

Phase I Environmental Site Assessment Report
Tier 1 Vapor Encroachment Screening Report
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West
Hardwick, Vermont 05836



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Prepared for:
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1.0 EXECUTIVE SUMMARY

LE Environmental LLC (LEE) conducted a Phase I Environmental Site Assessment (ESA) and a Tier 1 Vapor Encroachment Screening (Tier 1 VES) at Town of Hardwick Tax Map Parcel 09001, the Yellow Barn property (Former Greensboro Garage), 281 Vermont Route 15 West in Hardwick, Caledonia County, Vermont (property). The ESA was conducted pursuant to the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13). The Tier 1 VES was conducted pursuant to ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM E2600-15).

This assessment was conducted for the Central Vermont Regional Planning Commission of Montpelier, Vermont (CVRPC), on behalf of the Town of Hardwick, Center for an Agricultural Economy, and Northeast Vermont Development Association (NVDA) partnership, the document users. Funding for this Phase I ESA was provided by CVRPC via EPA Brownfields Assessment Cooperative Agreement #BF00A00108. The owner of the property as of the date of this report is 1781 Group LLC of Hardwick, Vermont.

The property is currently vacant and unused except for approximately 60 new vehicles, which are being stored by the adjacent car dealership, on the eastern end of the property. The most recent property use was the Greensboro Garage, an auto repair shop that operated for approximately 30 years. The western end of the property contains a snowmobile trailhead parking area and signage. Past use of the property for agriculture is evident based on the construction of the barn building.

The property currently has three structures, including the main barn, a storage shed, and a breezeway. The structures are connected at one end by the breezeway to form a "U" and there is a narrow grassy area between the barn and the shed. The buildings were built in 1939. The property was a dairy farm from 1939 to 1988.

In 1988 Stephen Ferber and Tim Nisbet purchased the property and it began operating as an auto repair garage (Greensboro Garage). The property operated as an auto repair garage for approximately 30 years, ending in 2017. No gasoline dispensing was performed, and there are no known or suspected underground storage tanks on the property. Waste oil was collected in a 275-gallon above ground tank and was burned to provide heat for the garage. Hydraulic lifts were present in the building and they were the above-grade type of lift with no buried tanks or piping. RCRA records indicate that a variety of hazardous substances and petroleum products were used at the Greensboro Garage.

A Phase I ESA and a Phase II ESA were prepared in 2017 & 2018 for the current property owner. The Phase I ESA identified one REC and two business environmental risks. The REC included historical site use of over 30 years as an auto



garage with bodywork and equipment maintenance. One sealed floor drain and a slop sink connected to the on-site septic system were found. The business environmental risks included accumulated solid waste (tires, car parts, empty containers) and use of hazardous substances and petroleum products on site.

The Phase II ESA included septic tank and soil sampling and analysis. Test pits were dug between the barn and the storage shed, and the septic tank was located. One septic tank effluent sample and five soil samples were collected. The soil sample locations included the floor drain outlet, one spot beneath the floor drain outfall pipe and three test pit locations between the barn and the shed. All the samples (soil and septic tank) were tested for volatile organic compounds (VOCs), and the outfall soil and septic tank effluent sample were tested for RCRA 8 metals and PCBs.

No Vermont action levels or standards were exceeded for the soil samples. No PCBs were detected at the floor drain outfall or in the septic tank effluent. The shop sink is connected to the septic tank. The septic tank effluent appeared to be enriched in lead (13 times the Vermont Groundwater Enforcement Standard (VGES)), arsenic (1.4 times the VGES) and cadmium (5.4 times the VGES). Soil metals concentrations at the outfall location were within background levels. Polycyclic Aromatic Hydrocarbons (PAHs) were not tested for. No further work was recommended.

A floor drain in the vehicle service area was reportedly plugged in 2016. The drain outlet was in a ditch on the property. Soils at the drainpipe outfall were tested and no VOCs or PCBs were detected. Soils at the drainpipe outfall were found to not exceed current state and federal screening values for RCRA 8 metals.

The adjoining property to the northeast (Lamoille Valley Ford) is an active hazardous Site, RCRA CESQG location, and a hazardous waste manifest site. Annual groundwater monitoring is taking place, due to persistent petroleum contamination at one location on that property. Groundwater has been mapped flowing both east and west, suggesting that the Lamoille River stage might influence the groundwater flow regime. One groundwater monitoring well between the contamination and the property has tested non-detect for petroleum on multiple dates. RCRA records indicate that a variety of hazardous substances and petroleum products are used at Lamoille Valley Ford.

LEE has evaluated the available environmental data for the property and has identified three RECs and one VEC as defined by ASTM. The RECs include: possible contamination in the leachfield area; possible soil contamination due to historic auto service uses and adjacent railway uses; and, possible soil vapor contamination due to historic property use for auto repairs and the nearby Lamoille Valley Ford Site. The possible vapor contamination REC is also a VEC. A supplemental Phase II ESA/ Tier 2 VES is recommended to determine if contamination is present due to the identified RECs and the VEC, and to generate necessary soil quality data for redevelopment purposes.



2.0 INTRODUCTION

LE Environmental LLC of Waterbury, Vermont (LEE) conducted a Phase I Environmental Site Assessment (ESA) and a Tier 1 Vapor Encroachment Screening (Tier 1 VES) at Town of Hardwick Tax Map Parcel 09001, the Yellow Barn property (Former Greensboro Garage), 281 Vermont Route 15 West in Hardwick, Caledonia County, Vermont (property; see Appendix A). The ESA was conducted pursuant to the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13). The Tier 1 VES was conducted pursuant to ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM E2600-15).

This assessment was conducted for the Central Vermont Regional Planning Commission of Montpelier, Vermont (CVRPC), on behalf of the Town of Hardwick, the Center for an Agricultural Economy, and Northeast Vermont Development Association (NVDA) partnership, the document users. Funding for this Phase I ESA was provided by CVRPC via EPA Brownfields Assessment Cooperative Agreement # BF00A00108. The owner of the property as of the date of this report is 1781 Group LLC of Hardwick, Vermont.

2.1. Purpose

The purpose of this ESA was to identify recognized environmental conditions (RECs), historic RECs and de minimis conditions in association with the property as defined and described in the ASTM standard.

2.2. Detailed Scope-of-Services

LEE was engaged by client to conduct a Phase I ESA as defined in ASTM E 1527-13. The Phase I ESA work scope included the following elements:

- A general description of the site and vicinity, current property and adjoining property uses, and/or description of improvements.
- An evaluation of user supplied information including land records, liens, limitations, specialized knowledge, and valuation information.
- A review of practically reviewable regulatory and historic records in connection with the property.
- A site reconnaissance including general site setting, interior and exterior observations.
- Interviews with owner, site manager, occupants, local government officials and others as available.
- Presentation of Findings, Opinion, Conclusions, Deviations and the results of any out of scope contract obligations between client and LEE.



LEE also conducted a Tier 1 Screening per ASTM E2600-15 to determine whether a Vapor Encroachment Condition (VEC) exists at the property. Opinions and findings regarding the Tier 1 VES are presented in Section 12 of this document.

No invasive environmental testing was conducted, and no assessment or testing of asbestos, lead paint, radon or other structural environmental hazards was conducted.

3.0 SITE DESCRIPTION

3.1. Location and Legal Description

The property consists of Hardwick Tax Parcel 09011, a 4.7-acre parcel at 281 Vermont Route 15 West (see tax map and property card in Appendix A). The property coordinates are 44° 30' 57.21" north latitude and 72° 22' 38.60" west longitude.¹ Land records reviewed at the Town of Hardwick Clerk's office indicate that the property was owned for relatively short durations (6 years or less) by a succession of individuals from 1975 to 1988. The owners of the Greensboro Garage acquired the property in 1988, and it operated through circa 2017. The current owner acquired the property in late 2017.

3.2. Site and Vicinity General Characteristics

The Lamoille River borders the property on its western end and flows generally southwesterly in this area. Hardwick Lake is located to the north and the dam for Hardwick Lake is a few hundred feet north of the property. A small stream was noted near the southwestern corner of the property, flowing westerly toward the Lamoille River. Possible wetlands were noted near the stream, between the trailhead parking area and the historic railway line. No exposed bedrock was noted.

Depth to groundwater is likely to be less than 10' deep based on the depth to and proximity of the Lamoille River. The groundwater flow direction beneath the property is most likely toward the west based on the surface topography and the location of surface waters. The depth to groundwater and predicted flow direction were not confirmed during this Phase I ESA.

3.3. Current Use of the Property

The property is currently vacant and unused except for approximately 60 new vehicles, which are being stored by the adjacent car dealership on the eastern end of the property. The western end of the property contains a snowmobile trailhead

¹ EDR, Page 3.



parking area and signage. The most recent property use was the Greensboro Garage, an auto repair shop that operated for approximately 30 years. Past use of the property for agriculture is evident based on the construction of the barn building, with stalls and troughs cast into the cement floor for cattle.

3.4. Descriptions of On-Site Structures, Roads and Other Improvements

The property hosts three separate buildings, described as follows:

1. The main building on the property is the yellow barn. It is an approximately 35' wide x 120' long structure with three levels and no basement. It is a wood frame and sided structure with a gambrel roof. The ground floor level has a cement floor, and it was a cow barn for many years with castings for troughs and stalls still present on the western side of the ground floor. Later, the ground floor was finished off with sheetrock walls and ceiling and it became an auto service shop for approximately 30 years. The second and third floors appear to have been a hayloft and later may have been used to store auto parts.
2. The other main structure on the property is an open storage shed. It is located to the south of the barn, and is approximately 30' deep and 120' long. It is a wood framed and sided (3 sides) structure with a dirt floor and a shed roof pitched toward the south.
3. The barn and the shed are connected to each other with an approximately 20' long wooden breezeway structure.

In addition, a 48' box trailer was present on the property. LEE could not access the interior of the trailer because it was locked. Reportedly, it contains auto parts left over from the repair shop business.

3.5. Current Uses of Adjoining Properties

Current uses of adjoining properties are as follows:

- North: (west to east) undeveloped land, a residence, and Lamoille Valley Ford Dealership.
- East: Lamoille Valley Ford dealership and a used car lot.
- South: Former railway line, Hardwick wastewater treatment plant (WWTP).
- West: Lamoille River and agricultural land across the river.



4.0 USER SUPPLIED INFORMATION

4.1. Title Records

LEE reviewed chain of title information for the property at the Hardwick Town Clerk's office on September 25, 2018. A tabular summary of the property ownership history is included in Table 4-1. Deeds could not be traced back past 1975.

Table 4-1

Grantor	Grantee	Book	Page	Date
281 VT Route 15W LLC	1781 Group LLC	150	78	11/21/2017
Stephen Ferber Tim Nisbet	281 VT Route 15W LLC	141	211	12/28/2012
Anthony Washburn Margaret Howard	Stephen Ferber Tim Nisbet	79	147	6/30/1988
Raymond Picard Marguerite Picard	Anthony Washburn Margaret Howard	67	234	3/29/1982
Robert Whitney Jonathon Lussier	Raymond Picard Marguerite Picard	62	171	12/11/ 1978
Kenneth Brown Connie Brown	Robert Whitney Jonathon Lussier	59	497	10/10/1977
Ken Roger Noel Lussier	Kenneth Brown Connie Brown	59	292	1/16/1976
Alfred Anair Pauline Anair	Ken Roger Noel Lussier	NR ²	NR	12/16/1975
M-S-W Corp.	Alfred Anair Pauline Anair	NR	NR	12/16/1975

4.2. Environmental Liens or Activity and Use Limitations

No environmental liens or activity and use limitations were discovered during review of land records. User was not aware of the existence of environmental liens or activity and use limitations in connection with the property.

4.3. Specialized Knowledge

User provided the following specialized knowledge regarding the property: see Section 7.0.

4.4. Commonly Known or Reasonably Ascertainable Information

User provided the following commonly known or reasonable ascertainable information regarding the property: See Section 7.0.

² NR = No book or page number available; the deed references a barn and a silo on the property.



4.5. Valuation Reduction for Environmental Issues

User indicated that the negotiated price for the pending transaction does not reflect a valuation reduction for environmental issues.

4.6. Owner, Property Manager, and Occupant Information

User identified the property owner and manager as the 1781 Group LLC of Hardwick. The property is not presently occupied except for new car storage.

4.7. Reasons for Performing Phase I

User indicated that the current Phase I ESA is being performed as a requirement of the NEPA application process for a community development block grant via the Vermont Community Development Program.

4.8. Other User Supplied Information and Documentation

User provided the following other information and documentation. A synopsis of these reports is provided in Section 5.2.

- Phase I Environmental Site Assessment Report for 281 Vermont Route 15, Ross Environmental Associates, September 2017.
- Phase II Environmental Site Assessment Report for 281 Vermont Route 15, Ross Environmental Associates, January 2018.

5.0 RECORDS REVIEW

5.1. Standard Environmental Record Sources

5.1.1 Regulatory Database Search

LEE contracted with Environmental Data Resources, Inc. (EDR) to perform a review of state and federal regulatory records during this Phase I ESA. A copy of the EDR Report is included in Appendix F. A summary of the pertinent data contained in the EDR report is presented below.

