jackson Livingstone

Environmental Scientist

Wetland Studies and Solutions, Inc., a Davey

company

1008 Old Virginia Beach Road, Suite 200

Virginia Beach, Virginia 23451

O: 757.963.2008 **M:** 571 -619-0949

Email: jlivingstone@wetlands.com

There's no one better in the field! wetlands.com

Jackson Livingstone

From: Lin Pope Lin Pope@greensvillecountyva.gov>

Sent: Friday, April 25, 2025 8:55 AM

To: Angela L. Jackson; Joshua George; Jackson Livingstone

Cc: Gary Cifers; Mykah Fletcher

Subject: RE: FOIA Request for Phase I ESA in Jarratt, VA

Mr. Livingstone,

The Greensville County Planning Department does not have any records of any underground or above ground storage tanks, any releases of hazardous substances or petroleum products, or environmental concerns of any kind on the parcels listed in your email. I believe there have been prescribed control burns on some of the properties in the past as a tool for forest management, but my office does not keep records of controlled burns for agricultural or forestall purposes.

Lin

Linwood E. Pope Jr.
Director of Planning
Greensville County, Virginia
1781 Greensville County Circle
Emporia, Virginia 23847
434-307-6737
Ipope@greensvillecountyva.gov

From: Angela L. Jackson <ajackson@greensvillecountyva.gov>

Sent: Friday, April 25, 2025 7:57 AM

Subject: FW: FOIA Request for Phase I ESA in Jarratt, VA

Good morning,

The email below is a FOIA request. Please respond to the inquiry for your department by 5 p.m., Friday, May 2, 2025.

From: Jackson Livingstone < JLivingstone@wetlands.com >

Sent: Thursday, April 24, 2025 7:40 PM

To: Angela L. Jackson <a href="mailto:Angela L. Jackson ajackson@greensvillecountyva.gov

Subject: FOIA Request for Phase I ESA in Jarratt, VA

CAUTION: EXTERNAL SENDER!!

Good evening,

As part of a Phase I Environmental Site Assessment, WSSI is requesting any information Greensville County has on file of any underground or above ground storage tanks, any releases of hazardous substances or petroleum products, any environmental concerns of any kind, and the history of fires at the site for the following parcels:

Parcel ID	Address	Owner	Zoning
11-19	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-21	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-24	N/A	SRF Franklin LLC, Badgett LLC	A-1
11-24A	N/A	Veliky, LLC	A-1
11-25	N/A	Lance Alexander Short	A-1

Thank you, and please contact me at <u>jlivingstone@wetlands.com</u> if you have any further questions regarding this request.

Jackson Livingstone

Environmental Scientist

Wetland Studies and Solutions, Inc., a Davey

company

1008 Old Virginia Beach Road, Suite 200

Virginia Beach, Virginia 23451

O: 757.963.2008 **M:** 571 -619-0949

Email: jlivingstone@wetlands.com

There's no one better in the field! wetlands.com



SRF Franklin - Kistler Track Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.1

April 21, 2025

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

04/21/25

Site Name: Client Name:

SRF Franklin - Kistler Track Allen Road Jarratt, VA 23867

EDR Inquiry # 7960636.1

Wetland Studies and Solutions, Inc. 1008 Old Virginia Beach Road Virginia Beach, VA 23451 Contact: Jackson Livingstone



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

P.O.# NA		Coordinates:		
		Latitude:	36.797863 36° 47' 52" North	
Project:	35772.01	Longitude:	-77.5232 -77° 31' 24" West	
		UTM Zone:	Zone 18 North	
		UTM X Meters:	274881.96	
		UTM Y Meters:	4075419.29	
		Elevation:	163.40' above sea level	

Maps Provided:

2022 1943 2019 1919 2016 2013 1986 1977, 1980 1963, 1966 1946

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.

ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

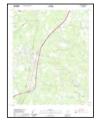
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

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

2022 Source Sheets



Purdy 2022 7.5-minute, 24000



Jarratt 2022 7.5-minute, 24000

2019 Source Sheets



Purdy 2019 7.5-minute, 24000



Jarratt 2019 7.5-minute, 24000

2016 Source Sheets



Purdy 2016 7.5-minute, 24000



Jarratt 2016 7.5-minute, 24000



Purdy 2013 7.5-minute, 24000



Jarratt 2013 7.5-minute, 24000

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

1986 Source Sheets



Purdy 1986 7.5-minute, 24000 Aerial Photo Revised 1982



Jarratt 1986 7.5-minute, 24000 Aerial Photo Revised 1982

1977, 1980 Source Sheets



Jarratt 1977 7.5-minute, 24000 Aerial Photo Revised 1965



Purdy 1980 7.5-minute, 24000 Aerial Photo Revised 1977

1963, 1966 Source Sheets



Purdy 1963 7.5-minute, 24000 Aerial Photo Revised 1961



Jarratt 1966 7.5-minute, 24000 Aerial Photo Revised 1965



MCKENNEY 1946 15-minute, 50000

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

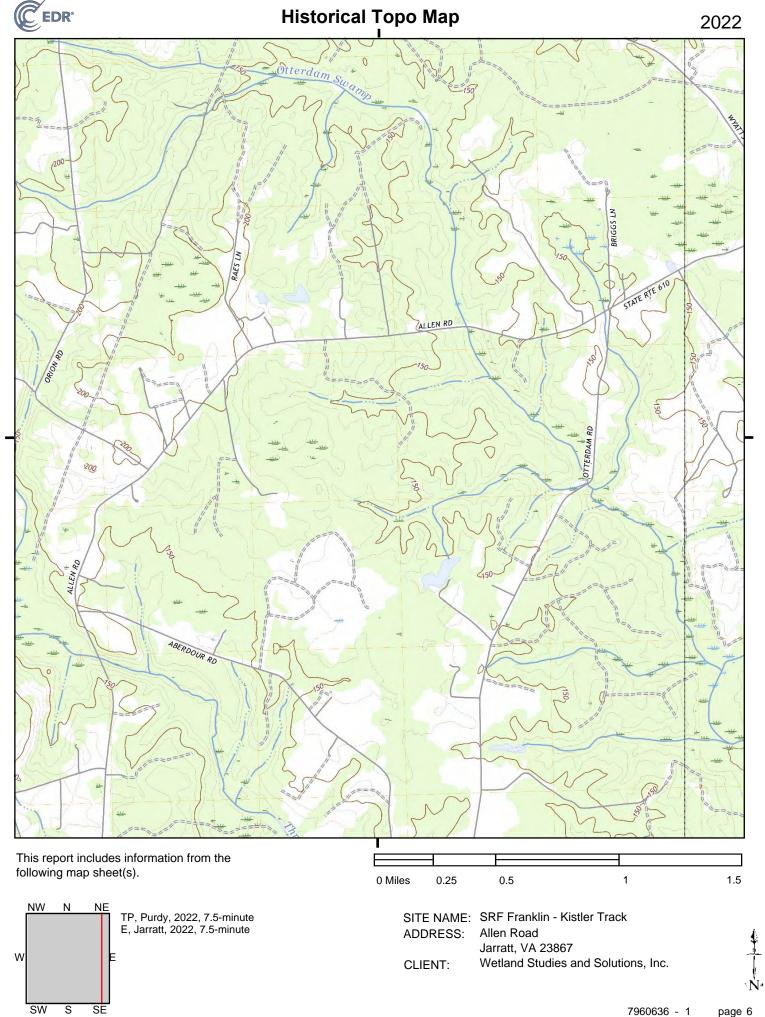
1943 Source Sheets

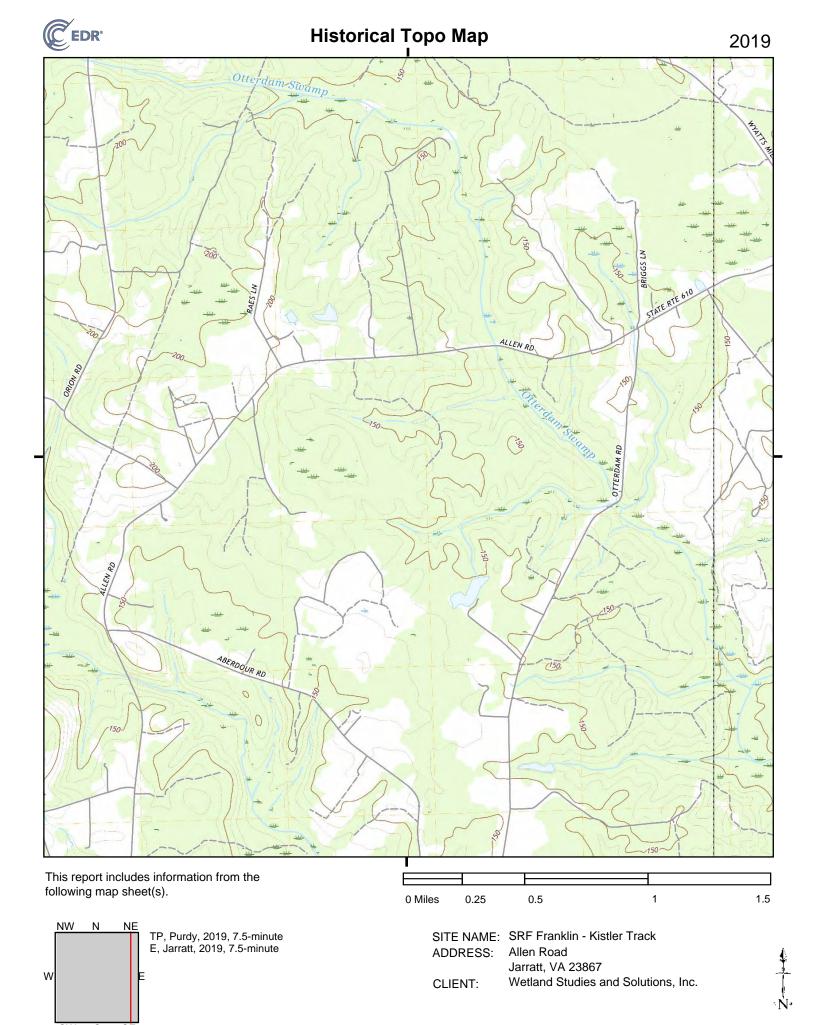


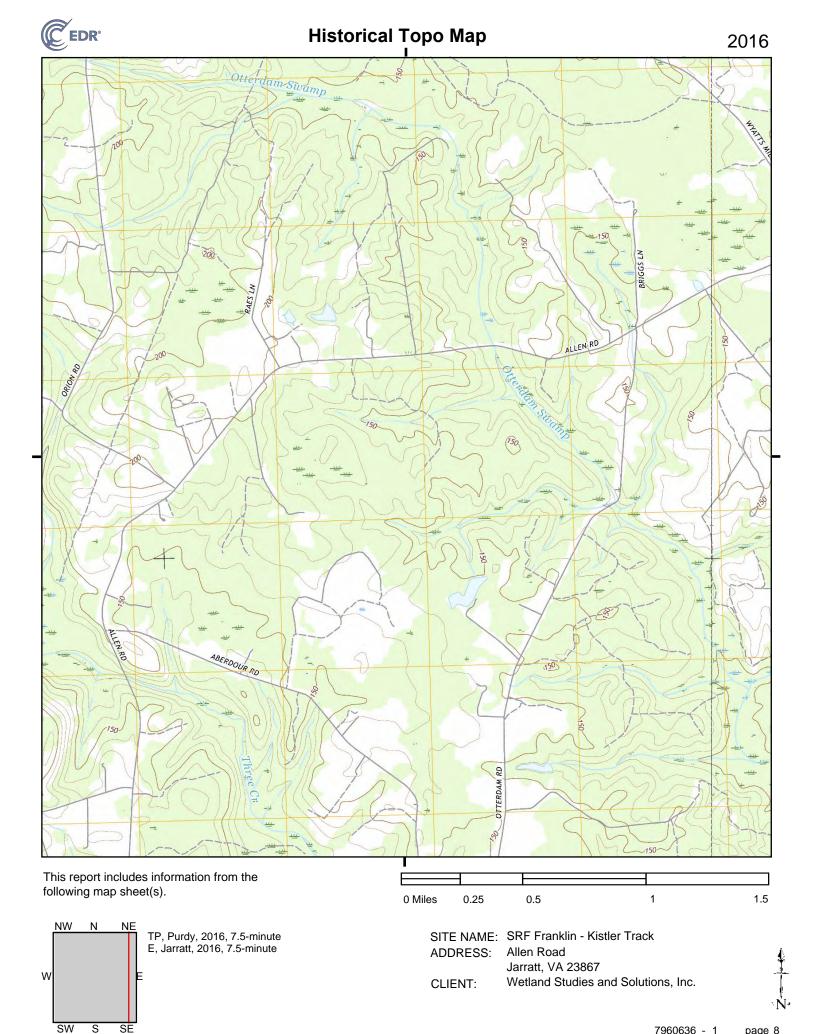
Mc Kenney 1943 15-minute, 62500 Aerial Photo Revised 1937