Property

The property is included in the EDR report for the following searched databases:

- RCRA CESQG-The property is included on the RCRA conditionally exempt small quantity generator of hazardous waste database (EPA ID # VT5000001230). The listing is for small quantities of ignitable wastes



(VT02), lead (D008), Benzene (D018), Tetrachloroethene (D039), Trichloroethene (D040) and non-halogenated solvents (F003 & F005). The generator start date was July 1988. No violations were listed.

- Hazardous waste manifest site-the property is included as a generator hazardous waste manifest location. One shipment of hazardous waste was made in June 2017 which included 600 pounds of lead and chromium based waste.
- FINDS/ECHO databases: The property is included on the EPA FINDS/ECHO databases due to its history of waste generation.

Adjoining Properties

The Lamoille Valley Ford property at 222 Route 15 West (adjoining to the northeast) is included in the EDR report for the following searched environmental databases:

- Leaking Underground Storage Tank (UST) Site: Lamoille Valley Ford is Department of Environmental Conservation (DEC) Site #96-2091 due to gasoline contamination in groundwater from a failed UST. It is a low priority site, with contamination of soil or groundwater but “no effect on sensitive receptors” according to the DEC database. The site is in annual monitored natural attenuation.
- RCRA-CESQG: Lamoille Valley Ford is included on the RCRA conditionally exempt small quantity generator of hazardous waste database (EPA ID # VTR000002907). The listing is for small quantities of ignitable wastes (VT02), lead (D008), Benzene (D018), Tetrachloroethene (D039), Trichloroethene (D040), Methyl Ethyl Ketone (D039) and non-halogenated solvents (F005). The generator start date was May 2003. No violations were listed.
- Hazardous Waste Manifest site: Lamoille Valley Ford is included as a generator hazardous waste manifest location. Several shipments of hazardous waste were made between 2006 and 2015 including gasoline and fuel oil wastes, lead and chromium wastes, and mineral spirits.
- FINDS/ECHO databases: Lamoille Valley Ford is included on the EPA FINDS/ECHO databases due to its history of waste generation.

The Hardwick WWTP (adjoining to the south) is included in the EDR report as a UST registry location. An active 1,000-gallon fuel oil UST is present. The UST was installed in 1997, is double wall and the piping is secondarily contained. The EDR Orphan Sites List also includes the WWTP as a State-listed leaking UST Site, DEC Site #97-2221 with Sites Management Activity Complete (SMAC) status. The listing is for heating oil contamination associated with a removed UST. The listing indicates that site investigations were completed, no groundwater contamination was found, and the site was closed.



Other Sites

Hardwick Kwik Stop and Deli, Inc. at 454 Vermont Route 15 West (250 feet northwest, across the Lamoille River, not adjoining) is included in the EDR report as a UST registry location, RCRA CESQG, hazardous waste manifest location, and EDR Historical Auto service location (as Perry's Oil Service). The waste listings appear to be related to UST maintenance.

Several UST registry and RCRA waste generator listings appear in the ¼ mile radius to the southwest of the property, in locations that could be upgradient with respect to groundwater flow. These include Kingdom Metal Finishing (RCRA Non-Generator), former Vermont Milk Company (UST registry), and Rite – Aid (RCRA generator and manifest location). These locations do not have associated hazardous sites listings or other indications of reported subsurface contamination.

Other sites are included in the EDR report in Hardwick for one or more of the searched environmental databases. They are not thought to present a significant environmental risk to the property in light of their locations relative to the topography in the area and their distances from the property. Orphan sites listed in the EDR report were examined and were determined to not present a threat of environmental impact to the property.

5.2. Additional Environmental Record Sources

LEE checked the Vermont Agency of Natural Resources (ANR) Atlas Waste Management Database and confirmed that the property is not included on ANR's inventory of historic dry cleaning locations, UST registry, hazardous sites, landfills, land use restrictions, hazardous waste generators, Brownfields, or salvage yards. A map generated from the ANR Atlas showing the property and surrounding properties, and nearby hazardous waste sites, brownfields sites, solid waste sites, UST sites, and dry cleaning sites is included in Appendix A.

LEE reviewed a Phase I ESA report³ and a Phase II ESA report⁴ for the property.

- The Phase I ESA report was prepared for the current property owner. It identified one REC and two business environmental risks. The REC included historical site use of over 30 years as an auto garage with bodywork and equipment maintenance. One sealed floor drain and a slop sink connected to the on-site septic system were found. The business environmental risks included accumulated solid waste (tires, car parts, empty containers) and use of hazardous substances and petroleum products on site.

³ Ross, 2017.

⁴ Ross, 2018.



- The Phase II ESA report was prepared for the current property owner, and it included septic tank and soil sampling and analysis. Five test pits were dug and the septic tank was located. One septic tank effluent sample and five soil samples were collected. The soil sample locations included the floor drain outlet, one spot beneath the floor drainpipe and three test pit locations between the barn and the shed. All the samples (soil and septic tank) were tested for VOCs, and the outfall soil sample and the septic tank effluent sample were tested for RCRA 8 Metals and PCBs. No Vermont action levels or standards were exceeded for the soil samples. One VOC (methylene chloride) was reported in two soil samples; the detection was attributed to lab contamination. No PCBs were detected at the floor drain outfall or in the septic tank effluent. The septic tank effluent appeared to be enriched in lead (13 times the state groundwater standard), arsenic (1.4 times the state groundwater standard) and cadmium (5.4 times the state groundwater standard). Soil metals concentrations at the outfall location were within background levels. Polycyclic Aromatic Hydrocarbons (PAHs) were not tested for. No further work was recommended.

LEE reviewed two reports for the Lamoille Valley Ford property (former Hardwick Motors) including an initial site investigation report⁵ and a 2016 groundwater monitoring report.⁶

- An initial site investigation was performed in 1997 after UST piping replacement indicated the presence of petroleum contamination near a fuel dispenser. The investigation included installing three groundwater monitoring wells, and sampling. The findings indicated that groundwater was flowing northwesterly, and that groundwater in the vicinity of the UST was contaminated at levels over state groundwater standards.
- The 2016 groundwater monitoring report showed that groundwater flow was easterly, and that groundwater in the vicinity of the UST continued to have contamination at levels over state groundwater standards. The 2016 report indicates that groundwater at a monitoring well between the contaminated area and the property has been non-detect for petroleum contamination on multiple sample dates.

LEE reviewed three documents related to reported petroleum contamination at the WWTP including a DEC First Letter,⁷ a Site Investigation Report, and a SMAC letter.

- Two petroleum USTs (a 300-gallon diesel fuel UST and a 1,000-gallon #2 fuel oil UST) were removed in July 1997 and contamination was detected in the UST pit.

⁵ Griffin, 1997.

⁶ KAS, 2017.

⁷ DEC, 1997.



- A site investigation was performed during which four soil borings and monitoring wells were installed. No detectable petroleum contamination was found in the soil or groundwater during the site investigation. Groundwater was found to flow northerly in the direction of the property during the Site investigation. Two wells at the WWTP were between the removed USTs and the property and neither well had detectable petroleum contamination.
- The DEC issued the SMAC letter in April 1999.

LEE reviewed two documents related to the Kwik Stop Deli site (DEC Site 94-1608) including a First Letter⁸ and a Site Investigation document.⁹

- The First Letter indicates that contamination was detected in the water supply well serving the deli and two nearby residences. The First Letter requested a site investigation and assessment of the drilled well contamination.
- A Site investigation was conducted and installation of a new drilled well was proposed and installed. Information in the Site investigation report confirms that both the contaminated well and its replacement well are drilled into rock. The contaminated well was 150 feet deep and the replacement well is 348 feet deep. A note on the DEC web page for this site indicates that the water supply was replaced and monitoring has ceased.

The ANR Atlas shows a solid waste landfill to the northeast of Lamoille Valley Ford. According to the ANR Atlas, it is the closed Brown Company Landfill. No water quality monitoring data is available, and no gas collection is being performed there.

5.3. Maps

5.3.1 USGS Topographic Maps

USGS topographic quadrangle maps were reviewed during this assessment including maps from 2018,¹⁰ 1951 and 1938.¹¹ The 2018 map does not show individual structures. It shows two large rectangular surface water bodies to the south of the property, which are the municipal sewage lagoons. The 1951 map shows two structures at the western side of the property. The structures are open squares (not filled in) indicating they were normally unoccupied structures. The rest of the property appeared to be cleared and otherwise not developed. The property appeared to be undeveloped and cleared land on the 1938 map.

⁸ DEC, 1995.

⁹ LAG, 1998.

¹⁰ 2018 Map from USGS Store.

¹¹ 1951 and 1938 Maps from University of NH Library.



5.3.2 State Geological Maps

Bedrock in the vicinity of the property consists of Cambrian-Ordovician aged metasedimentary rocks of the Moretown Formation and the overburden deposits in the area of the property are mapped as recent alluvium due to Lamoille River flood events.¹²

5.3.3 Fire Insurance Maps

Sanborn insurance mapping is not available for the property. A “no coverage” letter from EDR is included in Appendix A.

5.4. Other Historical Use Information for the Property and Adjoining Properties

5.4.1 Standard Historical Sources

Aerial Photographs

LEE reviewed aerial photographs for select years beginning in 1939 through 2016. Observations for the property and the adjoining properties are presented in Table 5-2.

Table 5-2: Summary of Air Photo Observations

Year	Observation (property, adjoining properties where available)
2016 2012 2009 1993	Property: “U” shaped building, approximately 25 vehicles parked on the property. Adjoining: North: Car dealership; South: WWTP, railway line faintly visible; East: commercial buildings; west: wooded.
1980 1976	Property: “U” shaped building, property appears to be cleared. Adjoining: North: unidentified structures;; South; WWTP, railway line clearly visible 1980; east, unidentified buildings; west: undeveloped.
1960 1942 1939	Property: “U” shaped building, property appears to be cleared. Adjoining: undeveloped, mostly cleared. Railway line clearly visible to the south.

Other Historical Sources

LEE reviewed an 1875 Beers Atlas Map of Hardwick, Vermont.¹³ The property was undeveloped at that time. Residences were noted to the north and southeast along the main road. The Portland and Ogdensburgh Railway Line ran to the south of the property.

¹² ANR Atlas.

¹³ NEK Genealogy.



6.0 SITE RECONNAISSANCE

6.1. Methodology and Limiting Conditions

On September 25, 2018, Alan Liptak and Angela Emerson of LEE conducted a site reconnaissance to inspect the property for indications of environmental risks or hazardous conditions. A completed site inspection checklist is included in Appendix C. LEE was accompanied by Andrew Meyer, current property owner representative, and Jon Jewett, Hardwick Town Manager, during the site reconnaissance. Photographs of the property are included in Appendix B.

LEE inspected the exterior grounds and the interior of the barn, shed and breezeway. The property is vacant and unused. All contents have been removed. No hazardous substances or petroleum products were present. No drums were noted. No active drains or sumps were noted. A plugged floor drain is present in the former service area.

One, 275-gallon AST was noted in the repair garage. The AST was formerly used to store waste oil for building heat. The gauge reading was empty during the site reconnaissance. Substantial oil staining was noted around the AST on the walls and floor.

No suspect PCB containing devices were noted. Two hydraulic lifts formerly in the service area were above grade units bolted to the floor, and were too new to be at risk to contain PCBs. No elevators or transformers were noted. Generally, the auto repair business was recent enough that lubricants and fluids used there would not be expected to contain PCBs.

The building is presently unheated and uncooled. Previously, the service bay was heated with two ceiling mounted waste oil furnaces, and a propane-fired space heater was used in the office area.

Staining was noted at several places on the cement floor of the former auto service bay, especially in the vicinity of the waste oil AST, along the south wall where petroleum products appeared to have been stored, and near the southwest corner of the garage near the slop sink where waste oil transfer apparently took place. Staining was noted at several places on the ground in the shed, apparently where petroleum products had been stored in the past.



7.0 INTERVIEWS

7.1. Interview with Property Owner and Current Site Manager

LEE interviewed Andrew Meyer, member of the 1781 Group LLC, current property owner, via telephone on September 19, 2018. Important points raised during this interview included the following. The owner interview checklist is in Appendix D.

- The property is vacant and unused.
- A Phase I ESA was performed in 2017.
- A Phase II ESA was performed in 2018.
- The results of the Phase II ESA showed no contamination related to the floor drain, waste storage areas or septic tank.
- Solid wastes and containers left over from the Greensboro Garage operations noted in the Phase I ESA were removed prior to sale.
- No hazardous substances or petroleum are left on the property except for a 275-gallon oil tank that was used for heating.
- The property was in agricultural use for many years, then it became an auto service facility.

The previous Phase I ESA report¹⁴ documented an interview conducted with Mr. Tim Nisbet, previous owner representative. Mr. Nisbet indicated in the interview that that he had owned the property for 29 years as of the interview date (August 29, 2017) and that it was an auto garage, auto body garage, equipment repair and a dairy farm. No gasoline dispensing or USTs were present. A 275-gallon above ground storage tank is present with a waste oil furnace, and one propane gas above ground tank was also present. Hazardous substances and petroleum products on the property as of the time of the interview included brake fluid, antifreeze, transmission fluid, and gasoline. One above ground hydraulic lift was present. A copy of the 2017 interview form is included in Appendix C.

7.2. Interviews with Document Users

LEE interviewed Jon Jewett, Hardwick Town Manager, via telephone on September 24, 2018. Important points raised during this interview included the following. The document user checklist is in Appendix D.