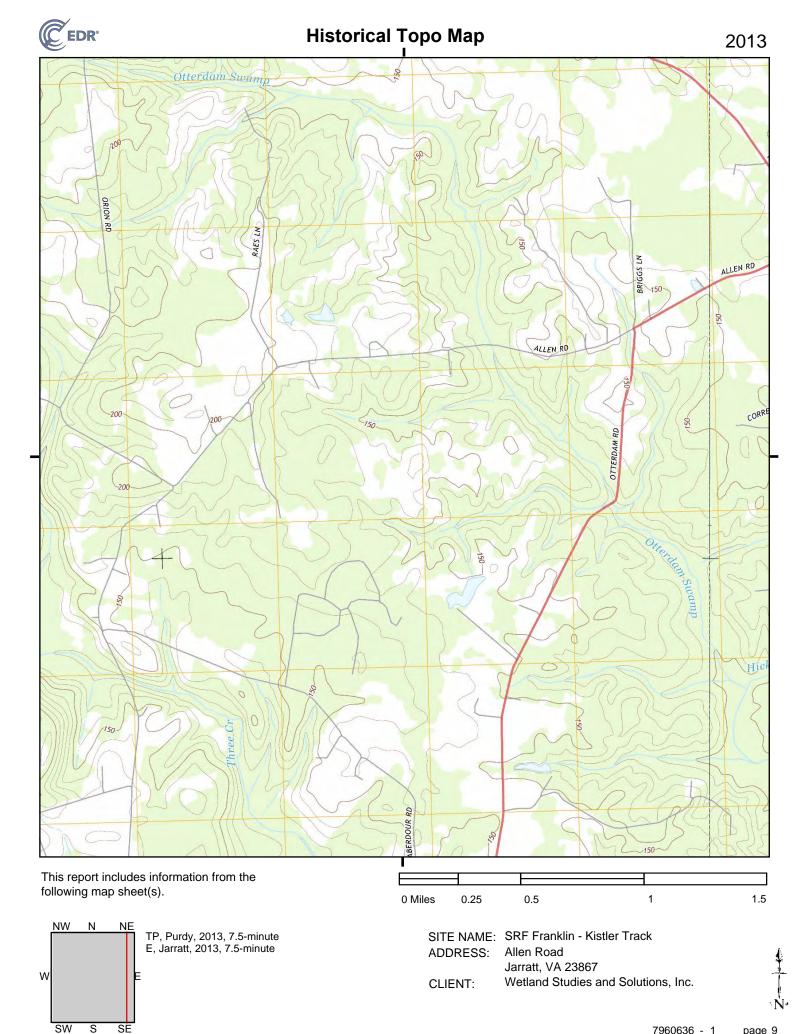


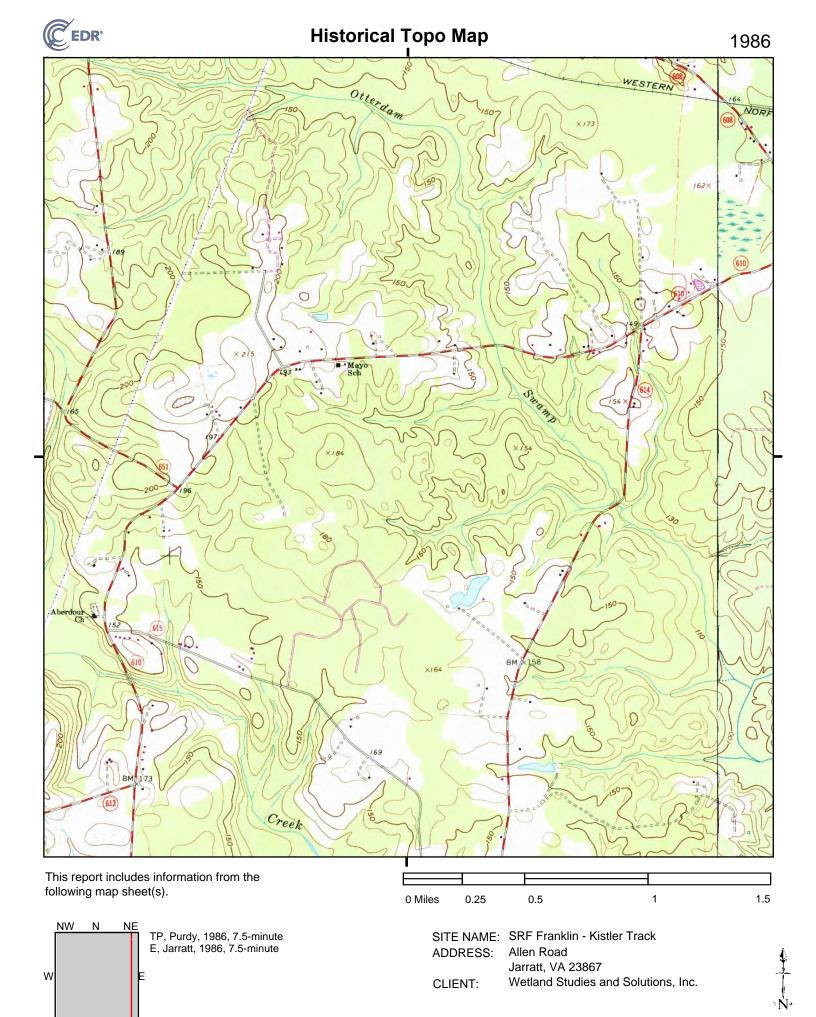
Mc Kenney 1919 15-minute, 48000





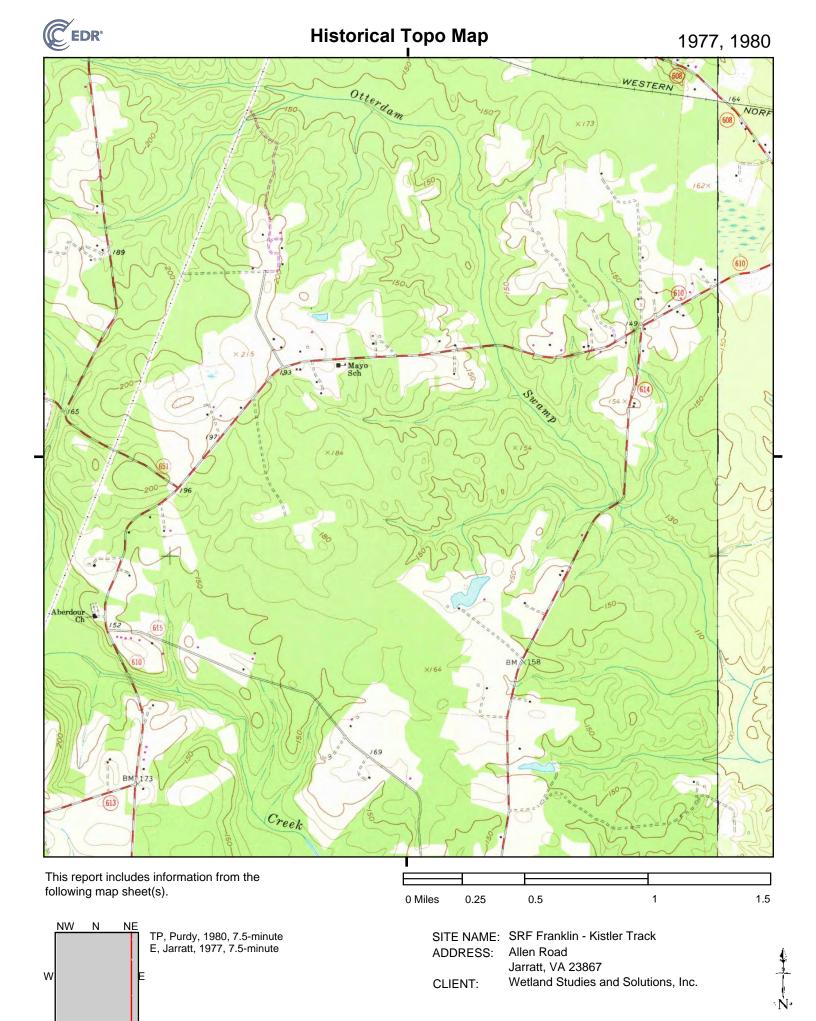




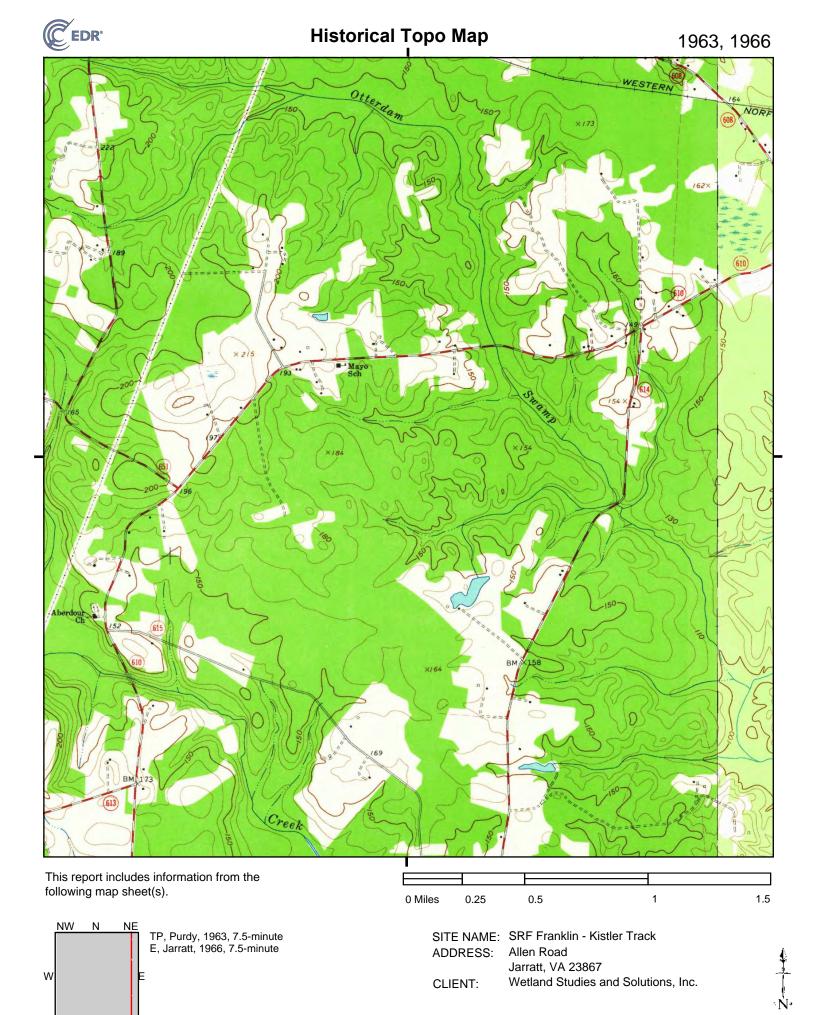


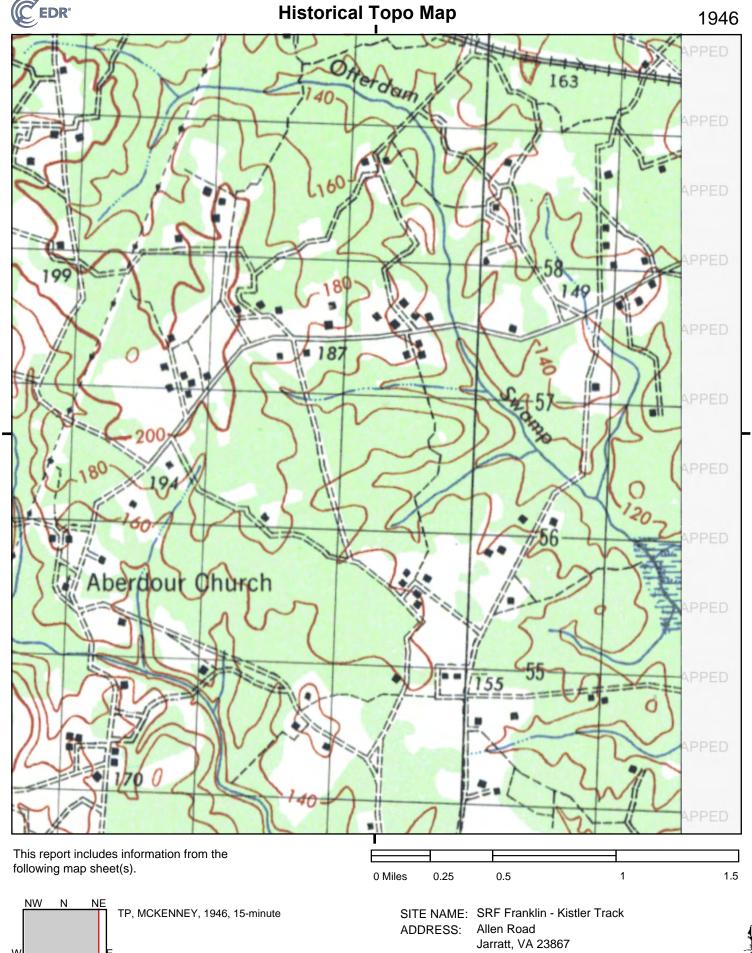
SW

S



S



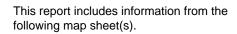


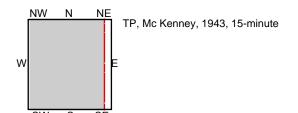
NW N NE
TP, MCKENNEY, 1946, 15-minute

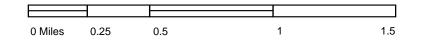
SITE NAME: SRF Franklin - Kistler Track
ADDRESS: Allen Road
Jarratt, VA 23867
CLIENT: Wetland Studies and Solutions, Inc.

N

7960636 - 1 page 13





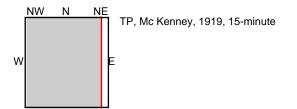


SITE NAME: SRF Franklin - Kistler Track

ADDRESS: Allen Road

Jarratt, VA 23867

CLIENT: Wetland Studies and Solutions, Inc.



This report includes information from the

following map sheet(s).

SITE NAME: SRF Franklin - Kistler Track

0.5

ADDRESS: Allen Road

0.25

0 Miles

Jarratt, VA 23867

CLIENT: Wetland Studies and Solutions, Inc.



1.5

SRF Franklin - Kistler Track Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.1

April 21, 2025

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

04/21/25

Site Name: Client Name:

SRF Franklin - Kistler Track Allen Road Jarratt, VA 23867

EDR Inquiry # 7960636.1

Wetland Studies and Solutions, Inc. 1008 Old Virginia Beach Road Virginia Beach, VA 23451 Contact: Jackson Livingstone



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

P.O.# NA		Coordinates:		
		Latitude:	36.797863 36° 47' 52" North	
Project:	35772.01	Longitude:	-77.5232 -77° 31' 24" West	
		UTM Zone:	Zone 18 North	
		UTM X Meters:	274881.96	
		UTM Y Meters:	4075419.29	
		Elevation:	163.40' above sea level	

Maps Provided:

2022 1943 2019 1919 2016 2013 1986 1977, 1980 1963, 1966 1946

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.

ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

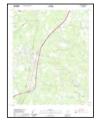
EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

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

2022 Source Sheets



Purdy 2022 7.5-minute, 24000



Jarratt 2022 7.5-minute, 24000

2019 Source Sheets



Purdy 2019 7.5-minute, 24000



Jarratt 2019 7.5-minute, 24000

2016 Source Sheets



Purdy 2016 7.5-minute, 24000



Jarratt 2016 7.5-minute, 24000



Purdy 2013 7.5-minute, 24000



Jarratt 2013 7.5-minute, 24000

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

1986 Source Sheets



Purdy 1986 7.5-minute, 24000 Aerial Photo Revised 1982



Jarratt 1986 7.5-minute, 24000 Aerial Photo Revised 1982

1977, 1980 Source Sheets



Jarratt 1977 7.5-minute, 24000 Aerial Photo Revised 1965



Purdy 1980 7.5-minute, 24000 Aerial Photo Revised 1977

1963, 1966 Source Sheets



Purdy 1963 7.5-minute, 24000 Aerial Photo Revised 1961



Jarratt 1966 7.5-minute, 24000 Aerial Photo Revised 1965



MCKENNEY 1946 15-minute, 50000

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

1943 Source Sheets



Mc Kenney 1943 15-minute, 62500 Aerial Photo Revised 1937



Mc Kenney 1919 15-minute, 48000

SRF Franklin - Kistler Track

Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.2

April 21, 2025

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

04/21/25

Site Name: Client Name:

SRF Franklin - Kistler Track Allen Road Jarratt, VA 23867 EDR Inquiry # 7960636.2 Wetland Studies and Solutions, Inc. 1008 Old Virginia Beach Road Virginia Beach, VA 23451 Contact: Jackson Livingstone



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

Search Results:

Year	Scale	Details	Source
			
1950	1"=500'	Flight Date: November 01, 1950	USGS

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2025 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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



SRF Franklin - Kistler Track

Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.2

April 21, 2025

The EDR Aerial Photo Decade Package



Date EDR Searched Historical Sources:

Aerial Photography April 21, 2025

Target Property: Allen Road

Jarratt, VA 23867

<u>Year</u> 1937	Scale Aerial Photograph. Scale: 1"=1575'	Details Flight Year: 1937	<u>Source</u> USDA
1949	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1949	USDA
1950	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1950	USGS
1959	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1959	USGS
1961	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1961	USGS
1968	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1968	USGS
1973	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1973	USGS
1978	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1978	USGS
1982	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1982	USDA
1990	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1990	USGS
1994	Aerial Photograph. Scale: 1"=1575'	Flight Year: 1994	USGS/DOQQ
2003	Aerial Photograph. Scale: 1"=1575'	Flight Year: 2003	USDA/NAIP
2008	Aerial Photograph. Scale: 1"=1575'	Flight Year: 2008	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=1575'	Flight Year: 2011	USDA/NAIP
2014	Aerial Photograph. Scale: 1"=1575'	Flight Year: 2014	USDA/NAIP
2018	Aerial Photograph. Scale: 1"=1575'	Flight Year: 2018	USDA/NAIP

SRF Franklin - Kistler Track

Allen Road Jarratt, VA 23867

Inquiry Number: 7960636.3

April 18, 2025

The EDR-City Directory Image Report



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES. AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT. INCIDENTAL. INDIRECT. SPECIAL. CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

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

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020		$\overline{\checkmark}$	EDR Digital Archive
2017			Cole Information
2014		$\overline{\checkmark}$	Cole Information
2010		$\overline{\checkmark}$	Cole Information
2005		$\overline{\checkmark}$	Cole Information
2000		$\overline{\checkmark}$	Cole Information
1995		$\overline{\checkmark}$	Cole Information
1992		$\overline{\checkmark}$	Cole Information

FINDINGS

TARGET PROPERTY STREET

Allen Road Jarratt, VA 23867

<u>Year</u>	Year CD Image Source	
ALLEN RD		
2020	pg A2	EDR Digital Archive
2017	pg A5	Cole Information
2014	pg A6	Cole Information
2010	pg A9	Cole Information
2005	pg A12	Cole Information
2000	pg A15	Cole Information
1995	pg A17	Cole Information
1992	pg A19	Cole Information

7960636-3 Page 2

FINDINGS

CROSS STREETS

<u>CD Image</u>	<u>Source</u>
	<u>CD Image</u>

OTTERDAM RD

EDR Digital Archive	
Cole Information	Street not listed in Source
Cole Information	
	Cole Information Cole Information Cole Information Cole Information Cole Information Cole Information

7960636-3 Page 3



Target Street Cross Street Source

→ EDR Digital Archive

ALLEN RD 2020

	ALLENIO	2020
700	ADEDDOLID DDECDYTERIAN OUUDOU	
702	ABERDOUR PRESBYTERIAN CHURCH	
703	Bayfette Harris	
	Clay Taylor	
007	Jamie Thompson	
927	Maurice Webb	
	Troy Anderson	
965	Jaleesa Smith	
	Jalen Anderson	
	Keandra Smith	
	Raymond Anderson	
4000	Veronica Anderson	
1003	Kimberly Anderson	
4440	Marie Anderson	
1119	Jaquela Anderson	
4407	Veronica Anderson	
1137	James Rae	
4000	June Rae	
1690	Shannon Maitland	
4000	Traci Morris	
1909	David Fladung	
1983	Ashley Brown	
	Frances Brown	
	Renee Brown Ronald Brown	
	Susan Brown	
2019	Sean Ferguson	
2019	Casey Conwell	
2040	Nicholas Conwell	
	Susan Conwell	
	Tony Conwell	
2112	Arthur Hinkle	
2147	Tommy Turner	
3006	Brianna Smith	
0000	Garfield Tyler	
	Lawrence Parham	
	Nancy Tyler	
3074	Ariel Bell	
	Tyler Bell	
3262	Alice Ampey	
3299	Calvin Tyler	
	Denzel Tyler	
	Helen Tyler	
3655	Franklin Grizzard	
	Lois Grizzard	
	Michael Grizzard	
	NOTTOWAY HOMES INC	
3663	Benjamin Tucker	
	Justin Hancock	
3674	Lynda French	
	Robert French	

Target Street Cross Street Source

→ EDR Digital Archive

ALLEN RD 2020 (Cont'd)

3730	Billy Houchins		
	Judy Houchins		
3898	Evelyn Moore		
3905	Betty Seward		
	Gene Seward		
3910	Franklin Moore		
	Joseph Bailey		
	Mary Bailey		
3923	Connie Grizzard		
	Matthew Grizzard		
	Michael Grizzard		
4099	Cameron Phelps		
	James Phelps		
	Shannon Phelps		
4334	Burnell Scott		
4343	Kimberly Richardson		
4346	Laurie Gillam		
4351	Pam Ferguson		
4386	Martha Gillam		
4394	Alfred Jones		
	Clara Jones		
	Donzell Jones		
4430	Ollie Gallemore		
4446	Sherena Noggin		
4448	Aaron Moore		
4459	Latasha Boone		
4461	Aubry Hanchock		
	Jasmine Hawkins		
4465	Tammy Waller		
	Tyrek Darham		
4513	Roslyn Barner		
4517	Garry Tyler		
	Gwendolyn Johnson		
	Shontia Sulton		
4566	Jennifer Ponton		
4571	Gilbert Mason		
4602	Christopher Gibson		
	Dwayne Gibson		
4642	Anita Solomon		