- He is not aware of any environmental liens or environmental activity and use limitations in connection with the property.
- He is not aware of any environmental cleanups that have taken place at the property.

¹⁴ Ross, 2017.



- Aside from reported stains on the cement floor, there are no obvious indications of contamination, spills or releases of hazardous substances or petroleum products at the property.

LEE interviewed David Snedeker of the NVDA, on behalf of NVDA and the Center for an Agricultural Economy, via telephone on September 27, 2018. Important points raised during this interview included the following. The document user checklist is in Appendix D.

- He is not aware of any environmental liens or environmental activity and use limitations in connection with the property.
- He is not aware of any environmental cleanups that have taken place at the property.
- Aside from reported stains on the cement floor, there are no obvious indications of contamination, spills or releases of hazardous substances or petroleum products at the property.

7.3. Interview with Local Government Officials

LEE attempted to call the Town Fire Department during this Phase I ESA but there was no answer and no answering machine. The previous Phase I ESA documented interviews with two town officials (Kristen Leahy, Zoning Administrator and Sue Cross, Assistant Town Clerk), neither of whom recalled any environmental hazards, violations or permitting problems related to the property.¹⁵

8.0 FINDINGS

LEE has developed the following findings during this Phase I ESA:

1. The property appears to have been undeveloped except for possible agriculture use, in 1875 and 1938.
2. The property currently has three structures, including the main barn, a storage shed and a breezeway. The structures are connected at one end by the breezeway to form a "U" and there is a narrow grassy area between the barn and the storage shed.
3. The buildings appear to have been built in 1939. The property was a dairy farm from 1939 to 1988. The 1939 air photo shows the "U" shaped structure on the property, with no indications of an auto repair enterprise. A similar situation was observed on the 1942, 1960, 1976 and 1980 air photos.
4. In 1988 Stephen Ferber and Tim Nisbet purchased the property and it began operating as an auto repair garage (Greensboro Garage). The property operated as an auto repair garage for approximately 30 years, through 2017.

¹⁵ Ross, 2017, Page 23.



5. The property is included in the EDR report as a RCRA CESQG, for generation of ignitable waste, lead, benzene, chlorinated and non-chlorinated solvents.
6. No gasoline dispensing was performed, and there are no USTs on the property. Waste oil was collected in a 275-gallon AST and was burned to provide heat for the garage.
7. Hydraulic lifts were present in the building and they were the above-grade type of lift with no buried tanks or piping.
8. A floor drain in the vehicle service area was reportedly plugged in 2016. The drain outlet was in a ditch on the property. Soils at the drainpipe outfall were tested and no VOCs or PCBs were detected. Soils at the drainpipe outfall were found to not exceed current state and federal screening values for RCRA 8 metals.
9. The shop sink is connected to the septic tank. A sample of septic tank effluent was tested during the Phase II ESA, and was found to have enrichment of arsenic, cadmium and lead in the effluent relative to the VGES. No PCBs or VOCs were detected in the effluent, although the detection limits were significantly higher than the VGES for many of the tested compounds.
10. The adjoining property to the northeast (Lamoille Valley Ford) is an active hazardous Site, RCRA CESQG location, and a hazardous waste manifest site. Annual groundwater monitoring is taking place, due to persistent petroleum contamination at one location on that property. Groundwater has been mapped flowing both east and west, suggesting that the Lamoille River stage might influence the groundwater flow regime. One groundwater monitoring well between the petroleum contamination and the property has tested non-detect for petroleum on multiple dates.
11. Lamoille Valley Ford is included in the EDR report as a RCRA CESQG, for generation of ignitable waste, lead, benzene, chlorinated solvents and non-chlorinated solvents.
12. A closed solid waste landfill is shown on the ANR Atlas to the northeast of Lamoille Valley Ford, in a location that does not appear to be upgradient of the property with respect to groundwater flow. No water quality data is available for this landfill.
13. An historic railway line abuts the property on its south side.
14. The adjoining property to the south (Hardwick WWTP) is an inactive hazardous Site, and a UST registry Site. Two petroleum USTs were removed in 1997 and contamination was found in the UST pit. A Site investigation found no contamination of soil or groundwater outside of the UST pit including at two locations between the removed UST pit and the property. Groundwater was found to flow northerly during the Site investigation.
15. A nearby non-adjoining property (Kwik Stop Deli/Perry's Oil Service) is an active hazardous Site, UST registry location, RCRA CESQG location, hazardous waste manifest location, and historical auto service location. Contamination was found in a shared bedrock water supply well and the well was replaced. Monitoring of the replacement well has ceased, indicating that the water quality was acceptable. This location presently has active petroleum USTs.



16. Several UST registry and RCRA waste generator listings appear in the ¼ mile radius to the southwest of the property, in locations that could be upgradient with respect to groundwater flow. These include Kingdom Metal Finishing (RCRA Non-Generator), former Vermont Milk Company (UST registry), and Rite – Aid (RCRA generator and manifest location). No subsurface contamination has been associated with these database listings.

9.0 OPINION

LEE has evaluated the available environmental data for the property and has identified three RECs as defined by ASTM. These include: possible contamination in the leachfield area; possible soil contamination due to historic auto service uses and adjacent railway uses; and, possible soil vapor contamination due to historic on-property use for auto repair and the nearby Lamoille Valley Ford hazardous Site.

Possible Leachfield Contamination

During the 2017 Phase II testing, the septic tank effluent was enriched in arsenic, cadmium and lead relative to the VGES. The leachfield area was not tested during the Phase II ESA. If the metals concentrations in the septic tank effluent are indicative of the quality of the effluent that flowed to the leachfield, then it is possible that the soils in the leachfield area are also enriched in these metals. There is also a possibility of non-metallic contamination in the leachfield area as well, that may not have shown up in the septic sample because septic tanks are usually pumped every few years and the 2017 septic results may not be indicative of previous septic tank contents during the approximately 30 years of automotive operations.

Possible Soil and Groundwater Contamination

The Phase II ESA testing was focused on the floor drain outfall pipe and outfall, the septic tank (to which the slop sink is connected), and a relatively small area in between the buildings where wastes were stored. A property wide Phase II ESA including the exterior grounds where vehicles were stored over the 30-year life of the service garage as well as interior service bays was not performed. Groundwater was not tested. Due to observed staining it appears likely that soil and possible groundwater contamination is present in these areas due to historic vehicle repair.

During the 2018 site reconnaissance, stained soil and concrete were noted inside the barn and the storage shed. Some of the staining in the barn was proximal to cracks in the cement. These stains could be due to petroleum spills or other spilled chemicals while the auto repair business was in operation. According to RCRA, the auto repair business used a variety of chlorinated and non-chlorinated solvents and petroleum products. It is possible that these materials seeped into the ground



beneath the shed and the garage. These areas were not evaluated during the 2017 Phase II ESA.

PAHs are a common environmental contaminant present in petroleum as well as vehicle emissions, and a by-product of other combustion. PAHs were not tested for in the soil samples during the Phase II ESA. Vermont has established statewide background concentrations for PAHs for both rural and urban areas. The property is in a rural background area for purposes of establishing PAH concentrations. It is likely that PAHs are present above rural background concentrations over at least part of the property due to its history of vehicle storage and repair, waste oil combustion, proximity to a state highway, and proximity to a railway line that may have used coal to generate steam. Knowledge of the PAH concentrations in the soil will be necessary during redevelopment planning.

LEE does not believe the hydraulic lifts formerly on the property are an environmental concern. The lifts were relatively new above-grade units that were bolted to the floor. They did not have sub-surface components and were recent enough that PCBs would not be a concern.

Lamoille Valley Ford

Lamoille Valley Ford is an active hazardous site due to a gasoline release that was discovered in 1997. Annual groundwater monitoring is continuing and no active remediation has been performed. The direction of groundwater flow was westerly in 1997 and was easterly in 2016, indicating that it could vary with time, possibly with the Lamoille River stage. The petroleum contamination there is significant, with several long-term exceedences of the VGES, and is centered at monitoring well MW-1, which is approximately 100 feet north of the property. There is another monitoring well between MW-1 and the property (MW-11-05) that was tested four times from 2011-2013, and no contamination was found in the groundwater at that location. Therefore, the existing petroleum contamination is not likely to migrate toward the property via groundwater despite apparent changes in the groundwater flow direction over time. Soil gas migration from the petroleum-contaminated area at Lamoille Valley Ford onto the property is possible given that the contamination is approximately 100' north of the property. Soil gas contamination from non-petroleum sources is also possible because according to RCRA, the business uses a variety of chlorinated and non-chlorinated solvents and petroleum products. No soil gas testing has been performed at Lamoille Valley Ford.

Brown Company Landfill

The Brown Company Landfill is located northeast of Lamoille Valley Ford. No water quality data is known to exist and it is not known whether contamination is present. The directions of groundwater flow that have been determined for Lamoille Valley



Ford would suggest that groundwater contamination at the landfill, if it exists, would not be likely to migrate toward the property.

Hardwick WWTP

The Town WWTP is an inactive hazardous site due to contamination detected during removal of petroleum USTs in 1997. Relatively low but actionable field screened contamination was detected in the soil during the UST removals. A Site investigation was performed and no soil or groundwater contamination was detected at four locations, indicating that the soil contamination was confined to the UST pit. The groundwater flow direction was northerly, toward the property. Two of the four testing locations were between the property and the former UST pit, suggesting that the likelihood of petroleum contamination migrating via groundwater onto the property was very low. The low field screening concentrations measured during UST removals in 1997 also suggest that the risk of soil vapor migration onto the property is relatively low.

Railroad ROW

The historic railroad to the south of the property existed in 1875 and its operation continued until recent times. Historically, railway lines utilized large quantities of coal to produce steam. Combustion of coal over long periods of time can create PAH contamination in the nearby soils via atmospheric deposition of soot and ash. Later utilization of fuel oil for the same purpose can also create PAH contamination of nearby soils. Historic application of herbicides was performed along railway lines to reduce vegetation and the threat of fire from dried vegetation. It is possible that herbicides are present in soil in the immediate vicinity of the railway line, but since it is not an airborne contaminant, herbicides are less likely to be disbursed away from the railway. At this property the railway line is at lower elevation than the majority of the property, reducing the risk of runoff carried herbicide contamination onto the property. LEE does not consider this situation to be a REC because it does not appear likely that herbicides from the railway would be present on the property at levels of concern.

Kwik Stop Deli/Perry Oil

Petroleum contamination was encountered at the Kwik Stop Deli at the intersection of Routes 14 and 15. Bedrock groundwater contamination was encountered and a supply well was replaced as a result. Although the contamination appeared to reach the bedrock aquifer, this Site is on the opposite side of the Lamoille River from the property. The Lamoille River is the regional groundwater discharge zone and the likelihood of petroleum contamination reaching the property from the Kwik Stop site is low.



9.1 Additional Investigation

No additional investigations are deemed necessary to ascertain the presence or absence of RECs. Per ASTM E 1527-13, this opinion regarding additional investigations is only intended to convey those additional investigations that may be necessary to ascertain the presence or absence of a REC. It does not convey any recommendation relative to the need to perform a Phase II ESA or other assessment activities at the property.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Yellow Barn, 281 Vermont Route 15 West, Hardwick, Vermont, the property. Any exceptions to, or deletions from, this practice are described in Section 11.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following.

1. Possible contamination in soil in the leachfield area.
2. Possible soil contamination with petroleum, solvents, and PAHs above statewide rural background concentrations due to historical property use and nearby uses.
3. Potential soil gas contamination on the property due to historic property use for auto repairs and from Lamoille Valley Ford.

A recognized environmental condition is defined in ASTM E 1527 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

- 1) due to release to the environment;
- 2) under conditions indicative of a release to the environment; or
- 3) under conditions that pose a material threat of a future release to the environment.

De minimis conditions are not recognized environmental conditions.

10.1 Recommendation

A supplemental Phase II ESA / Tier 2 VES is recommended to determine if contamination is present due to the identified RECs and the VEC, and to generate necessary soil quality data for redevelopment purposes.



11.0 DEVIATIONS

11.1. Deviations/Data Gaps

Noted deviations to the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-13) included: none. One data gap was identified. LEE could not inspect the interior of the locked box trailer, which reportedly contains auto parts. No evidence of leakage from the trailer was noted and no staining was noted on the ground around the trailer. LEE does not believe this data gap has affected its ability to identify a REC because no evidence of leakage or staining was observed. No other significant data gaps were identified.

11.2. Significant Assumptions

LEE undertook performance of this Phase I ESA according to the following assumptions: None.

11.3. Limitations and Exclusions

LEE has prepared this Phase I ESA report in accord with ASTM E 1527-13 using the best efforts of Environmental Professionals and information available at the time of preparation. This report is intended to convey a point-in-time environmental evaluation of the property, as well as relevant information on past uses. The user of this document must recognize the limitations inherent in conducting a Phase I ESA, as stated in ASTM E 1527-13, which include but are not necessarily limited to:

- This document does not address regulatory compliance issues and LEE makes no assurances relative to the federal, state or local regulatory compliance of the property (ref. Section 1.4).
- Uncertainty Not Eliminated: No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost (ref. Section 4.5.1).
- All appropriate inquiry as defined by ASTM E 1527-13 is not an exhaustive assessment of a property (ref. Section 4.5.2).
- A variable level of inquiry may be conducted depending on the specific characteristics and features of the property and the information developed during the course of the assessment (ref. Section 4.5.3).
- An assessment meeting or exceeding the requirements of ASTM E 1527-13 and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid (ref. Section 4.6).



- All appropriate inquiry as defined by ASTM E 1527-13 is not exhaustive and does not require assessment of historic uses more frequently than every five years (ref. Section 8.3.2.1).

11.4. Special Contractual Conditions

None.

11.5. User Reliance

This report is for the use and benefit of client as defined herein. Affiliates of client, and third parties authorized in writing by LEE and client, may rely upon this report to the extent that client is entitled to do so, provided said parties agree to abide by the limitations and exclusions as stated herein.

12.0 ADDITIONAL SERVICES

LEE conducted Tier 1 VES per ASTM E2600-15 to determine if a VEC exists at the property due to environmental release of contaminants of concern (COC). A VEC is defined in ASTM E2600-15 as “presence or likely presence of COC vapors in the vadose zone of the target property (TP) caused by the release of vapors from contaminated soil and/or groundwater either on or near the TP as identified by Tier 1 or Tier 2 procedures.”

The Tier 1 Screening included collection and review of specific data in conjunction with the Phase I ESA, and comparison of those data to the criteria contained in ASTM E2600-15.

The default Area of Concern (AOC) specified by ASTM E2600-15 was utilized and is 1/3 of a mile (1,760 feet) minimum search distance to a contaminated property, except for petroleum COC for which a 528’ minimum search distance is allowable under ASTM E2600-15, for the following database categories:

- Federal NPL and CERCLIS, CORRACTS and non-CORRACTS TSD;
- State hazardous waste sites, equivalent NPL and CERCLIS, landfills and leaking UST sites; and,
- State voluntary cleanup and Brownfields Sites.

The default AOC for federal RCRA generators, state and federal institutional controls, and registered USTs is the property only.

During this Tier 1 Screening, LEE used information contained in the environmental database report as well as information contained in historical resources and direct observation of features within the minimum search distances. The opinion made



during this Tier 1 VES is that a VEC exists based on currently available data. The following findings form the basis of this conclusion.

- The property is a former RCRA CESQG and waste manifest location. Volatile chemicals were used during approximately 30 years of automotive repair.
- The property is not a listed hazardous site, NPL or CERCLIS site, landfill, leaking UST, state voluntary cleanup, Brownfields site, institutional control site, historic dry cleaning site, or a registered UST property.
- Petroleum contamination of groundwater and soil has been documented at Lamoille Valley Ford approximately 100' north of the property.

13.0 REFERENCES

- 1) Environmental Data Resources, Inc., Radius Map Report for the Former Greensboro Garage, Hardwick, Vermont, September 18, 2018.
- 2) Land Records viewed at the Hardwick Town Hall, September 25, 2018.
- 3) Geological Information obtained from the Vermont Agency of Natural Resources Atlas, <http://anrmaps.vermont.gov/websites/anra5/>
- 4) Historic USGS Topographic Maps of Hardwick, Vermont, viewed on line at the University of New Hampshire web site; <http://docs.unh.edu>.
- 5) United States Geological Survey (USGS) map of Hardwick, Vermont, 2018, obtained from the USGS Store.
- 6) 1875 Beers Atlas viewed on line at <http://www.nekg-vt.com/misc/maps/beers-atlas-Hardwick-1875-map.php>
- 7) Environmental Data Resources, Inc., Sanborn Insurance Map Report and Aerial Photograph Decade Package for the former Greensboro Garage, Hardwick, Vermont, September 18, 2018.
- 8) Ross Environmental Inc., Phase I Environmental Site Assessment Report for 281 Vermont Route 15, September 2017, supplied by document user.
- 9) Ross Environmental Associates, Phase II Environmental Site Assessment Report for 281 Vermont Route 15, January 2018, supplied by document user.
- 10) Vermont Department of Environmental Conservation, First Letter for the Hardwick Wastewater Treatment Plant, DEC Site #97-2221, October 28, 1997, obtained from the ANR Atlas.
- 11) Griffin International Inc., Report on the Site Investigation of Subsurface Petroleum Contamination at the Hardwick Wastewater Treatment Facility, April 1998, obtained from the ANR Atlas.
- 12) Griffin International Inc., Report on Investigation of Subsurface Contamination at Hardwick Motors, Inc., February 1997, obtained from the ANR Atlas.
- 13) KAS, Inc., October 2016 Groundwater Monitoring Report, Lamoille Valley Ford (Former Hardwick Motors), January 2017, contained in Ross Phase I ESA as Appendix D.



- 14) Vermont Department of Environmental Conservation, SMAC Letter for the Hardwick Wastewater Treatment Plant, DEC Site #97-2221, April 28, 1999, obtained from the ANR Atlas.
- 15) Vermont Department of Environmental Conservation, First Letter for the Perry's Oil Site in Hardwick, DEC Site #94-1608, September 25, 1995, obtained from the ANR Atlas.
- 16) Lincoln Applied Geology, Site Summary Report, DEC Site 94-1608, March 19, 1998, obtained from the ANR Atlas.
- 17) LEE, Telephone Interview with Andrew Meyer of 1781 Group LLC on September 19, 2018. (802) 472-8751
- 18) LEE, Telephone Interview with Jon Jewett, Town Manager of Hardwick on September 24, 2018. (802) 472-6120
- 19) LEE, Telephone Interview with David Snedeker of NVDA on September 27, 2018. (802) 535-1241
- 20) LEE, attempted interview with Town of Hardwick Fire Department, (802) 472-5482.



14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONAL

We hereby certify that this Phase I Environmental Site Assessment report, as presented, is a complete and accurate record of our findings, to the best of our knowledge.

Prepared by:

A handwritten signature in black ink, appearing to read 'AR Liptak'.

Alan Liptak, Inspector, Environmental Professional

Reviewed by:

A handwritten signature in black ink, appearing to read 'Angela Emerson'.

Angela Emerson, Environmental Professional

15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

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. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in black ink, appearing to read 'AR Liptak'.

Alan Liptak, Environmental Professional

A handwritten signature in black ink, appearing to read 'Angela Emerson'.

Angela Emerson, Environmental Professional



16.0 APPENDICIES

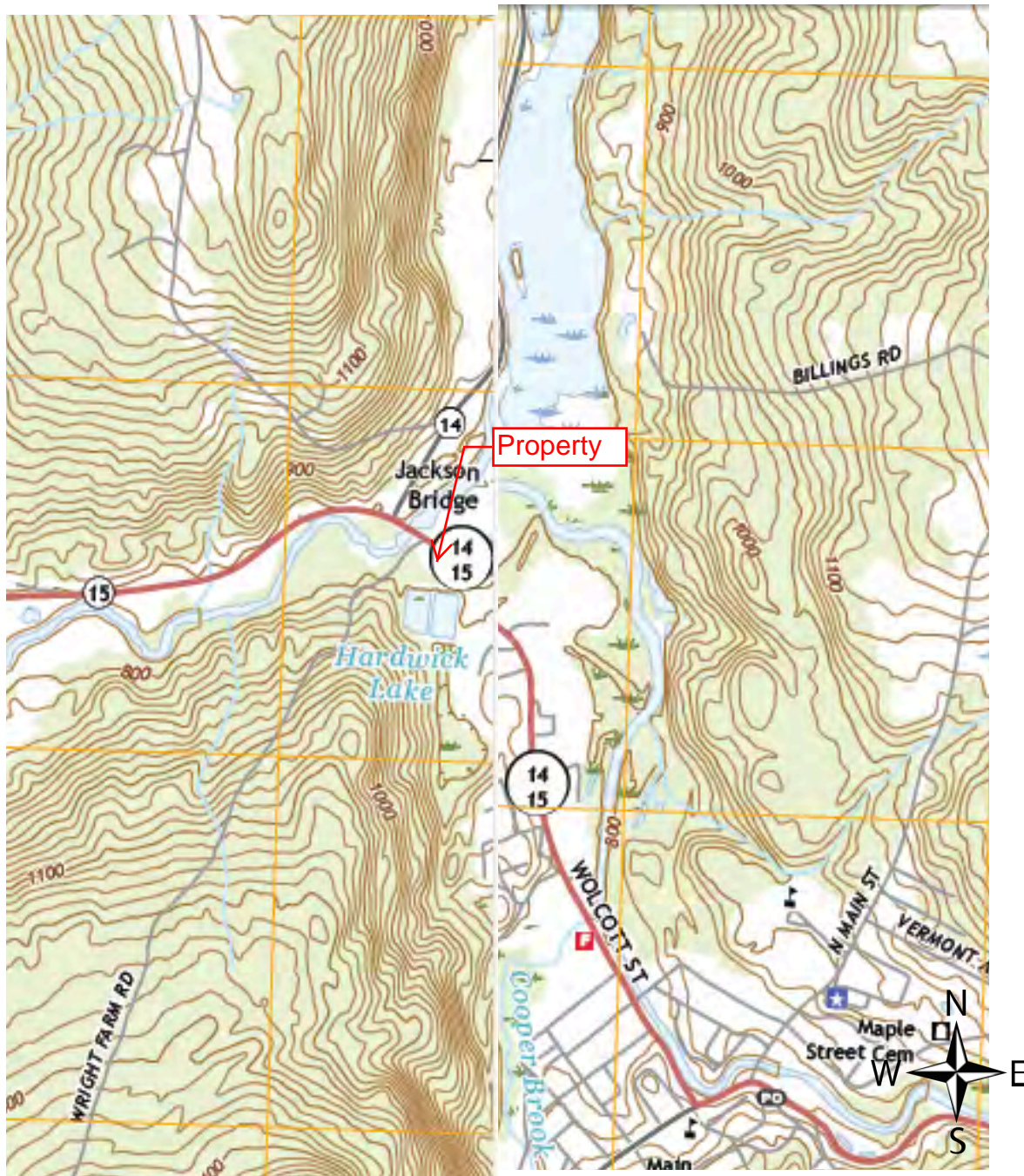
- A. Maps
- B. Photographs
- C. Site Reconnaissance Checklist
- D. Interview Documentation
- E. Qualifications of Environmental Professionals
- F. Regulatory Records Documentation
- G. Additional Environmental Record Sources



Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX A

MAPS

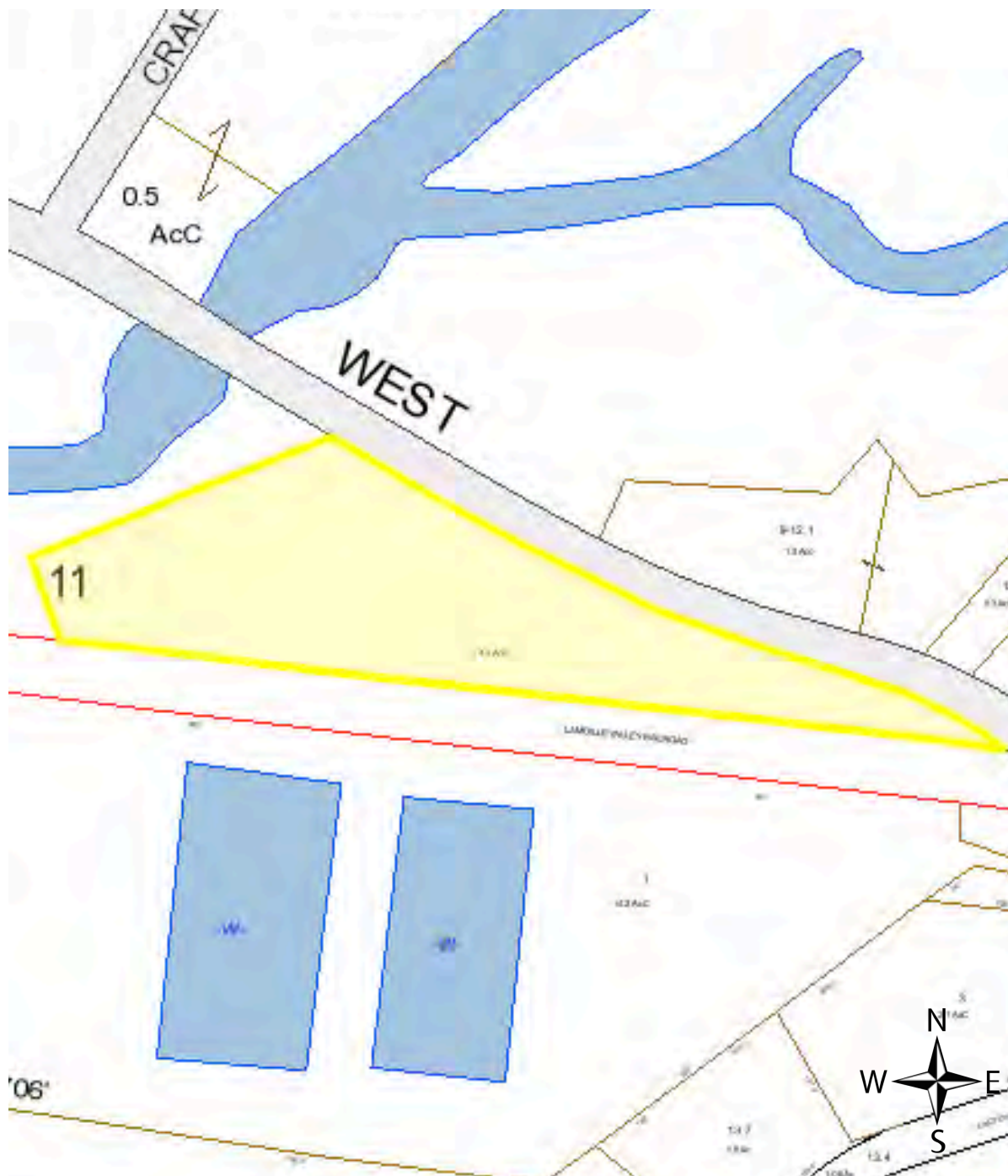


281 Vermont Route 15 West
Hardwick, Vermont



2018 USGS Map

LE #:18-117
Date: September 17, 2018
Source: USGS Store



281 Vermont Route 15 West
Hardwick, Vermont

Hardwick Town Tax Map #9

LEE
LE-Environmental

LE #:18-117


Date: September 17, 2018

Source: Town of Hardwick

Assessment Field Card

Town of Hardwick, Vermont

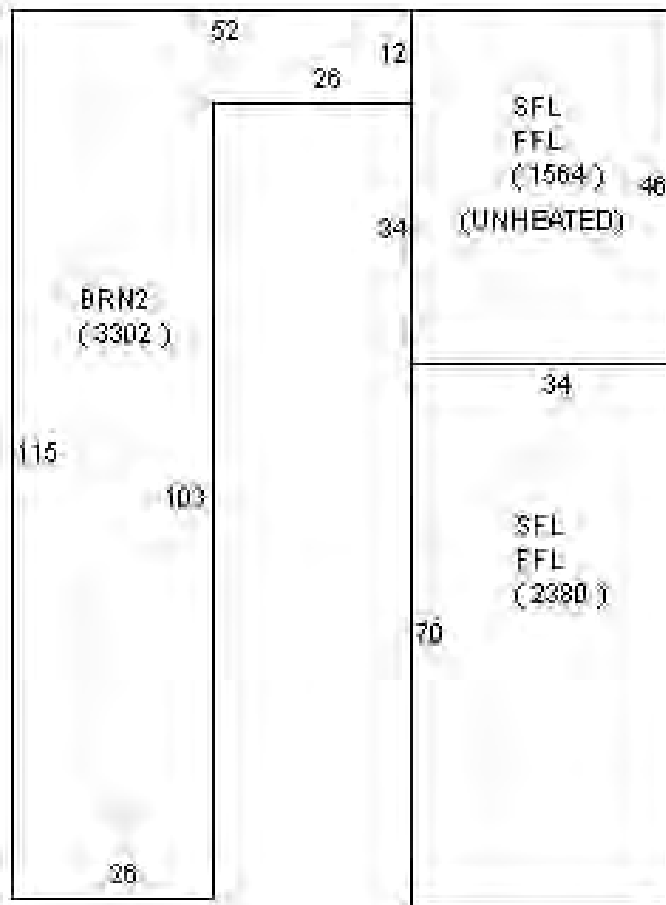


Parcel Information	
	<p>Address: 281 VT ROUTE 15 WEST Map-Lot: 09011-00000 Patriot Account #: 893 Owner: 1781 GROUP LLC Co-Owner: Mailing Address: 3707 BRIDGMAN HILL RD HARDWICK, VT 05843</p>
Building Exterior Details	General Information
<p>Building Type: REPAIR GAR Year Built: 1900 Grade: D+ Frame Type: WOOD Living Units: 1 Building Condition: Fair-Avg Roof Cover: METAL Roof Type: GAMBREL Exterior Wall Type: CLAPBOARD Pool: False</p>	<p>Total Acres: 4 Land Use Code: 41 Neighborhood Code: 11 Owner Occupied: Condo Name: Condo Unit: Zone: Utility Code 1: Utility Code 2: Utility Code 3:</p>
Building Area	Ownership History
<p>Gross Area: 11190 sqft Finished Area: 3944 sqft Basement Area: 0 sqft Garage Area: 0 sqft Detached Garage: sqft Basement Garage: 0 sqft</p>	<p>Sale Date: 11/21/2017 Sale Price: \$ 375000 Nal Description: INVOLVED GOV Grantor (Seller): 281 VT RTE 15W LLC, Book/Page: 150-78</p>
Building Interior	Assessed Value
<p>No. Total Rooms: 0 No. Bedrooms: 0 No. Full Baths: 0 No. Half Baths: 1 Bath Rating: No. Kitchens: 0 Kitchen Rating: Building Framing: WOOD Interior Wall Type: DRYWALL Fireplaces: 0 Solar Hot Water: False Central Vac: False Floor Type: CONCRETE Heat Type: UNIT HTRS Heat Fuel: OIL Percent A/C: 0</p>	<p>Assessed Yard Value: \$ 2100 Assessed Land Value: \$ 96400 Assessed Bldg Value: \$61600 Total Assessed Value: \$160100</p>



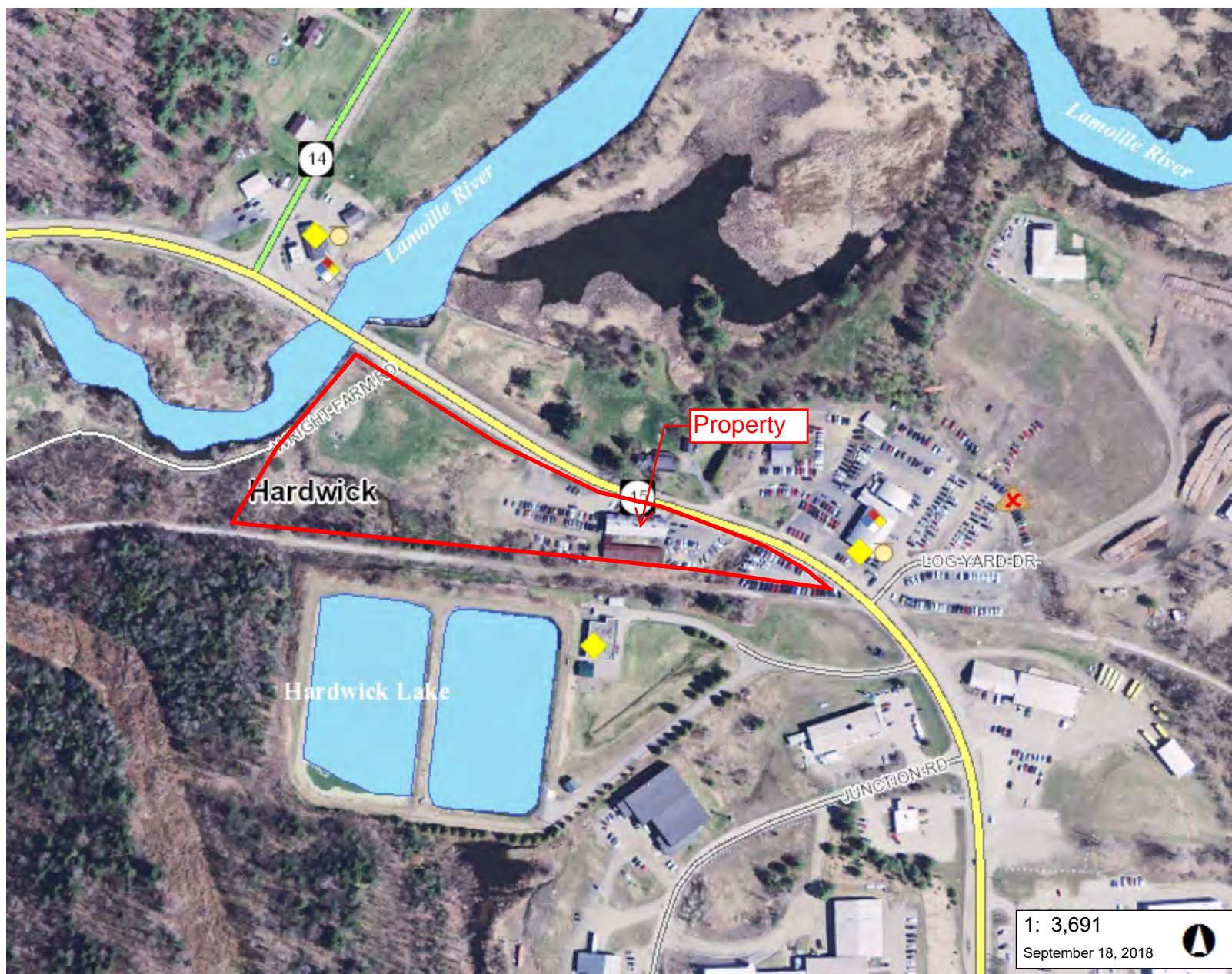
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LEGEND

Landfills








-  OPERATING
-  CLOSED

Land Use Restrictions

-  Class IV GW Reclass
-  Class VI GW Reclass
-  Deed Restriction
-  Easement
-  Land Record Notice
-  Other

-  Hazardous Site
-  Hazardous Waste Generators
-  Brownfields
-  Salvage Yard
-  Aboveground Storage Tank
-  Underground Storage Tank (w/)
-  Dry Cleaner
-  Parcels (Standardized)

Roads

-  Interstate
-  Principal Arterial
-  Minor Arterial
-  Major Collector
-  Minor Collector
-  Local
-  Not part of function Classification S

 Waterbody

NOTES

Map created using ANR's Natural Resources Atlas

187.0 0 94.00 187.0 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere

© Vermont Agency of Natural Resources

1" = 308 Ft. 1cm = 37 Meters

THIS MAP IS NOT TO BE USED FOR NAVIGATION

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

1: 3,691

September 18, 2018





281 Vermont Route 15 West
Hardwick, Vermont

1951 USGS Map



LE #:18-117
Date: September 17, 2018
Source: UNH Library




281 Vermont Route 15 West
Hardwick, Vermont

1938 USGS Map



LE #:18-117
Date: September 17, 2018
Source: UNH Library



Former Greensboro Garage
281 Vermont Route 15 West
Hardwick, VT 05843

Inquiry Number: 5427057.3

September 18, 2018

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

09/18/18

Site Name:

Former Greensboro Garage
281 Vermont Route 15 West
Hardwick, VT 05843
EDR Inquiry # 5427057.3

Client Name:

LE Environmental
21 North Main Street
Waterbury, VT 05676
Contact: Alan Liptak



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

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Certified Sanborn Results:

Certification # 6FAE-4A39-8531
PO # 18-117
Project CVRPC Hardwick



Sanborn® Library search results

Certification #: 6FAE-4A39-8531

UNMAPED PROPERTY

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

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

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

The Sanborn Library LLC Since 1866™

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Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX B

PHOTOGRAPHS

Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 001

Date: 9/25/18

Location:
Property view

Direction:
Looking west

Showing the east and north sides of the barn as seen from Vermont Route 15. The storage shed is visible to the left.



Photograph ID: 002

Date: 9/25/18

Location:
Property view

Direction:
Looking east

Comments:

Showing the west and north sides of the barn and a storage trailer on the property.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 003
Date: 9/25/18
Location:
Property view

Direction:
Looking east

Comments:

Showing the eastern tip of the property, which was being used by the adjoining Lamoille Valley Ford dealership to park new vehicles.



Photograph ID: 004
Date: 9/25/18
Location:
Property view

Direction:
Looking west

Comments:

Showing the storage shed (left) and the connector to the barn (right).



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 005

Date: 9/25/18

Location:

Property view

Direction:

Looking north

Comments:

Showing the south side of the storage shed with the barn visible in the background.



Photograph ID: 006

Date: 9/25/18

Location:

Property view

Direction:

Looking east

Comments:

Showing the western end of the property, which includes a trail access parking lot and signage.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 007

Date: 9/25/18

Location:
Property view

Direction:
Looking north

Comments:

Showing the property's frontage on the Lamoille River, with the Kwik Stop Deli visible across the river in the background.



Photograph ID: 008

Date: 9/25/18

Location:
Property and adjoining property
to the south

Direction:
Looking west

Comments:

Showing the historic railway line (center) passing by the property to the right.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 009
Date: 9/25/18
Location:
Adjoining property-northeast
Direction:
Looking northeast
Comments:

Showing the Lamoille Valley Ford Dealership across Route 15.



Photograph ID: 010
Date: 9/25/18
Location:
Adjoining property-north
Direction:
Looking north
Comments:

Showing a residence to the north across Route 15.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 011

Date: 9/25/18

Location:

Adjoining property - north

Direction:

Looking west

Comments:

Showing the undeveloped property to the north (west of the residence shown in Photo #10) to the right.



Photograph ID: 012

Date: 9/25/18

Location:

Property view

Direction:

Looking west

Comments:

Showing a propane AST on the south side of the barn.
The propane is used for a space heater in the office.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 013

Date: 8/22/17

Location:
Shed interior- middle

Direction:

Looking south

Comments:

Photo is from the 2017 Phase I
ESA and it shows stored stires, and
empty drums according to the
report notes.



Photograph ID: 014

Date: 9/25/18

Location:
Shed interior-middle

Direction:

Looking south

Comments:

Same location as Photo #13, after
the tires and drums were moved.
Some ground staining was noted



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 015

Date: 9/25/18

Location:
Shed interior-east

Direction:
Looking east

Comments:

Showing former waste storage area with apparent staining.



Photograph ID: 016

Date: 9/25/18

Location:
Barn interior - vehicle service area

Direction:
Looking northwest

Comments:

Showing the 275-gallon waste oil storage tank in the corner. The tank guage read empty during the site reconnaissance. Substantial staining was noted around the AST.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 017
Date: 8/22/17
Location:
Barn interior - vehicle service area

Direction:
Looking west.