Target Street Cross Street Source
- Source EDR Digital Archive

OTTERDAM RD 2020

5559 Helen Seaborn
Tina Seaborn
5606 Burnell Scott
5895 Barbara Harvey
Joseph Harvey
Kelly Harvey

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information

ALLEN RD 2017

700	TAN 00 01 AV
703	TAYLOR, CLAY
927	JENKINS, CALVIN
965	ANDERSON, RAYMOND
997	ANDERSON, DAVID A
1119	ANDERSON, JAQUELA S
1127	DUNLOW, JOSIE
1137	RAE, JAMES W
1690	MORRIS, JOHN H
1909	FLADUNG, DAVID W
1983	BROWN, RONALD K
2019	DOYLE, ELIZABETH
2048	CONWELL, NIC G
2112	HINKLE, ARTHUR E
2147	TURNER, TOMMY E
2614	DAUGHTRY, LUTHER
3006	TYLER, GARFIELD R
3299	MCLAUGHLIN, TYMARA
3355	WOOD, COREY
3655	GRIZZARD CONSTRUCTION INC
	GRIZZARD, FRANKLIN L
3663	TUCKER, BENJAMIN
3674	FRENCH, ROBERT G
3730	HOUCHINS, BILLY E
3782	WOODRUFF, WILLIAM E
3898	MOORE, EVELYN W
3905	SEWARD, IRVIN E
3910	BAILEY, JOSEPH S
3923	GRIZZARD, MATTHEW
4099	PHELPS, JAMES C
4255	ADKINS, ASHLEY
	CHAMBLISS, SANDRA O
	FIELDS, JOSEPH
	JONES, GRETA
	PIERCE, MYESHA
	WILLIAMS, TONNA
4303	TENNESSEE, LAKISHA
4343	PHILLIPS, N
4351	FERGUSON, JERRY L
4386	GILL, LINDA D
4430	GALLEMORE, OLLIE M
4446	SKIPPER, KENNETH W
4459	PERSON, RODERICK T
4465	WALLER, ERICA
4515	COX, VALDA V
4571	MASON, EPOIC
4602	BARNES, AUDRENELL D
4624	RIVERS, DEVORA E

	ALLENIO	2017
703	TAYLOR, CLAY	
927	EZZELL, WILLIAM	
965	ANDERSON, RAYMOND	
997	ANDERSON, DAVID A	
1003	ANDERSON, RALPH R	
1119	ANDERSON, VERONICA	
1127	DUNLOW, JOSIE	
1137	RAE, JAMES W	
1690	MORRIS, JOHN H	
1909	FLADUNG, DAVID W	
1983	BROWN, RONALD K	
2019	OCCUPANT UNKNOWN,	
2048	CONWELL, NIC	
2091	HARRISON, DOROTHY H	
2112	MCLENDON, ANTONIA M	
2147	TURNER, MICHAEL	
2594	OCCUPANT UNKNOWN,	
2610	FIELDS, MCAURTHUR	
2614	HICKS, KATRINA	
3006	TYLER, GARFIELD R	
3074	BELL, TYLER R	
3118	TYLER, CALVIN E	
3206	OCCUPANT UNKNOWN,	
3262	PUDEN, MARIA	
3299	TYLER, CALVIN E	
3355	PROCISE, DAN	
3586	OCCUPANT UNKNOWN,	
3655	GRIZZARD CONSTRUCTION INC	
	GRIZZARD FRANKLIN L	
	GRIZZARD, MIKE L	
3663	TUCKER, BENJAMIN	
3674	FRENCH, ROBERT G	
3730	HOUCHINS, BILLY E	
3782	WOODRUFF, WILLIAM E	
3898	MOORE, EVELYN	
3905	SEWARD, IRVIN E	
3910	BAILEY, JOSEPH S	
3923	GRIZZARD, MATTHEW	
4099	PHELPS, JAMES C	
4255	ADKINS, ASHLEY	
	BAILEY, SHONDA L	
	CHAMBLISS, SANDRA O	
	FIELDS, PARTHENIA	
	JONES, TRAVIS L	
	KING, LEROY W	
	WILLIAMS, TONNA	
4260	MOODY, LORETTA T	
4303	TENNESSEE, LAKISHA	
4334	OCCUPANT UNKNOWN,	
4343	PHILLIPS, RICHARD G	

ALLEN RD 2014 (Cont'd)

		ALLEN KD	2014	(Cont a)
4346	GILLAM, JAMES			
4351	FERGUSON, JERRY L			
4386	GILLAM, LINDA			
4394	OCCUPANT UNKNOWN	٧,		
4410	BARNES, LOIS H			
4430	GALLEMORE, OLLIE M			
4446	SKIPPER, KENNETH W	1		
4448	WILLIAMS, DEMARCUS	6		
4454	PIERCE, A			
4455	MYLER, AMY			
4459	PERSON, RODERICK T	-		
4461	COLEMAN, JEFFREY			
4465	DRAKE, ERICA			
4494	HALL, J A			
4498	OCCUPANT UNKNOWN	٧,		
4513	DAUGHTRY, SHAMEKA	4		
4515	COX, VALDA B			
4517	JOHNSON, GWENDOL'	YN		
4530	RAGLAND, WENDY			
4548	TYLER-SMITH, SHEILA			
4566	OCCUPANT UNKNOWN	٧,		
4571	MASON, GILBERT			
4591	OCCUPANT UNKNOWN	٧,		
4602	JOHNSON, AUDRENEL	L D		
4624	RIVERS, DEVORA E			
4642	GARY, VAREKA			

OTTERDAM RD 2014

LUCAS, CATHERINE H 5599 SCOTT, BURNELL L 5606 HARVEY, JOSEPH A 5895

	7.22.11.12
703	TAYLOR, JAMIE
927	ANDERSON, ALICE G
965	ANDERSON, RAYMOND
997	ANDERSON, DAVID A
1003	ANDERSON, RALPH R
1127	DUNLOW, BONNIE P
1137	RAE, JAMES W
1690	MORRIS, JOHN H
1909	FLADUNG, DAVID W
1983	DIXON, HOWARD F
2019	FARMER, JOSHUA
2048	CONWELL, TONY M
2091	HARRISON, DOROTHY H
2112	LYNCH, ARTHUR E
2610	SMALL, S E
2614	DAUGHTRY, DORETHA
3006	TYLER, GARFIELD R
3074	BELL, CHARLETTE A
3118	TYLER, CALVIN E
3206	JEFFERSON, KEITH L
3262	PUDEN, MARIA
3299	HELEN TYLER BEAUTY SALON
	TYLER, CALVIN E
3355	PROCISE, DAN
3655	GRIZZARD CONSTRUCTION INC
	GRIZZARD, MIKE L
	NOTTOWAY HOMES INC
3663	LEWIS, CHRISTOPHER L
3674	FRENCH, ROBERT G
3730	HOUCHINS, BILLY E
3782	WOODRUFF, W E
3898	MOORE, WILBUR H
3905	SEWARD, IRVIN E
3910	JARRATT GROCERY
3923	GRIZZARD, MICHAEL L
4099	PHELPS, JAMES C
4255	ADKINS, ASHLEY
	BURGOS, GLORIMAR R
	CHAMBLISS, SANDRA O LEWIS, BRIDGETT
	LUNDY, CARROLL
	MEADE, HELEN
	MYLER, ROBERT M
	STUDIVANT, TONY A
	SYKES, CARROLL E
	WILLIAMS, TONNA
	WYCHE, RICHARD H
4303	TENNESSEE, LAKISHA
4334	SCOTT, CHRIS V
4335	ROBINSON, DELLA G
.500	

ALLEN RD 2010 (Cont'd)

4343	PHILLIPS, GORMAN R
4346	GILLAM, L D
4351	FERGUSON, JERRY L
4386	GILLAM, JAMES L
4394	FAJNA, T
4410	BARNES, LOIS H
4430	GALLEMORE, OLLIE M
4446	NOGGIN, SHERENA E
4448	MOORE, AARON W
4454	PIERCE, A
4459	PERSON, RODERICK T
4465	BYNUM, ERNEST
4494	HALL, J A
4510	THORNE, ROY L
4513	WOODLEY, MARVIN
4517	TYLER, CALVIN D
4530	WILLIAMS, JOHN H
4566	JONES, REBECCA
4602	JOHNSON, AUDRENELL D
4624	MANUEL, JOHN N

		OTTENDAMIND	2010
5559 5606 5895	REED, QUEEN SCOTT, BURNELL L HARVEY, JOSEPH A		

702	ABERDOUR PRESBYTERIAN CHURCH	
703	THOMPSON, JAMIE	
927	ANDERSON, ALICE G	
965	ANDERSON, RAYMOND	
997	ANDERSON, DAVID A	
1003	ANDERSON, RALPH R	
1127	DUNLOW, BONNIE P	
1137	RAE, JAMES W	
	WOODSEDGE LTD	
1690	MORRIS, JOHN H	
1909	FLADUNG, DAVID W	
1983	BROWN, RONALD K	
2048	CONWELL, TONY M	
2091	HARRISON, DOROTHY H	
2112	COSTIN, PHILIP T	
2147	TURNER, TOMMY E	
2610	JONES, DONALD R	
2614	DAUGHTRY, ROBERT L	
3006	TYLER, GARFIELD R	
3074	BELL, CHARLETTE A	
3118	CHARLIE TYLER SR	
	TYLER, CHARLIE	
3206	JEFFERSON, KEITH	
3655	GRIZZARD, MIKE	
3674	FRENCH, ROBERT G	
3730	HOUCHINS, BILLY E	
3898	MOORE, WILBUR H	
3905	SEWARD, IRVIN E	
3910	MOORE, ALBERT K	
3923	GRIZZARD, MICHAEL L	
4099	PHELPS, CHAD	
4255	BROWN, ELAINE	
	BURGOS, GLORIMAR R	
	CHAMBLISS, SANDRA O	
	FRANKLIN, TERESA A KING, LEROY W	
	·	
	LEWIS, BRIDGETT	
	LUNDY, CARROLL	
	MYLER, ROBERT M STUDIVANT, ROBERT E	
	,	
	STUDIVANT, TONY A SYKES, DOROTHY	
	·	
	TAYLOR, TERESA WYCHE, RICHARD H	
4303	HARRELL, LOUISE W	
4334	SCOTT, CHRISTOPHER V	
4335	DELLAS UNISEX SALON	
4335	GILLAM, L D	
4351	FERGUSON, JERRY L	
4386	GILLAM, JAMES L	
-1000	CILLY MY, OF MYLLO L	
		1

ALLEN RD 2005 (Cont'd)

4394	SMITH, WILLIAM T	
4410	BARNES, LOIS H	
4430	WATKINS, DAVID H	
4446	SKIPPER, KENNETH W	
4448	MOORE, AARON	
4459	PERSON, RODERICK T	
4461	PHILLIPS, MICHAEL	
4494	HALL, J A	
4498	BRILEY, ANDREW M	
4510	THORNE, ROY L	
4513	DAUGHTRY, SHAMEKA	
4517	DUGGER, GLENN	
4530	GARNERS BOUTIQUE	
	TYLER, TIFFANY N	
4602	JOHNSON, RICKY	
4642	NUNNALLY, PAM	

		OTTERDAM RD	2005	
5599 5803 5895	BUTTS, DOROTHY L WILSON, LOWELL HARVEY, JOSEPH A			

120	J M CLUB
139	ST JAMES STRAIGHTWAY CHURCH OF GOD & CHRISTREV JA
1003	ANDERSON, RALPH
1137	RAE, JAMES W
1690	MAITLAND, ISABELL
1909	FLADUNG, DAVID W
2019	FERGUSON, WILLIAM J
2048	CONWELL, TONY
2091	HARRISON, D H
2112	COSTIN, T
2147	ROCKETT, STAN
3006	TYLER, G R
3118	TYLER, CALVIN E
3230	JONES, MARY S
3262	HINTON, MICHAEL J
3655	GRIZZARD CONSTRUCTION INCORPORATED
	GRIZZARD FRANKLIN L
	GRIZZARD, F L
	NOTTOWAY HOMES INCORPORATED
3663	STARKE, NELSON E
3674	FRENCH, ROBERT
3730	WOODRUFF, W E
3898	MOORE, W H
3905	SEWARD, GENE
3910	MOORE, KEITH
3923	GRIZZARD, MICHAEL
4255	BENJAMIN, CLINT
.200	BONNER, S W
	BROADY, ELREE
	KING, LEROY
	LUNDY, CARROLL
	MASSENBURG, GRACIE M
	POLITE, DANIEL
	STUDIVANT, TONY A
	WYCHE, BILLIE J
4303	HARRELL, JAMES B
4336	OZMAR, LELAND
4343	SPENCE, JESSIE B
4346	GILLAM, L D
4351	FERGUSON, JERRY L
4386	·
4300	GILLAM, JAMES L SMITH, PEARL
4410	BARNES, L H
4430	POWELL, JIMMY
4446	SKIPPER, KENNETH
4494	HALL, J A
4510	THORNE, ROY

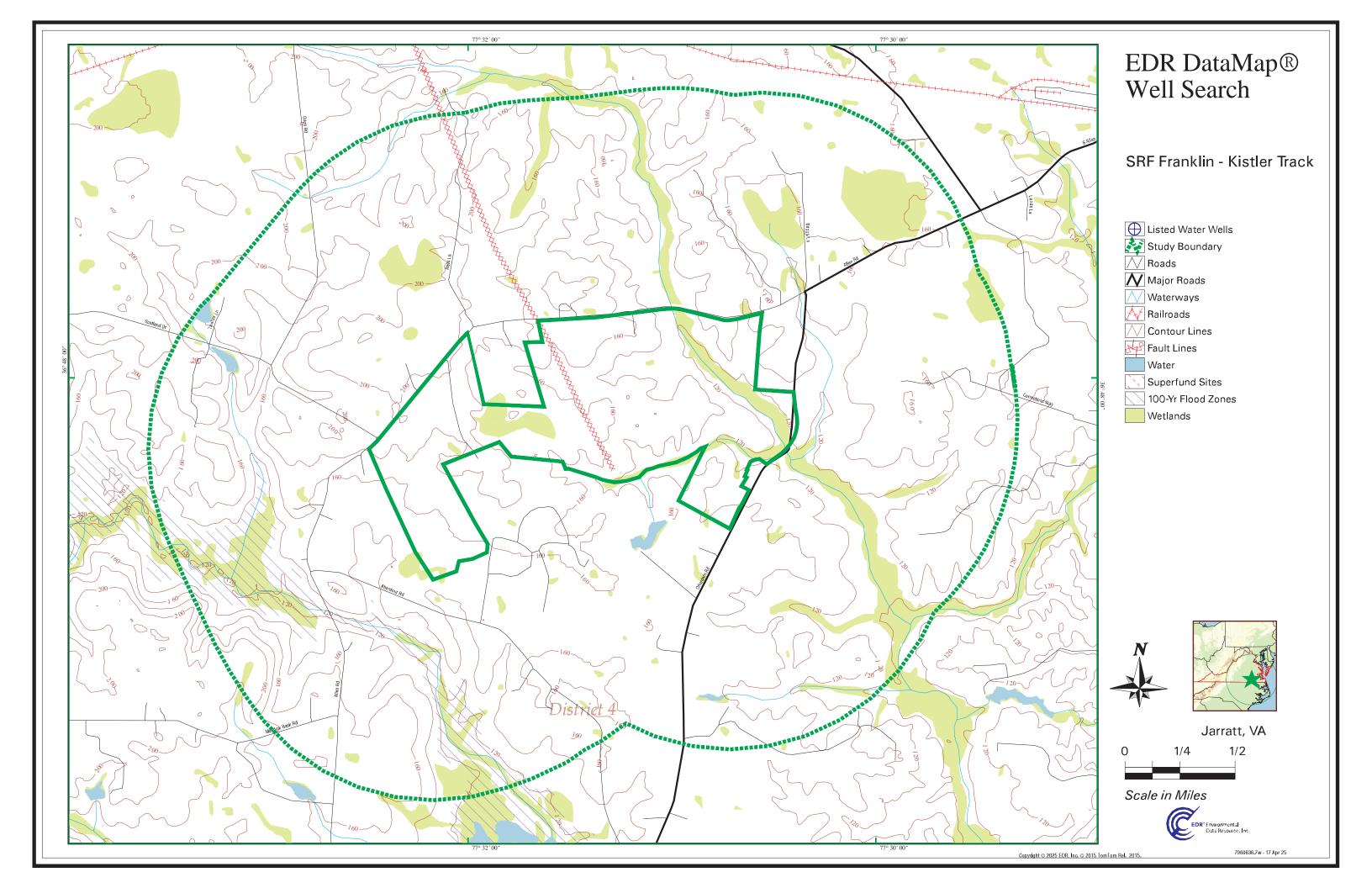
	OTTENDAMIND	
5559 5599 5895	BUTTS, ESTELLE BUTTS, DOROTHY HARVEY, JOSEPH A	
2692	HARVEY, JOSEPH A	

116	JARRATT WATER TREATMENT PLANT
117	JARRATT FLEA MARKET
139	ST JAMES STRAIGHTWAY CHURCH
206	MITCHELL, FRED
209	HALL, RO
210	HOGARTH, M
216	VELIKY, PAUL
218	VELIKYS SERVICE STATION
1003	CREATIVE HAIRSTYLING
1119	ANDERSON, RAYMOND
1983	BROWN, RONALD K
2019	FERGUSON, WILLIAM
2048	CONWELL, TONY
3073	TYLER, G R
3118	TYLER, CALVIN E JR
3230	JONES, MARY S
3262	HINTON, MICHAEL J
3586	BRIGGS, WILLIAM
3655	GRIZZARD CONSTRUCTION INC
	GRIZZARD, FRANKLN L
3663	STARKE, NELSON E
3674	WOODRUFF, W A
3730	WOODRUFF, W E
3910	MOORE, KEITH
3923	GRIZZARD, MICHAEL
4255	LUNDY, CARROLL
4303	HARRELL, JAMES B
4334	SCOTT, C V
4336	OZMAR, LELAND
4343	SPENCE, JESSIE B
4346	GILLAM, L D
4351	FERGUSON, JERRY L
4386	GILLAM, JAMES L
4394	SMITH, PEARL
4410	BARNES, L H
4430	POWELL, JUANITA P
4446	HARDY, WILLIAM
4494	BRILEY, J H
4552	STEPHANIES COUNTRY CRAFT
425511	WYCHE, BILLIE J

	011ERB/III1RB 1000	
5599 5606 5895	BUTTS, DOROTHY HARVELL, ARLENE HARVEY, JOSEPH A	

208	MOBLEY, MARGIE M
209	HALL, R O
210	HOGARTH, M
212	REID, H M
216	VELIKY, PAUL
225	THOMPSON, STACY L
1119	ANDERSON, RAYMOND
1983	BROWN, RONALD K
2048	CONWELL, TONY
3262	HINTON, MICHAEL J
3586	BRIGGS, WILLIAM
3655	GRIZZARD, FRANKLN L
3730	WOODRUFF, W E
3898	MOORE, W H
3910	MOORE, KEITH
3923	GRIZZARD, MICHAEL
4255	HUMPHREYS, ESTELLE W
	LUNDY, CARROLL
4303	HARRELL, JAMES B
4334	SCOTT, JAMES R JR
4343	SPENCE, JESSIE B
4351	FERGUSON, JERRY L
4394	SMITH, PEARL
4410	BARNES, G V
4430	LANDA, WILLIE
42557	JONES, M D
42558	BONNER, S W

	OTTERDAM RD	1992	
BUTTS, DOROTHY CARTER, M A			
	BUTTS, DOROTHY CARTER, M A	BUTTS, DOROTHY	BUTTS, DOROTHY



SRF Franklin - Kistler Track Jarratt, VA 23867

Inquiry Number: 7960636.7w

April 17, 2025

EDR DataMap™ Well Search Report



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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2022 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

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

GEOCHECK VERSION 2.1 SUMMARY

FEDERAL DATABASE WELL INFORMATION MAP WELL ID ID NO WELLS FOUND STATE WATER WELL INFORMATION MAP WELL ID ID NO WELLS FOUND PUBLIC WATER SUPPLY SYSTEM INFORMATION NO WELLS FOUND **USGS TOPOGRAPHIC MAP(S)** 36077-G4 JARRATT, VA 36077-G5 PURDY, VA **AREA RADON INFORMATION** EPA Region 3 Statistical Summary Readings for Zip Code: 23867 Number of sites tested: 6. Maximum Radon Level: 7.0 pCi/L. Minimum Radon Level: 1.9 pCi/L. pCi/L pCi/L pCi/L pCi/L pCi/L pCi/L 4-10 <4 10-20 20-50 50-100 >100 4 (66.67%) 2 (33.33%) 0 (0.00%) 0 (0.00%) 0 (0.00%) 0 (0.00%) EPA Region 3 Statistical Summary Readings for Zip Code: 23847 Number of sites tested: 14. Maximum Radon Level: 2.7 pCi/L. Minimum Radon Level: -0.1 pCi/L. pCi/L pCi/L pCi/L pCi/L pCi/L pCi/L 4-10 10-20 20-50 50-100 >100 14 (100.00%) 0 (0.00%) 0 (0.00%) 0 (0.00%) 0 (0.00%) 0 (0.00%)

Federal EPA Radon Zone for GREENSVILLE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

VIRGINIA GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at

least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after

August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

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

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

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

Virginia Oil and Gas Wells

Source: Department of Mines, Minerals and Energy

Telephone: 804-692-3200

A listing of oil and gas well locations.

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Interviewee/Occupant (if different from owner)
Phone number
When was dwelling built? (If known)

Questions for Owners/Occupants- Phase I Environmental Site Assessment

		Interv	viewee		Site	Inspe	ctor
1)	Is the property serviced by City water and/or sewer?	Yes	No	Unkn.	Yes	No	Unkn.
2)	Is there or has there ever been a septic sewage system on the property?	Yes	No	Unkn	Yes	No	Unkn
3)	If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed state guidelines or has the well been designated as "contaminated" by any government agency?	Yes	(Ng)	Unkn.	Yes	No	Unkn.
4)	Is the property or any adjoining property used for an industrial use? Have you observed evidence or do you have prior knowledge that the property has been used for an industrial use in the past?	Yes	19	Unkn.	Yes	No	Unkn.
5)	Is the property or any adjacent property currently (or has it ever been) used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility? If applicable, identify which.	Yes	(No)	Unkn.	Yes	No	Unkn.
6)	Are there currently (or have there ever been) any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gallons stored on or used at the property?	Yes	80	Unkn.	Yes	No	Unkn.
7)	Are there (or have there ever been) any industrial drums (typically 55-gallon) or sacks of chemicals located on the property?	Yes	No	Unkn.	Yes	No	Unkn.
8)	Do you have any knowledge of hazardous substances, petroleum products, unidentified waste materials, tires, or any other waste materials that have been dumped above grade, buried, and/or burned on the property?	Yes	M	Unkn.	Yes	No	Unkn.
9)	Have you observed evidence or do you have prior knowledge that fill dirt has been brought onto the property that is of an unknown origin or from a contaminated site?	Yes	(No)	Unkn.	Yes	No	Unkn.
10)	Are there currently (or have there ever been) any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes	(No)	Unkn.	Yes	No	Unkn.
11)	Does the property discharge waste water (other than storm water) into a sanitary sewer system on the property or adjacent property?	Yes	(No)	Unkn.	Yes	No	Unkn.
12)	Are there currently (or have there ever been) any stressed vegetation or stained soils or pavement on the property?	Yes	No	Unkn.	Yes	No	Unkn.
13)	Is there currently (or has there ever been) any solid waste on the property or mounds of unknown material?	Yes	No	Unkn	Yes	No	Unkn
14)	Are there currently (or has there ever been) any registered or unregistered storage tanks (above or underground) located on the property? (i.e. gasoline or heating oil tanks)	Yes	No	Unkn.	Yes	No	Unkn.
15)	Are there currently (or has there ever been) any vent pipes or fill pipes protruding from the ground on the property or adjacent to any structures on the property?	Yes	No	Unkn.	Yes	No	Unkn.