Comments:

Photo is from the 2017 Phase I
ESA, showing crack in the concrete
floor and floor staining.



Photograph ID: 018
Date: 9/25/18
Location:
Barn interior-vehicle service area

Direction:
Looking west

Comments:

Showing the same area as photo
#17 after auto supplies were
removed. Note stained area of
concrete to the left adjacent to
a large crack in the floor. This is
the area shown in Photo #17.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 019
Date: 9/25/18
Location:
Barn interior-vehicle service area

Direction:
Looking east

Comments:

Showing the plugged floor drain
location (center)



Photograph ID: 020
Date: 9/25/18
Location:
Barn interior-vehicle service area

Direction:
Looking east

Comments:

Showing a ceiling mounted waste
oil heater (1 of 2)



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 021
Date: 8/22/17
Location:
Barn interior-vehicle service area

Direction:
Looking southwest

Comments:

Photo is from the 2017 Phase I
ESA showing the slop sink area
with waste oil and chemical
storage areas.



Photograph ID: 022
Date: 9/25/18
Location:
Barn interior-vehicle service area

Direction:
Looking southwest

Comments:

Showing approximately the same
area as Photo #21 after removal
of the auto maintenance equipment.
Stains are present on the floor
and walls. The bolts in the floor
were holding down a surface
mounted vehicle lift. The lift was
visible in the 2017 Phase I ESA,
Photo #17.



Photographic Documentation
Phase I Environmental Site Assessment
Yellow Barn Business Accelerator Project
281 Vermont Route 15 West, Hardwick, Vermont
LEE #18-117



Photograph ID: 023
Date: 8/22/17
Location:
Barn interior-2nd floor storage

Direction:
Looking east

Comments:

Showing former storage area



Photograph ID: 024
Date: 8/22/17
Location:
Barn interior-Office/reception

Direction:
Looking north

Comments:

Showing the former office space





Former Greensboro Garage

281 Vermont Route 15 West

Hardwick, VT 05843

Inquiry Number: 5427057.5

September 18, 2018

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

09/18/18

Site Name:

Former Greensboro Garage
281 Vermont Route 15 West
Hardwick, VT 05843
EDR Inquiry # 5427057.5

Client Name:

LE Environmental
21 North Main Street
Waterbury, VT 05676
Contact: Alan Liptak



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
1993	1"=500'	Acquisition Date: May 08, 1993	USGS/DOQQ
1980	1"=750'	Flight Date: May 17, 1980	USGS
1976	1"=500'	Flight Date: October 04, 1976	USGS
1960	1"=500'	Flight Date: July 01, 1960	USGS
1942	1"=500'	Flight Date: June 30, 1942	USDA
1939	1"=500'	Flight Date: May 16, 1939	USGS

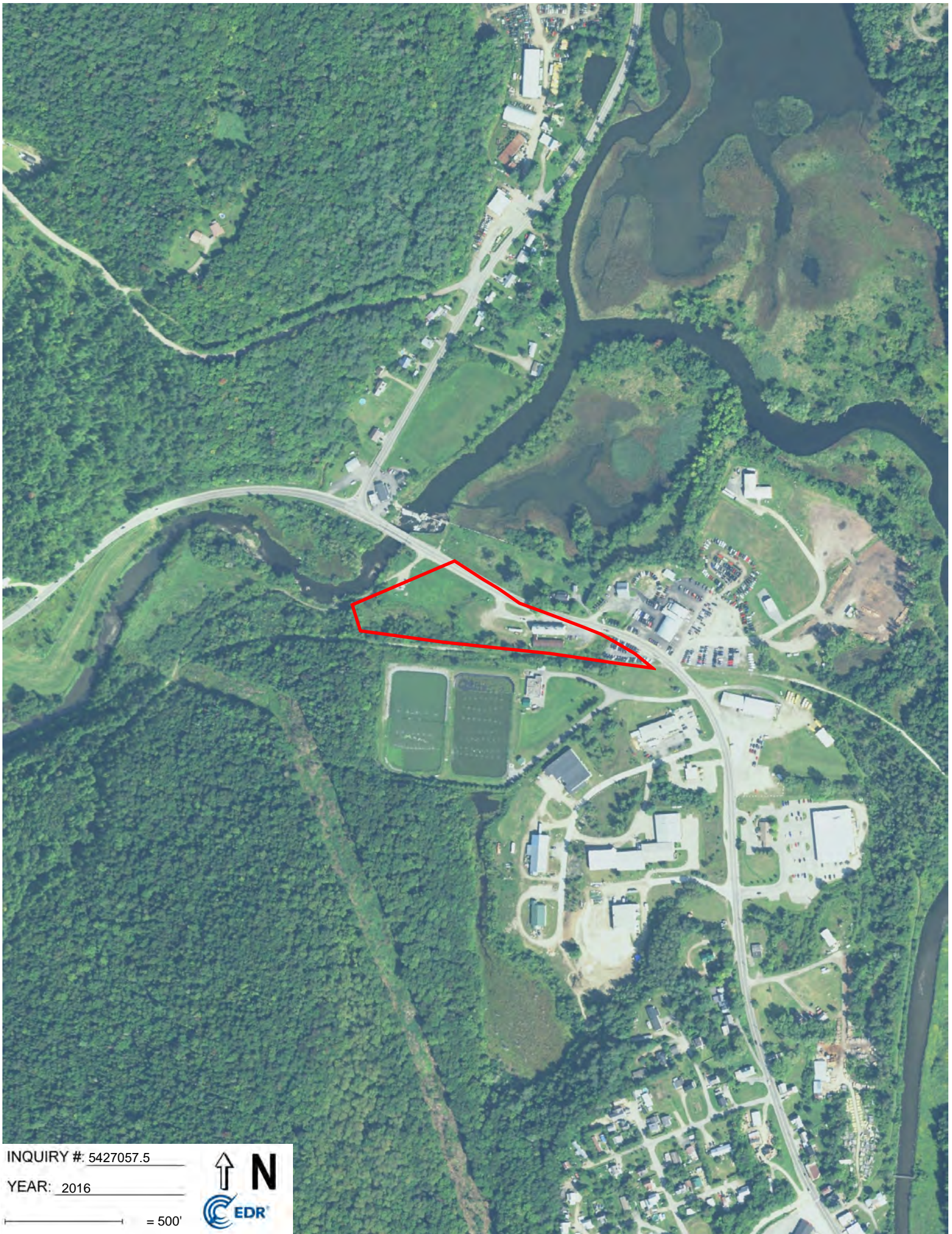
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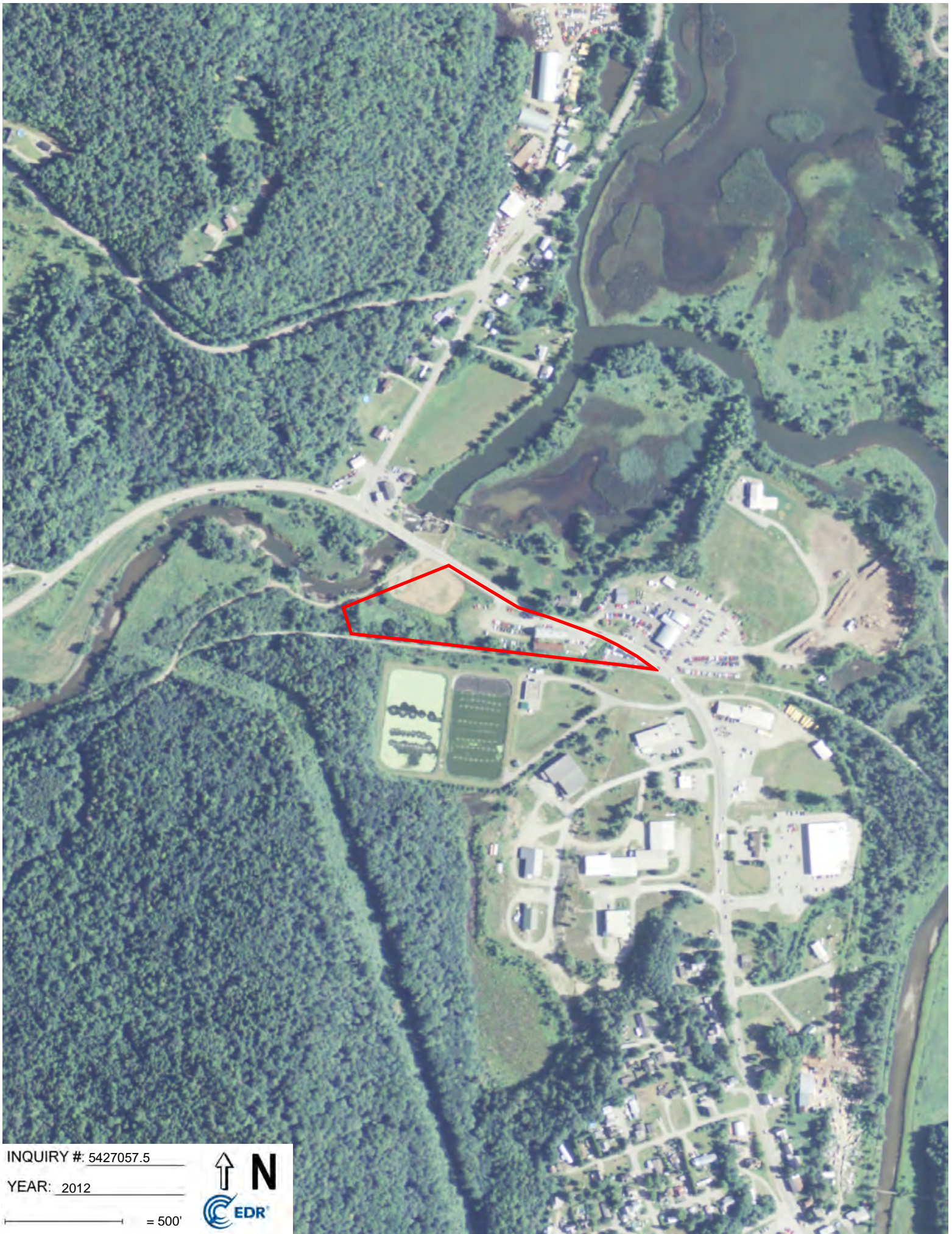


INQUIRY #: 5427057.5

YEAR: 2016

— = 500'





INQUIRY #: 5427057.5

YEAR: 2012

— = 500'



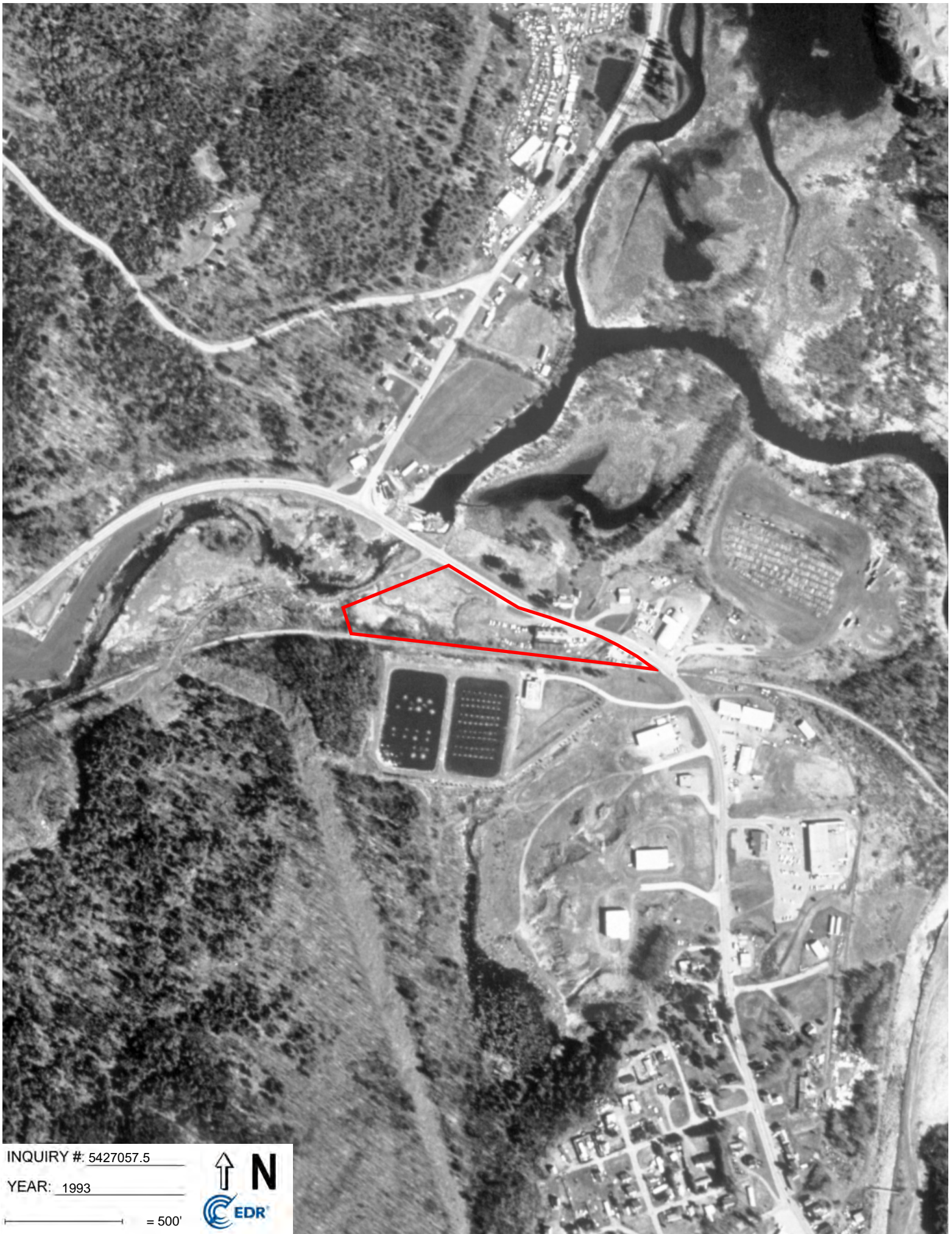


INQUIRY #: 5427057.5

YEAR: 2009

— = 500'