16) Is there currently (or has there ever been) any flooring, drains, walls, ceilings, or exposed grounds showing evidence of leaks, spills, or staining by substances other than water, or are emitting foul odors?	Yes	Nø	Unkn.	Yes	No	Unkn
17) Have you been informed of the current or past existence of hazardous substances or petroleum products on the property?	Yes	No	Unkn.	Yes	No	Unkn.
18) Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No.	Unkn.	Yes	No	Unkn.
19) Do you know of any previous Environmental Site Assessment that identified contamination, hazardous substances, or petroleum products on the property, or recommended further assessment of the property?	Yes	No.	Unkn.	Yes	No	Unkn.
20) Do you know of any administrative proceedings or past, threatened, or pending lawsuits concerning a release or threatened release of any hazardous substance or petroleum products on the property?	Yes	No	Unkn.	Yes	No	Unkn.
21) Do you know of any environmental liens or governmental notification relating to past or recurrent violations of environmental laws regarding the property or any facility located on the property?	Yes	(No)	Unkn.	Yes	No	Unkn.
22) Do you know if any of the following documentation exists for the property (circle all that apply): Environmental Site Assessments; Environmental compliance audit reports Environmental permits (i.e. hazardous or solid waste disposal permits, etc.); Registrations for above or underground storage tanks; Registrations for underground injection systems, Material Safety Data Sheets; Community right-to know plan; Safety plans (including preparedness and prevention plans, spill prevention, etc.); Hydrogeologic reports; Hazardous waste generator notices or reports; Geotechnical studies; Risk Assessments; or recorded Activity and Use Limitations. If any of the above exist, can copies be provided to our office or can we come and review the documents?	Yes	No	(nkm	Yes	No	Unkn

Miscellaneous Notes:	
This questionnaire was completed by:	
Name Landowner	Signature 6/9/25
Title	Date
Firm, if applicable 1749 Orion Rd Jarra 4 V Address and Phone Number	A 23867

Velly L.C.	
Property Owner Name	Interviewee/Occupant (if different from owner)
Property Address, if any	Phone number
How long has owner owned the property?	When was dwelling built? (If known)
Questions for Owners/Occupants- Phase I Env	ironmental Site Assessment

Please respond to each question in good faith and to the extent of your knowledge. Thank you for your assistance with this matter.

	Interv	viewee		Site	Inspe	etor
1) Is the property serviced by City water and/or sewer?	Yes	No	Unkn.	Yes	No	Unkn
2) Is there or has there ever been a septic sewage system on the property?	Yes	No	MKIT	Yes	No	Unkn
3) If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed state guidelines or has the well been designated as "contaminated" by any government agency?	Yes	6	Unkn.	Yes	No	Unkn
4) Is the property or any adjoining property used for an industrial use? Have you observed evidence or do you have prior knowledge that the property has been used for an industrial use in the past?	Yes	(No)	Unkn.	Yes	No	Unkn
Is the property or any adjacent property currently (or has it ever been) used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility? If applicable, identify which.	Yes	No)	Unkn.	Yes	No	Unkn
Are there currently (or have there ever been) any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gallons stored on or used at the property?	Yes	®	Unkn.	Yes	No	Unkn
7) Are there (or have there ever been) any industrial drums (typically 55-gallon) or sacks of chemicals located on the property?	Yes	(19)	Unkn.	Yes	No	Unkn
B) Do you have any knowledge of hazardous substances, petroleum products, unidentified waste materials, tires, or any other waste materials that have been dumped above grade, buried, and/or burned on the property?	Yes	Mo	Unkn.	Yes	No	Unkn
Have you observed evidence or do you have prior knowledge that fill dirt has been brought onto the property that is of an unknown origin or from a contaminated site?	Yes	No	Unkn.	Yes	No	Unkn
0) Are there currently (or have there ever been) any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes	No	Unkn.	Yes	No	Unkn
1) Does the property discharge waste water (other than storm water) into a sanitary sewer system on the property or adjacent property?	Yes	(No)	Unkn.	Yes	No	Unkn
2) Are there currently (or have there ever been) any stressed vegetation or stained soils or pavement on the property?	Yes	(a)	Unkn.	Yes	No	Unkn
3) Is there currently (or has there ever been) any solid waste on the property or mounds of unknown material?	Yes	No	Unkn	Yes	No	Unkn
4) Are there currently (or has there ever been) any registered or unregistered storage tanks (above or underground) located on the property? (i.e. gasoline or heating oil tanks)	Yes		Unkn.	Yes	No	Unkn
5) Are there currently (or has there ever been) any vent pipes or fill pipes protruding from the ground on the property or adjacent to any structures on the property?	Yes (No	Unkn.	Yes	No	Unkn

16) Is there currently (or has there ever been) any flooring, drains, walls, ceilings, or exposed grounds showing evidence of leaks, spills, or staining by substances <i>other</i> than water, or are emitting foul odors?	Yes	(No)	Unkn.	Yes	No	Unkn.
17) Have you been informed of the current or past existence of hazardous substances or petrcleum products on the property?	Yes	100	Unkn.	Yes	No	Unkn.
18) Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	(b)	Unkn.	Yes	No	Unkn.
19) Do you know of any previous Environmental Site Assessment that identified contamination, hazardous substances, or petroleum products on the property, or recommended further assessment of the property?	Yes	No.	Unkn.	Yes	No	Unkn.
20) Do you know of any administrative proceedings or past, threatened, or pending lawsuits concerning a release or threatened release of any hazardous substance or petroleum products on the property?	Yes	No.	Unkn.	Yes	No	Unkn.
21) Do you know of any environmental liens or governmental notification relating to past or recurrent violations of environmental laws regarding the property or any facility located on the property?	Yes	(No)	Unkn.	Yes	No	Unkn.
Do you know if any of the following documentation exists for the property (circle all that apply): Environmental Site Assessments; Environmental compliance audit reports Environmental permits (i.e. hazardous or solid waste disposal permits, etc.); Registrations for above or underground storage tanks; Registrations for underground injection systems, Material Safety Data Sheets; Community right-to know plan; Safety plans (including preparedness and prevention plans, spill prevention, etc.); Hydrogeologic reports; Hazardous waste generator notices or reports; Geotechnical studies; Risk Assessments; or recorded Activity and Use Limitations.						
If any of the above exist, can copies be provided to our office or can we come and review the documents?	Yes	No	Unkn	Yes	No	Unkn

Miscellaneous Notes:	
This questionnaire was completed by:	$\sim m_{I}$
David 5 Veliky	Signature / 20 / -
Title Velly L. C.	Date 26
Firm, if applicable Zel 15 th St Nw Ste 11 Charlottes V. Address and Phone Number	Ne VA 22903





Photograph 1: Representative view of the northwestern adjoining residence at 2147 Allen Road, facing southwest.



Photograph 2: Representative view of an agricultural field adjoining the northern portion of the Subject Property along Allen Road, facing northwest.



Photograph 3: View of a utility pole and fiber optic utility marker on the northern portion of the Subject Property and adjacent to Allen Road (facing southwest).



Photograph 4: View of discarded appliances, including dishwashers, water heaters, and dryers, located on the southern portion of 2147 Allen Road and immediately west of the north-central portion of the Subject Property. No stains or leaks were observed.



Photograph 5: Representative view of an access road that traverses the western and central portions of the Subject Property, facing west.



Photograph 6: Representative view of an additional access road that traverses the western boundary of Parcel #11-24 on the Subject Property, facing northnorthwest.



Photograph 7: Representative view of the western portion of a clear-cut area, facing northeast. The cutover area encompassed much of the central, western, and southern portions of the Subject



Photograph 8: Representative view of the access road that traverses the western and central portions of the Subject Property as in crosses a stream into the recently clear-cut area, facing southeast.



Photograph 9: Representative view of the central portion of the recently clear-cut area, facing west.



Photograph 10: Representative view of the central portion of the recently clear-cut area, facing west.



Photograph 11: Representative view of the central portion of the recently clear-cut area, facing southeast.



Photograph 12: Representative view of the northern adjoining residential property at 3614 Allen Road, facing northeast.



Photograph 13: View of a pole-mounted transformer located on the northern portion of the Subject Property along Allen Road. A non-PCB sticker was not observed, and no stains or leaks were noted.



Photograph 14: Representative view of an access road that transects the north-central portion of the Subject Property, facing south.



Photograph 15: View of a relic residential home located on the north-central portion of the Subject Property, facing southwest. The building appeared to have collapsed in on itself, and rubble was observed in the vicinity of the former building pad.



Photograph 16: View of a drainage pipe running under an access road on the north-central portion of the Subject Property, facing southwest.



Photograph 17: Representative view of Allen Road along the northern portion of the Subject Property, facing east.



Photograph 18: View of the Otterdam Swamp located on the northern portion of the Subject Property, facing south.



Photograph 19: Representative view of the northern adjoining residential properties at 3118 and 3074 Allen Road, facing northwest.



Photograph 20: Representative view of an access road located on the northeastern portion of the Subject Property, facing south-southwest.



Photograph 21: Representative view of the northeastern portion of the Subject Property, facing southeast.



Photograph 22: Representative view of the northeastern adjoining undeveloped swamp, facing north-northwest.



Photograph 23: Representative view of the northeastern adjoining residential property at 3262 Allen Road, facing north.



Photograph 24: View of a liquid propane gas (LPG) AST located on the eastern exterior of the residence at 3262 Allen Road, facing north.



Photograph 25: Representative view of the northeastern adjoining residence at 3206 Allen Road, facing northwest.



Photograph 26: Representative view of the northeastern extent of the Subject Property along Allen Road, facing west.



Photograph 27: Representative view of a northeastern adjoining farm field, facing northwest.



Photograph 28: Representative view of the Greensville County Collection Site #110 at 3389 Allen Road, which is located to the east of the Subject Property (facing northeast).



Photograph 29: View of a used oil AST and two (2) unlabeled 55-gallon drums located on the Greensville County Collection Site, facing northwest. No stains or leaks were observed.



Photograph 30: Representative view of the eastern portion of the Subject Property along Otterdam Road, facing north.



Photograph 31: Representative view of the eastern portion of the Subject Property along Otterdam Road, facing southeast.



Photograph 32: View of a water utility marker and associated infrastructure located on the eastern portion of the Subject Property, facing west.



Photograph 33: Representative view of the former alignment of Otterdam Road on the eastern portion of the Subject Property, facing south.



Photograph 34: Representative view of a stream and associated wetland located on the eastern portion of the Subject Property, facing northeast.



Photograph 35: Representative view of a culvert located on the southeastern portion of the Subject Property and adjacent to Otterdam Road, facing west-



Photograph 36: Representative view of the opposite end of the culvert along Otterdam Road adjoining the Subject Property to the southeast, facing south.



Photograph 37: Representative view of a water line utility marker and fire hydrant located on the southeastern portion of the Subject Property, facing west-



Photograph 38: Representative view of Parcels #11-25B, C, and D, located to the west of Parcel #11-25 on the southeastern portion of the Subject Property (facing west).



Photograph 39: Representative view of Otterdam Road along the southeastern portion of the Subject Property, facing southwest.



Photograph 40: Representative view of an access road located on Parcel #11-25 on the southeastern portion of the Subject Property, facing northwest.



Photograph 43: Representative view of the southeastern portion of the Subject Property that was recently cleared, facing north-northeast.



Photograph 44: Representative view of the eastern portion of the Subject Property along the boundary of the recently cleared area, facing north-northeast.



Photograph 45: Representative view of the south-central portion of the Subject Property that was recently cleared, facing south-southwest.



Photograph 46: Representative view of the southwestern portion of the Subject Property along the boundary of the recently cleared area, facing north.





Jamie Armentrout, PWS, PWD, VSWD

Associate Environmental Scientist – Hampton Roads Division

Firm Association

Wetland Studies and Solutions, Inc. (WSSI)

Project Assignment Associate Environmental Scientist

Years of Experience

With this firm: 7* With other firms: 6

Education

BS/2011/Biology/East Carolina University

Registrations & Certifications

2023/Virginia State Waters Delineator/#VSWD0023

2023/McCoy's RCRA Seminar

2022/Treasurer – Virginia Association of Wetland Professionals

2022/Voting Board Member – Virginia Board for Asbestos, Lead, and Home Inspectors

2022/Society of Wetland Scientists Professional Wetland Scientist/#3569

2020/Virginia Certified Professional Wetland Delineation/#3402000179

2018-2020/Chesapeake Bay Landscape Professional/ #2-00063

2020/The Groundwater Pollution and Hydrology Course/Princeton Groundwater Mr. Armentrout has over 12 years of experience working in the environmental consulting business with WSSI and other firms. Mr. Armentrout's primary responsibilities include site reconnaissance, wetland delineation, Phase I and II Environmental Site Assessments, site characterizations, hazardous material inspections and inventories, developing specifications for contaminated media handling and disposal, underground storage tank closures, VPDES permitting and compliance monitoring, conducting site visits with regulatory staff, preparing plans and permit applications to meet federal, state, and local regulatory requirements, performing stream assessments and flow determinations, conducting Resource Protection Area determination studies in accordance with local Chesapeake Bay Preservation ordinances, preparing reports and exhibits, project management, and performing internal quality control.

Mr. Armentrout's relevant experience includes:

Lovitt 64 Commerce Center, Phase I and Limited Phase II Environmental Site Assessments, UST Closures, and Site Characterization – Toano, Virginia

Mr. Armentrout performed and managed Phase I and II ESAs conducted for the prospective land purchaser and site developer as a part of due diligence in support of a planned industrial warehouse development on approximately 300 acres in James City County, Virginia. The Phase I and II ESAs identified the presence of three older underground storage tanks with evidence of release as indicated by petroleum contamination identified in the soil. Mr. Armentrout monitored the removal of two agricultural-use USTs and one residential home heating oil UST from the Site as well as the abatement of contaminated soil. Mr. Armentrout coordinated with the Virginia DEQ to complete additional site characterization activities to close out the Site's Pollution Complaint and ensure removal of the USTs and contaminated soils met all requirements of state regulations. Mr. Armentrout assisted the owner in securing reimbursement for a portion of the project's expenses through the Commonwealth of Virginia Petroleum Storage Tank Fund.

Norfolk Coastal Storm Risk Management Program, Phase I and Limited Phase II Environmental Site Assessments, Various Locations – City of Norfolk, Virginia

Mr. Armentrout performed several Phase I and II ESAs as a part of phased due diligence in support of various planned stormwater infrastructure improvements and resiliency land planning in Norfolk, Virginia in support of the Norfolk CSRM Program. Soil and groundwater sampling were conducted in the vicinity of RECs including drycleaners, a former power generation station, a historic railyard, and current and historic industrial waterfront areas to identify potential contaminants from sources identified in the Phase I ESAs and determine potential constraints and considerations which need to be addressed to support future project activities and development.

S. Plaza Trail and Presidential Boulevard Drainage Improvements, Department of Public Works – City of Virginia Beach, Virginia

Mr. Armentrout is actively conducting monthly monitoring and sampling of construction-related discharges from petroleum-contaminated sites for dewatering operations associated with the proposed stormwater drainage improvements and conducted monthly compliance monitoring, including effluent sampling, in compliance with the project's VPDES VAG83 General Permit. In addition, Mr. Armentrout is actively performing emergency response when concerns arise regarding the potential for unidentified impacted soil and groundwater to exist which is uncovered during construction activities.

Eastern Shore Drive Drainage Improvements, Phase I and Limited Phase II Environmental Site Assessments, Department of Public Works – City of Virginia Beach, Virginia

Mr. Armentrout performed a Phase I ESA in conformance with ASTM E1527-13 and multiple Limited Phase II ESAs in conformance with ASTM E1903-11 as a part of phased due diligence in support of various planned stormwater infrastructure improvements in the Shore Drive area of Virginia Beach, Virginia. Soil and groundwater sampling were conducted in the vicinity of RECs including drycleaners, fueling stations, and residential storage tanks to identify potential contaminants from sources identified in the Phase I ESA. Mr. Armentrout prepared contaminated media specifications to determine appropriate handling and disposal procedures for project areas impacted by soil and groundwater contaminants. Additionally, Mr. Armentrout secured a VPDES general permit for construction-related discharges from petroleum-contaminated sites for dewatering operations associated with the proposed stormwater drainage improvements and conducted monthly compliance monitoring, including effluent sampling, in compliance with the project's VPDES permit.



2017/ASTM Training on Phase I and II Environmental Site Assessments

2013/40-Hour HAZWOPER Technician

2013/Asbestos Inspector/ #3303003841/ Virginia

2013/Lead Risk Assessor/ #3356001031/ Virginia

Other Professional Associations

2022/Virginia Department of Professional and Occupational Regulation/Virginia Board for Asbestos, Lead, and Home Inspectors/Voting Board Member

2022/Virginia Association of Wetland Professionals/Treasurer

Effingham Street Lane Addition, Public Works Department - City of Portsmouth, Virginia

Mr. Armentrout performed a Phase I ESA in conformance ASTME 1527-13, a Tier 1 Vapor Intrusion Screening per ASTM E 2600-10, a Limited Phase II ESA in conformance with ASTM E 1903-19, and an In-Situ Surface Soil Characterization as part of due diligence activities associated with the proposed expansion of Effingham Street to three lanes northbound from Crawford Parkway to the main gate of Naval Medical Center Portsmouth. Soil and groundwater sampling were conducted in the vicinity of Fort Nelson Park, the location of a former manufactured gas plant, where significant polycyclic aromatic hydrocarbon and heavy metals contamination had previously been identified and remediated. WSSI's efforts and coordination amongst the City, City's engineer, and the property owner's consultant resulted in the determination of waste handling requirements, design of contaminated media specifications, and the preparation of cost estimates for various scenarios of handling and disposal methodologies which were utilized as part of the project's construction bid document. Mr. Armentrout also performed an in-field wetland reconnaissance and prepared a permit evaluation in support of the project's SERP documentation.

Windsor Woods Tide Gate, Department of Public Works - City of Virginia Beach, Virginia

Mr. Armentrout conducted a wetland delineation and secured USACE confirmation in support of the proposed construction of a tide gate for a flood attenuation project in the Windsor Woods neighborhood of Virginia Beach. Additionally, Mr. Armentrout conducted a Limited Phase II ESA in conformance with ASTM E 1903-19 on the lands proposed to be impacted by the footprint of the tide gate and associated infrastructure due to the potential for contaminants emanating from the nearby Mount Trashmore landfill. Mr. Armentrout coordinated with the project's engineer for the creation of contaminated media specifications in the event excavation or dewatering were to impact contaminants identified in the Limited Phase II ESA report.

Bow Creek Golf Course, Department of Public Works - City of Virginia Beach, Virginia

Mr. Armentrout performed wetland delineations and secured Corps confirmations in support of two projects within the Bow Creek Golf course to reduce flooding in the local watershed including: 1) Clubhouse Drive stormwater improvements which required impacts into a ditch within the golf course for an outfall and 2) the proposed excavation of the golf course to increases stormwater retention in the surrounding watershed. The latter project also included review of the project engineer's Phase I ESA to determine the need for soil and groundwater sampling in the vicinity of identified RECs. Mr. Armentrout also performed a representative NESHAP asbestos inspection for a residence along Hannibal Street needed prior to demolition in support of stormwater infrastructure construction.

Fisherman's Wharf Marina - Virginia Beach, Virginia

Mr. Armentrout performed a Phase I Environmental Site Assessment (ESA) in conformance with American Society of Testing and Materials (ASTM) E 1527-22 and a Limited Phase II Environmental Site Assessment (ESA) in conformance with ASTM E 1903-19 as part of due diligence for an acquisition. The project area consisted of a marina, office building, and multi-purpose event venue that had underground fuel storage tanks and fueling dispensers. A historic release of petroleum during a UST removal was identified in a records search with no evidence of the release having been reported to the Virginia Department of Environmental Quality (DEQ). At client request, groundwater sampling was conducted utilizing interstitial monitoring wells installed in the existing tank catch basins. Low level TPH and VOC contamination was identified in the groundwater wells associated with two of the three USTs. The results of the Phase II ESA were reported to DEQ. Upon review, DEQ issued a Pollution Complaint Case Number and closed the file with no further action required.

Proposed Battery Storage Facilities - Accomack County, Virginia

Mr. Armentrout performed Phase I Environmental Site Assessments in conformance with American Society of Testing and Materials (ASTM) E 1527-13 as part of due diligence for two proposed battery storage facilities located in Accomack County, Virginia. The locations included a +/- 6-acre forested site adjacent to an existing substation and gas turbine generation plant in Tasley, Virginia as well as a +/- 12-acre agricultural site adjacent to a substation in Wattsville, Virginia. Surrounding land-uses at the Wattsville site included a fueling station with a past leaking underground storage tank and close-proximity to the NASA Wallops Island Flight Facility.

Frederick Water Quarry Intake - Clear Brook, Virginia

Mr. Armentrout performed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 as part of due diligence for the proposed conversion of a limestone quarry to a public drinking water reservoir and the construction of intake piping associated with dispersing water within the reservoir between a proposed water treatment plant in Clear Brook, Virginia. The site included an active limestone mining operation and a linear corridor for proposed piping which passed through and adjacent to industrial properties and an existing municipal park.



Powell Plantation - York County, Virginia

Mr. Armentrout performed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 as part of due diligence for a +/- 280-acre property undergoing active site grading and timbering operations in support of a residential development in York County, Virginia. This report was completed at a rapid turnaround to meet the short timeline needed to meet the needs of Client's lender.

Shenandoah Valley Regional Airport Land Acquisitions - Weyers Cave, Virginia

Mr. Armentrout performed Phase I Environmental Due Diligence Audits in conformance with both Federal Aviation Administration guidance and American Society of Testing and Materials (ASTM) E 1527-13 Phase I Environmental Site Assessment standard as part of due diligence for two agricultural properties located adjacent to the Shenandoah Valley Regional Airport in Weyers Cave, Virginia. Reports were prepared individually for each site at the request of the Client.

Fenton Mill - York County, Virginia

Mr. Armentrout performed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13, a Tier 1 Vapor Intrusion Screening per ASTM E 2600-10 and a Limited Phase II Environmental Site Assessment in conformance with ASTM E 1903-11 as a part of due diligence on a 380-acre property aggregate consisting largely of forest and agricultural areas with structural remnants and dumping identified within stream valleys and a 40-acre portion of the site in Williamsburg, Virginia. Soil and groundwater sampling were conducted in the vicinity of suspected Recognized Environmental Conditions (RECs) to identify whether contamination existed in association with the suspected RECs. Groundwater and soil sampling were conducted in accordance with ASTM guidelines and a combined Phase I/II ESA report detailing sampling techniques, findings, and recommendations was prepared for the site.

Waste Spoil Sampling - Various Projects - Fort Lee, Virginia

Mr. Armentrout managed and conducted sampling of soils in areas of future construction to identify hazardous contaminants including petroleum hydrocarbons, extractable organic halides, benzene, toluene, ethylbenzene, xylene, and heavy metals. Sampling was performed using a hand auger with one sample collected for every 250 cubic yards of excavated material to ensure compliance with both Fort Lee's environmental conditions and Virginia DEQ's disposal regulations. Reports were prepared upon receipt of laboratory results for quick turnaround of results.

*Years of experience with this firm includes years with Kerr Environmental Services, which was acquired by Wetland Studies and Solutions, Inc. in November 2018.



Nikolai Karlov, PWD, VSWD Project Environmental Scientist

Firm Association Wetland Studies and Solutions, Inc. (WSSI)

Project Assignment Consultant I

Years of Experience

With this firm: 3.5 With other firms: 3

Education

BS - Biology with Minor in Conservation Leadership, Old Dominion University

Registrations & Certifications

VDOT Certifications: NEPA, VA

VDOT Certifications: Cultural Resources, VA

USFWS Approved Surveyor for federally listed bats (acoustic surveys only)

Virginia Professional Wetland Delineator (PWD)

Virginia State Surface Water Delineator (VSWD)

HAZWOPER 40hr Hazardous Materials Technician Mr. Karlov has over 6 years of experience working in the environmental consulting business with Wetland Studies and Solutions, Inc. (WSSI) and other firms. Since joining WSSI in 2022, Mr. Karlov's primary responsibilities include site reconnaissance, wetland delineation, performing stream assessments, natural resource inventories, endangered and threatened species studies, wetland mitigation and construction monitoring, Phase I & II Environmental Site Assessments, VDEQ Voluntary Remediation Plan (VRP) compliance monitoring & sampling, conducting site visits with regulatory staff, preparing plans and permit applications to meet federal, state, and local regulatory requirements, conducting Resource Protection Area determination studies in accordance with local Chesapeake Bay and Atlantic Ocean Ordinances, and preparing reports and exhibits.

Mr. Karlov's relevant experience includes:

Environmental Site Assessments and Related Brown Environmental Work

Environmental Response and Disposal Services Inventory Assessment – Dept. of Public Works, City of Virginia Beach

Mr. Karlov worked with a team to coordinate and perform field investigations to determine the types of hazardous, special, and non-hazardous wastes generated at City facilities. The field investigation required compiling an inventory with the approximate volume, location, and relevant data associated with all hazardous, special, and nonhazardous waste generated each month from all facilities. The inventory assessment was the initial phase in the City's process of developing an Invitation for Bids (IFB) for environmental response and disposal services (emergency and non-emergency).