INQUIRY #: 5427057.5

YEAR: 1993

— = 500'





INQUIRY #: 5427057.5

YEAR: 1980

— = 750'





INQUIRY #: 5427057.5

YEAR: 1976

— = 500'





INQUIRY #: 5427057.5

YEAR: 1960

— = 500'



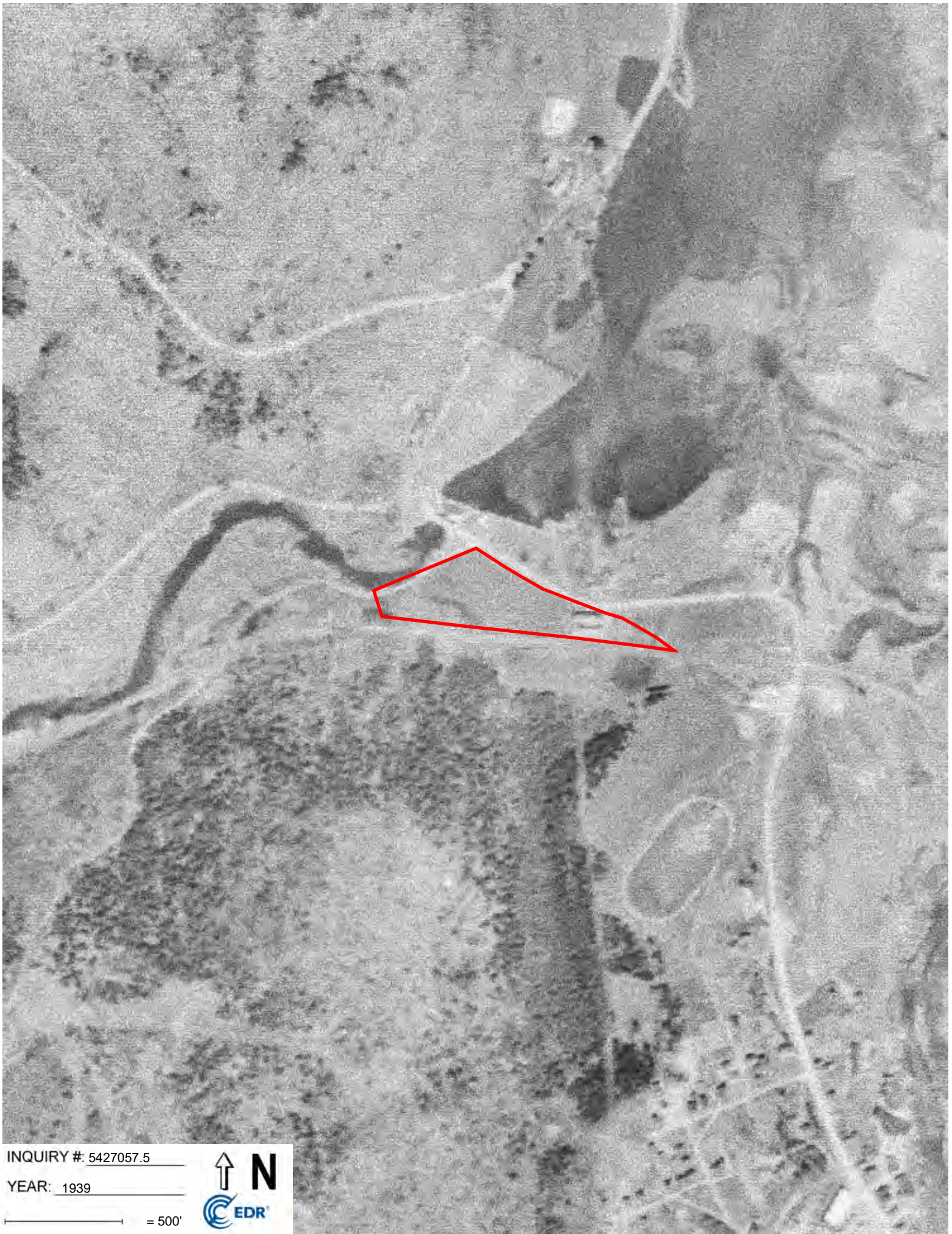


INQUIRY #: 5427057.5

YEAR: 1942

— = 500'





INQUIRY #: 5427057.5

YEAR: 1939

500'





Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX C

SITE RECONNAISSANCE CHECKLIST



Date: September 25, 2018

Site Name: Yellow Barn Business Accelerator Project (Former Greensboro Garage)

Location: 281 Vermont Route 15 West, Hardwick, Vermont

With: Jon Jewett, Hardwick Town Manager; Andrew Meyer, 1781 Group

Affiliation: Representatives for buyer and seller

Section 1. General Site Setting (ASTM E-1527-13 Section 9.4.1)

- A. Current uses of the property (Section 9.4.1.1): Describe current property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products. Generate site sketch map (or obtain existing site plans). Include an estimate of the subject property boundaries. Include detail sketches if appropriate. Describe structures and other improvements on the property.

The property is currently vacant and unused except for approximately 60 new vehicles from the adjacent car dealership, which are stored on the eastern end of the property. The western end of the property contains a snowmobile trailhead parking area and signage.

- B. Past uses of the property (Section 9.4.1.2): To the extent visually evident, describe past property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products.

The most recent property use was the Greensboro Garage, an auto repair shop that operated for approximately 30 years. Past use of the property for agriculture is evident based on the construction of the barn building, with stalls and troughs cast into the cement floor for cattle.

- C. Current and past uses of adjoining properties (Section 9.4.1.3 and 9.4.1.4.): To the extent visually identifiable from the subject property, list current uses of adjoining properties with emphasis on those likely to indicate recognized environmental conditions on the subject property. If past uses of adjoining properties with such potential are evident list these also.

Current uses of adjoining properties are as follows:

- North: (west to east) undeveloped land, a residence, and Lamoille Valley Ford Dealership.
- East: Lamoille Valley Ford dealership and a used car lot.
- South: Former railway line, Hardwick WWTP.
- West: Lamoille River and agricultural land across the river.



- D. Current or past uses in the surrounding area (Section 9.4.1.5): To the extent visually identifiable from the subject property and public thoroughfares in the vicinity, describe general area development with potential to indicate recognized environmental conditions with the subject property.

The property is on the western end of the Hardwick village area. The area is transitional between mostly commercial-industrial uses to the east and south, and more rural agricultural and residential uses to the north and west. A gasoline filling station and convenience store is present to the northeast, across the Lamoille River.

- E. Geologic, Hydrogeologic, Hydrologic and Topographic Conditions (Section 9.4.1.6): Describe the overall property setting. Describe natural bodies of water (including springs and seeps) and possible wetlands on subject property and indicate location(s) on site sketch map. Note presence of exposed bedrock on property grounds and indicate general location(s) on site sketch map.

The Lamoille River borders the property on its western end and flows generally southwesterly in this area. Hardwick Lake is located to the north and the dam for Hardwick Lake is a few hundred feet north of the property. A small stream was noted near the southwestern corner of the property, flowing westerly toward the Lamoille River. Possible wetlands were noted near the stream, between the trailhead parking area and the historic railway line. No exposed bedrock was noted.

- F. General Description of Structures (Section 9.4.1.7): Describe structures or other improvements on the property including number and size of buildings, footprints, number of stories each, approximate age of buildings, occupancy status, pavement, fences, foundations/ruins, utilities, product pipelines, and ancillary structures such as railroad spurs and power transmission lines.

The property hosts three separate buildings, described as follows:

1. The main building on the property is the yellow barn. It is an approximately 35' wide x 120' long structure with three levels and no basement. It is a wood frame and sided structure with a gambrel roof. The ground floor level has a cement floor, and it was a cow barn for many years with castings for troughs and stalls still present on the western side of the ground floor. Later, the ground floor was finished off with sheetrock walls and ceiling and it became an auto service shop for approximately 30 years. The second and third floors appear to have been a hayloft and later may have been used to store auto parts.
2. The other main structure on the property is an open storage shed. It is located to the south of the barn, and is approximately 30' deep and 120' long. It is a wood framed and sided (3 sides) structure with a dirt floor and a pitch shed roof.
3. The barn and the shed are connected to each other with an approximately 20' long wooden breezeway structure.

In addition, a 48' box trailer was present on the property. LEE could not access the interior of the trailer because it was locked. Reportedly, it contains auto parts left over



from the repair shop business. There were no leaks or evidence of spills around the box trailer.

- G. Roads (Section 9.4.1.8): List public thoroughfares, roads, streets and parking facilities adjoining / on the subject property.

Vermont Route 15 abuts the property across its northern side. A snowmobile trail and former railway track abuts the property across its southern side. There are several vehicle parking lots on the property that are associated with the former auto repair business and there is a trailhead parking lot on the western end of the property that is associated with the snowmobile trails.

- H. Potable Water Supply (Section 9.4.1.9): Identify potable water supply source(s) for the subject property as apparent from visual inspection.

The property is served by the municipal water system according to the current owner.

- I. Sewage Disposal System (Section 9.4.1.10): Identify current sewage disposal system as apparent from visual inspection.

The property has an on-site septic system, but there is no visual evidence of it.

Section 2. Interior and Exterior Observations (ASTM E-1527-13 Section 9.4.2)

- A. Current and Past Property Use (Sections 9.4.2.1 and 9.4.2.2): If building structures are identified on the subject property, visually inspect accessible common areas (lobbies, hallways), maintenance and repair areas (boiler rooms) and a representative sample of occupant spaces. Identify below which interior spaces were inspected and describe. Also note which interior spaces were not inspected.

LEE inspected the exterior grounds and the interior of the barn, shed and breezeway. The property is vacant and unused. All contents noted during the previous Phase I ESA have been removed.

- B. Hazardous Substances and Petroleum Products and Unidentified Containers (Sections 9.4.2.3, 9.4.2.8 and 9.4.2.9): List apparent hazardous substances, petroleum products, pollutants, contaminants, unidentified containers and raw materials observed interior to any buildings. Include type, container size and quantity, locations and whether stored appropriately. Note presence or absence of labeling, content according to labels, drum condition. Are adverse environmental conditions observed? Obtain/ review Material Safety Data Sheets if possible.

None noted.



- C. Storage Tanks (Section 9.4.2.4): Identify ASTs and USTs on the subject property. Note pumps, fill pipes, vents, access ways, concrete pads, saw cuts in paved areas, etc. Determine location, size and construction material to the extent visually identifiable, apparent contents, spill/ release protection, containment measures, status (active or inactive). Note upgrades such as corrosion protection, spill and overfill protection, secondary containment systems, etc. Note visual evidence of whether tank(s) have been taken out of operation, removed, closed in place, or otherwise closed.

One, 275-gallon AST was noted in the repair garage. The AST was formerly used to store waste oil for building heat. The gauge reading was empty during the site reconnaissance. Substantial oil staining was noted around the AST on the walls and floor.

- D. Odors (Section 9.4.2.5): Note strong, pungent, or noxious odors and attempt to identify source.

None noted.

- E. Pools of Liquid (Section 9.4.2.6): Note standing surface water, and pools or sumps containing liquids likely to be hazardous substances or petroleum products, to the extent visually identifiable.

None noted.

- F. Drums (Section 9.4.2.7): Identify drums potentially containing hazardous substances, petroleum products, pollutants, or contaminants. Identify storage methods including whether release protection measures are in place. Are adverse environmental conditions such as leakage, weeping or overfilling observed? If drums are identified, indicate whether they are labeled and identify drum contents according to labeling.

None noted.

- G. PCBs (Section 9.4.2.10): List suspect sources of polychlorinated biphenyls (PCBs) such as electrical or other equipment with potential to contain PCBs (transformers, circuit breakers, capacitors, hydraulic fluids, pesticide extenders, lubricants, cutting oils, vacuum pumps, heat transfer systems, plasticizer applications).

None noted. Two hydraulic lifts formerly in the service area were above grade units bolted to the floor, and were too new to be at risk to contain PCBs. No elevators or transformers were noted. Generally, the auto repair business was recent enough that lubricants and fluids used there would not be expected to contain PCBs.



Section 3. Interior Observations (ASTM E-1527-13 Section 9.4.3)

- A. Heating/Cooling (Section 9.4.3.1): Identify current fuel source(s) for heating and cooling. If possible to identify past fuel sources for heating and cooling, list these also.