Norfolk Coastal Storm Risk Management (CSRM) Project Phase 1A, Phase I & II ESAs – Volkert, City of Norfolk, U.S. Army Corps of Engineers

Mr. Karlov performed multiple individual Phase I and Phase II Environmental Site Assessments a series of waterfront properties in Norfolk including many historically industrial and commercial parcels. This project was conducted for due diligence prior to the initiation of Norfolk's flood and sea level rise mitigation project. Mr. Karlov conducted desktop review, site reconnaissance, and interviews to successfully identify the presence of absence of RECs for each property. Findings and recommendations were presented in detailed reports. Select properties required Phase II ESAs to further identify and characterize environmental contamination.

Norfolk Coastal Storm Risk Management (CSRM) Project Phase IC, Phase I & II ESAs – AECOM, City of Norfolk, U.S. Army Corps of Engineers

Mr. Karlov and colleagues performed an extensive Phase I Environmental Site Assessment of an approximately 3-mile project corridor consisting of heavily and historically developed residential, commercial, and industrial properties along the Norfolk waterfront. This project was conducted for due diligence prior to the initiation of Norfolk's flood and sea level rise mitigation project. Mr, Karlov conducted desktop review, site reconnaissance, and interviews to successfully identify the presence of absence of RECs for each property. Findings and recommendations were presented in detailed reports. Multiple properties were recommended for Phase II ESAs to further identify and characterize environmental contamination.

Lynn Drive Site (15.9 acres) - Suffolk, Virginia

Mr. Karlov completed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 on a forested property in Suffolk, Virginia for due diligence requirements prior to purchase of the property. He also performed on-site wetland reconnaissance, delineation, and CBPA resource assessment to determine the extent of wetlands and other Waters of the U.S. on the Site. Mr. Karlov compiled maps, exhibits, and a report of findings along with the completion of the necessary forms to submit to the U.S. Army Corps of Engineers to obtain confirmation of the delineation and an Approved Jurisdictional Determination.

Eastern Shore Drive Drainage Improvements - Phase I, Section II, Department of Public Works — City of Virginia Beach, Virginia

Mr. Karlov completed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 on a residential property in Virginia Beach, Virginia for due



diligence requirements prior to acquisition and demolition of the existing structure to support the construction of a new stormwater pump station as part of a larger drainage improvement project for the City.

Eastern Shore Drive Drainage Improvements, Phase I, Sections 1F/1G, Department of Public Works — City of Virginia Beach, Virginia

Mr. Karlov completed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 along the Shore Drive corridor encompassing approximately 7.6 acres in Virginia Beach, Virginia for due diligence requirements in support of the construction of new stormwater pump stations and piping as part of a larger drainage improvement project for the City.

West Neck Creek Bridge, Phase I ESA – City of Virginia Beach, Virginia

Mr. Karlov completed a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-13 along the West Neck Road corridor encompassing approximately 75 acres in Virginia Beach, Virginia for due diligence requirements prior to design and construction of a new elevated roadway and tide gates as part of a larger flooding and drainage improvement project for the City.

Previous Project Experience

SKANSKA Civil USA - City of Chesapeake, Virginia*

Supported the completion of Phase I & Phase II ESAs of the historic industrial property to evaluate for potential environmental concerns and contamination. including onsite investigation using GeoProbe soil and groundwater grab sampling, composite grid sampling, and test pit sampling. Assisted in the delineation of tidal, non-tidal, and isolated wetlands on the 140+ acre property.

Phase I & II Environmental Site Assessment – 7 Eleven, Hampton Roads (Other Firm)

Mr. Karlov performed several Phase I & II Environmental Site Assessments in conformance with American Society of Testing and Materials (ASTM) E 1527-13 for several current and former fuel stations across the Hampton Roads region to complete due diligence requirements prior to developing the sites with 7 Eleven convenience stores and fuel stations.

Phase I & II Environmental Site Assessment – Southern Automotive, Hampton Roads (Other Firm)

Mr. Karlov performed and assisted with several Phase I & II ESAs including operation of GeoProbe for multiple car dealerships and automotive shops to meet due diligence requirements for a large multiproperty acquisition.

Transformer and Fuel Releases at NAVSTA - Norfolk, Virginia*

Involved in Phase II ESA soil and groundwater sampling of impacted sites resulting from historic leaking transformers and fuel lines throughout the base as well as the installation, development, and sampling of onsite monitoring wells.

R:\WSSI Staff Resumes\Scientists & Req Staff\Nikolai Karlov\WSSIresumeKarlovN.docx



Jackson Livingstone

Environmental Scientist – Hampton Roads Division

Firm Association

Wetland Studies and Solutions, Inc. (WSSI)

Project Assignment Environmental Scientist

Years of Experience

With this firm: 1.5 With other firms: 1

Education

M.S./2024/Environmental Science/Christopher Newport University

B.A./2022/Biology/ Christopher Newport University

Registrations & Certifications

2024/Wetland Professional in Training

2024/Certified Associate Ecologist

2023/USFWS Approved Plant Surveyor in Virginia – Seabeach Amaranth

2023/40-Hour HAZWOPER Technician

2023/DEQ Responsible Land Disturber Mr. Livingstone has over two and a half (2.5) years of experience working in the environmental consulting business with Wetland Studies and Solutions, Inc. (WSSI) and other firms. Since joining WSSI in 2024, Mr. Livingstone's primary responsibilities include site reconnaissance, wetland delineations, performing stream assessments, Phase I and II Environmental Site Assessments, Voluntary Remediation Program (VRP) assessments, and preparing reports and exhibits.

Mr. Livingstone's relevant experience includes:

Norfolk Coastal Storm Risk Management Project Phase I & II ESAs - Norfolk, Virginia

Mr. Livingstone has assisted in five (5) Phase I ESAs in conformance with American Society of Testing and Materials (ASTM) E1527-21 on multiple historic industrial waterfront properties along the Elizabeth River in Norfolk, Virginia. The ESAs ranged from single-parcel properties to 4.5-mile long corridors in Downtown Norfolk. These projects were performed for due diligence requirements in support of the Norfolk Coastal Storm Risk Management project. In addition, Mr. Livingstone has assisted in three (3) Phase II Environmental Site Assessments in conformance with the ASTM Standard E1903-19 to include subsurface sampling of soil and groundwater, analysis of laboratory results, and report preparation.

Eastern Shore Drive Drainage Improvements Phase I & II ESAs -Virginia Beach, Virginia

Mr. Livingstone assisted in two (2) Phase I ESAs in conformance with American Society of Testing and Materials (ASTM) E 1527-21 along Shore Drive in Virginia Beach, Virginia. These ESAs were performed for due diligence requirements in support of the construction of new stormwater pump stations and piping as part of a larger drainage improvement project for the City of Virginia Beach. In addition, Mr. Livingstone has assisted in two (2) Phase II Environmental Site Assessments in conformance with the ASTM Standard E1903-19 to include subsurface sampling of soil and groundwater, analysis of laboratory results, and report preparation.

Westminster Avenue Reconstruction Phase I ESA - Norfolk, Virginia

Mr. Livingstone assisted in the completion of a Phase I Environmental Site Assessment in conformance with American Society of Testing and Materials (ASTM) E 1527-21 along the approximately 0.5-mile Westminster Avenue corridor in Norfolk, Virginia for due diligence requirements and to assess potential environmental conditions that could impact planned construction activities within the Project Area.

Buckeye Chesapeake Terminal Well Monitoring & Sampling- Chesapeake, VA

Mr. Livingstone has performed well monitoring and sampling of the Buckeye Chesapeake Terminal facility in Chesapeake, Virginia. This project is part of an ongoing remediation effort to address creosote contamination on several parcels located within the Project Area. Mr. Livingstone is responsible for completing the following tasks: well gauging, soil and groundwater sampling, well abandonment supervision, and report and exhibit preparation. In addition, Mr. Livingstone has performed emergency spill response, including site reconnaissance, initial abatement utilizing booms and adsorbent pads, and soil and groundwater sampling.

Gale Drive Petroleum Investigation - Virginia Beach, Virginia

Mr. Livingstone assisted in a petroleum investigation for the City of Virginia Beach to investigate reports of fuel odors and petroleum sheens observed within the surrounding residential neighborhood. Responsibilities included collecting soil and groundwater samples, analysis of laboratory results, report preparation, and recommendations for further remedial actions.

3120 Tyre Neck Road Voluntary Remediation Program (VRP) Enrollment – Portsmouth, Virginia

Mr. Livingstone assisted in the preparation of a VRP enrollment application for a site in Portsmouth, Virginia. Responsibilities included summarizing previous environmental investigations, preparation of a VRP application, and correspondence with the client and the Virginia Department of Environmental Quality (DEQ).

City of Virginia Beach TMDL Sediment Sampling - Virginia Beach, Virginia

Mr. Livingstone completed sediment sampling for Quarters 3 and 4 in accordance with the City of Virginia Beach's Total Daily Maximum Load (TMDL) sediment sampling project. Responsibilities included collecting grab samples of material from street sweeping and pump stations throughout the City of Virginia Beach, site documentation, and providing summary reports to the client.

Suffolk Seaboard Wetland Delineation & Baseline Soil Sampling - Suffolk, Virginia (Other Firm)

Mr. Livingstone assisted with a wetland reconnaissance, delineation, and data entry along an approximately 1.5-mile former rail line corridor in Suffolk, Virginia to determine the extent of wetlands and other Waters of the U.S.



on the Site. He also performed baseline RCRA metals soil sampling along the corridor for due diligence requirements and to assess potential environmental conditions that could impact planned construction activities within the Project Area.

Tabb Tire Station UST Closure & Post-Closure Soil Sampling - Yorktown, Virginia (Other Firm)

Mr. Livingstone assisted in supervising an underground storage tank (UST) closure of two (2) 10,000-gallon capacity gasoline USTs in Yorktown, VA. Responsibilities included tank assessments, ensuring proper UST Closure Permits were obtained from the York County Fire Marshall, coordination with waste disposal contractors, post-closure soil sampling, and report preparation.

Fairwinds Landing Phase II Environmental Site Assessment - Norfolk, Virginia (Other Firm)

Mr. Livingstone assisted in the fieldwork portion of a Phase II Environmental Site Assessment at the Fairwinds Landing site in Lamberts Point, Norfolk, VA. His responsibilities included collecting 15 hand-augured soil and groundwater samples and eight (8) sub-slab shallow soil gas samples, in addition to subsequent laboratory results analysis and report preparation.

Chesapeake Deepwater Terminal Phase I & II Environmental Site Assessments; Threatened & Endangered Species Review – Chesapeake, Virginia (Other Firm)

Mr. Livingstone assisted in the completion of a Phase I Environmental Site Assessment in conformance with ASTM E1527-21 for a 76-acre property for a historically industrial waterfront property in Chesapeake, VA. He also assisted with a Threatened & Endangered Species Review, to include assessment of information from the USFWS IPaC, DWR VaFWIS, and DHR V-CRIS data programs. Subsequently, Mr. Livingstone assisted with the collection of 32 soil and groundwater samples from around the Site, including the completion of boring diagrams, boring logs, laboratory results analysis, and report preparation.

Albano Cleaners & Jewelry Store Phase II Environmental Site Assessment & Top-of-Casing Survey – Virginia Beach, Virginia (Other Firm)

Mr. Livingstone assisted in the collection of groundwater samples from several monitoring wells on a former drycleaning facility and gas station in Virginia Beach, VA. He also assisted in the collection of groundwater elevation and migration data on two separate events (high tide and low tide).

Dewberry I-64 HREL Segment 4C Phase II Environmental Site Assessment – Hampton, Virginia (Other Firm)

Mr. Livingstone assisted in the collection of 17 hand-augured soil and groundwater samples along the Rip Rap Road and Spring Street sections of the 1-64 HREL Section 4C Project Corridor in Hampton, VA. This project was performed to satisfy due diligence requirements and to assess potential environmental conditions that could impact planned construction activities within the Project Area.



Figure 1 – Vicinity Map

Figure 2 – Photo Location Map

Figure 3 – Phase I ESA Findings