The building is presently unheated and uncooled. Previously, the service bay was heated with two ceiling mounted waste oil furnaces, and a propane-fired space heater was used in the office area.

- B. Stains/Corrosion (Section 9.4.3.2): Identify stains or corrosion of floors, walls, or ceilings except for staining from water.

Staining was noted at several places on the cement floor of the former auto service bay, especially in the vicinity of the waste oil AST, along the south wall where petroleum products appeared to have been stored, and near the southwest corner of the garage near the slop sink where waste oil transfer apparently took place. Staining was noted at several places in the shed on the ground, apparently where petroleum products had been stored in the past.

- C. Drains and Sumps (Section 9.4.3.3): Identify floor drains, other drains, ditches, and sumps interior to buildings. Note the presence or absence of wastewater or other liquid discharge, and sediments, in or into these structures. Describe whether flowing or pooled, sheens, color, odor. Note processes active in their vicinity and whether drains are sealed or operational. Can discharge pipes be seen and if so, note the direction they exit the floor drain. Do drains daylight on the property?

None noted. One plugged floor drain was noted inside the garage. The outlet is on the south side of the shed.

Section 4. Exterior Observations (ASTM E-1527-13 Section 9.4.4)

- A. Pits, Ponds and Lagoons (Section 9.4.4.1): Note pits, pools, ponds, lagoons, sumps, or catch basins and indicate location on site sketch map and indicate whether they appear to have been used in connection with waste disposal or treatment.

None noted except for floor troughs in the western barn used for livestock that lived in the barn.

- B. Stained soil or pavement (Section 9.4.4.2): Note stained soil or pavement.

None noted outside of the buildings.

- C. Stressed Vegetation (section 9.4.4.3): Note areas of stressed vegetation from cause other than lack of water and indicate location on site sketch map.

None noted.



- D. Solid Waste (Section 9.4.4.4): Note landfills for solid waste or hazardous waste and whether active or abandoned. Note presence of trash and/or construction debris. Note areas that are apparently filled or graded by non-natural causes or filled with material of unknown origin, mounds, or depressions suggesting solid waste disposal.

None noted.

- E. Drains and Waste Water (Section 9.4.4.5): Describe wastewater or other liquid (including storm water) discharge into drain, ditch, or stream on or adjacent to the subject property. Note the condition of wastewater or liquid discharge (e.g., water flowing or pooled, sheens on the liquid surface, color, odor)

None noted.

- F. Wells (Section 9.4.4.6): Note active or inactive wells on the subject property (including oil or gas wells, injection wells, irrigation wells, groundwater monitoring wells, dry wells, abandoned wells, or other wells) and indicate location on site sketch map.

None noted.

- G. Septic Systems (Section 9.4.4.7): Indicate whether evidence exists of on-site septic systems and/or cesspools, to the extent visually identifiable.

No visual evidence of the on-site septic system was noted.

- H. Limitations (Section 9.2.4): Identify condition(s), which prevented thorough inspection of building interiors, and/or property grounds (snow cover, denied access, safety or structural issues).

LEE could not inspect the interior of the locked box trailer, which reportedly contains auto parts. No evidence of leakage from the trailer was noted and no staining was noted on the ground around the trailer.

- I. Additional Site Reconnaissance Observations: This section is used to describe other contract specific requests not addressed above, whether ASTM or non-ASTM criteria are used to evaluate the specific feature (Attach additional pages as needed.)

None requested or rendered.



Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX D

INTERVIEW DOCUMENTATION



Date: 9/19/18

Site Name: Yellow Barn (Former Greensboro Garage)

Location: 281 Vermont Route 15 West, Hardwick

With: Andrew Meyer

Affiliation: Member, 1781 Group LLC

Contact Info: (802) 472-8751

Section 1. General Site Setting (ASTM E-1527-13 Section 9.4.1)

- A. Current uses of the property (Section 9.4.1.1): Describe current property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products. Include an estimate of the subject property boundaries. Include detail sketches if appropriate. Describe structures and other improvements on the property.

Vacant

- B. Past uses of the property (Section 9.4.1.2): Describe past property uses with emphasis on those likely to involve use, treatment, storage, disposal and/or generation of hazardous substances and/or petroleum products.

Agricultural use since circa 1920s, then Greensboro garage late 1980's to 2017.

- C. Current and past uses of adjoining properties (Section 9.4.1.3 and 9.4.1.4.): List current uses of adjoining properties with emphasis on those likely to indicate recognized environmental conditions on the subject property. If past uses of adjoining properties with such potential are evident list these also.

WWTF, Lamoille Valley Ford, old railway line, vacant land.



- D. Current or past uses in the surrounding area (Section 9.4.1.5): Describe general area development with potential to indicate recognized environmental conditions with the subject property.

Commercial development nearby; gas station across river.

- E. Geologic, Hydrogeologic, Hydrologic and Topographic Conditions (Section 9.4.1.6): Describe the overall property setting. Describe natural bodies of water (including springs and seeps) and possible wetlands on subject property and indicate location(s) on site sketch map. Note presence of exposed bedrock on property grounds and indicate general location(s) on site sketch map.

No water or rock on the property. Possible floodplain.

- F. General Description of Structures (Section 9.4.1.7): Describe structures or other improvements on the property including number and size of buildings, footprints, number of stories each, approximate age of buildings, occupancy status, pavement, fences, foundations/ruins, utilities, product pipelines, and ancillary structures such as railroad spurs and power transmission lines.

Main barn 4,000 sf and connector/breezeway to pole barn.

- G. Roads (Section 9.4.1.8): List public thoroughfares, roads, streets and parking facilities adjoining / on the subject property.

Route 15 to the north. Gravel parking lot on the property.

- H. Potable Water Supply (Section 9.4.1.9): Identify potable water supply source(s) for the subject property.

Town water



- I. Sewage Disposal System (Section 9.4.1.10): Identify current sewage disposal system.

Septic system.

Section 2. Interior and Exterior Observations (ASTM E-1527-13 Section 9.4.2)

- A. Current and Past Property Use (Sections 9.4.2.1 and 9.4.2.2): Describe.

No current uses.

- B. Hazardous Substances and Petroleum Products and Unidentified Containers (Sections 9.4.2.3, 9.4.2.8 and 9.4.2.9): List apparent hazardous substances, petroleum products, pollutants, contaminants, unidentified containers and raw materials observed interior to any buildings. Include type, container size and quantity, locations and whether stored appropriately. Note presence or absence of labeling, content according to labels, drum condition.

No

- C. Storage Tanks (Section 9.4.2.4): Identify ASTs and USTs on the subject property. Note pumps, fill pipes, vents, access ways, concrete pads, saw cuts in paved areas, etc. Determine location, size and construction material to the extent visually identifiable, apparent contents, spill/ release protection, containment measures, status (active or inactive). Note upgrades such as corrosion protection, spill and overfill protection, secondary containment systems, etc. Note visual evidence of whether tank(s) have been taken out of operation, removed, closed in place, or otherwise closed.

No except 275-gallon fuel oil tank inside.

- D. Odors (Section 9.4.2.5): Note strong, pungent, or noxious odors and attempt to identify source.

No

- E. Pools of Liquid (Section 9.4.2.6): Note standing surface water, and pools or sumps containing liquids likely to be hazardous substances or petroleum products, to the extent visually identifiable.

No



- F. Drums (Section 9.4.2.7): Identify drums potentially containing hazardous substances, petroleum products, pollutants, or contaminants. Identify storage methods including whether release protection measures are in place. If drums are identified, indicate whether they are labeled and identify drum contents according to labeling.

No .

- G. PCBs (Section 9.4.2.10): List suspect sources of polychlorinated biphenyls (PCBs) such as electrical or other equipment with potential to contain PCBs (transformers, circuit breakers, capacitors, hydraulic fluids, pesticide extenders, lubricants, cutting oils, vacuum pumps, heat transfer systems, plasticizer applications).

No .

Section 3. Interior Observations (ASTM E-1527-13 Section 9.4.3)

- A. Heating/Cooling (Section 9.4.3.1): Identify current fuel source(s) for heating and cooling. If possible to identify past fuel sources for heating and cooling, list these also.

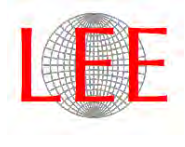
No 2 fuel and hot air furnace. Not presently heated.

- B. Stains/Corrosion (Section 9.4.3.2): Identify stains or corrosion of floors, walls, or ceilings except for staining from water.

Nothing unusual for a 100 year old building.

- C. Drains and Sumps (Section 9.4.3.3): Identify floor drains, other drains, ditches, and sumps interior to buildings. Note the presence or absence of wastewater or other liquid discharge, and sediments, in or into these structures. Describe whether flowing or pooled, sheens, color, odor. Note processes active in their vicinity and whether drains are sealed or operational. Can discharge pipes be seen and if so, note the direction they exit the floor drain. Do drains daylight on the property?

No .



Section 4. Exterior Observations (ASTM E-1527-13 Section 9.4.4)

- A. Pits, Ponds and Lagoons (Section 9.4.4.1): Note pits, pools, ponds, lagoons, sumps, or catch basins and indicate location on site sketch map and indicate whether they appear to have been used in connection with waste disposal or treatment.

No .

- B. Stained soil or pavement (Section 9.4.4.2): Note stained soil or pavement.

No pavement. All gravel.

- C. Stressed Vegetation (section 9.4.4.3): Note areas of stressed vegetation from cause other than lack of water and indicate location on site sketch map.

No .

- D. Solid Waste (Section 9.4.4.4): Note landfills for solid waste or hazardous waste and whether active or abandoned. Note presence of trash and/or construction debris. Note areas that are apparently filled or graded by non-natural causes or filled with material of unknown origin, mounds, or depressions suggesting solid waste disposal.

No. Former owner removed stuff prior to sale.

- E. Drains and Waste Water (Section 9.4.4.5): Describe wastewater or other liquid (including storm water) discharge into drain, ditch, or stream on or adjacent to the subject property. Note the condition of wastewater or liquid discharge (e.g., water flowing or pooled, sheens on the liquid surface, color, odor)

No .

- F. Wells (Section 9.4.4.6): Note active or inactive wells on the subject property (including oil or gas wells, injection wells, irrigation wells, groundwater monitoring wells, dry wells, abandoned wells, or other wells) and indicate location on site sketch map.

No .



G. Septic Systems (Section 9.4.4.7): Indicate whether evidence exists of on-site septic systems and/or cesspools.

Yes .

H. Helpful Documents (Section 10.8): Indicate whether any of the following documents are known to exist and if so, can copies of the documents be obtained within reasonable time and cost constraints?

- a. Environmental site assessment reports
- b. Environmental compliance audit reports
- c. Environmental permits
- d. Registrations for underground and above ground storage tanks
- e. Registrations for underground injection systems
- f. Material safety data sheets
- g. Community right to know plan
- h. Safety plans, SPCC plans
- i. Hydrogeological reports
- j. Governmental notices related to environmental violations or environmental liens
- k. Hazardous waste generator notices or reports
- l. Geotechnical studies
- m. Risk assessments
- n. Recorded activity and use limitations

Existing Phase I and II reports.

H. Proceedings involving the Property (Section 10.9): Indicate any knowledge of pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on, or from the Property; any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, or from the property; and any notices from any governmental entity regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products.

No .



Date: September 24, 2018

Site Name: Yellow Barn Business Accelerator Project

Location: 281 Vermont Route 15 West, Hardwick, VT

User: Town of Hardwick

Affiliation: Jon Jewett, Town Manager

Contact Info: (802) 472-6120; Jon.jewett@hardwickvt.org

In order to qualify for one of the Landowner Liability Protections (LLPs)¹⁸⁷ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”),¹⁸⁸ the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that “all appropriate inquiries” is not complete.

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?¹

No .

(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).

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

No .

¹ NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.



(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Only what was contained in the 2017 Phase I Environmental Site Assessment Report.

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Purchase price at fair market value, no reduction for contamination.

(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

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

Dairy barn and auto repair facility.

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

Only what is listed in the 2017 Phase I Environmental Site Assessment report.

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

None other than small stained areas reported inside the garage in the 2017 Phase I ESA report.



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

No .

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

Stained areas in the garage as mentioned in the Phase I ESA.

(d) the scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),

Standard Phase I ESA.

(e) identification of all parties who will rely on the Phase I report,

Town of Hardwick.

(f) identification of the site contact and how the contact can be reached,

1781 Group LLC, Andrew Meyer, Member (802) 472-8751

(g) any special terms and conditions which must be agreed upon by the environmental professional, and

None .

(h) any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition).

None other than the existing Phase I and Phase II ESA reports. Historic Preservation documents are in process.



X3.1 In addition, certain information should be collected, if available, and provided to the environmental professional conducting the Phase I Environmental Site Assessment. This information is intended to assist the environmental professional, but is not necessarily required to qualify for one of the LLPs. The information includes:

(a) the reason why the Phase I is being performed

Requirement of NEPA with Vermont Community Development Program for
Community Development Block Grant.

*(b) the type of property and type of property transaction, for example, sale, purchase,
exchange, etc.*

Purchase from 1781 Group LLC.

*(c) the complete and correct address for the property (a map or other documentation showing
property location and boundaries is helpful)*

281 Vermont Route 15 West, Hardwick, VT



Date: September 27, 2018

Site Name: Yellow Barn Business Accelerator Project

Location: 281 Vermont Route 15 West, Hardwick

User: Center for an Agricultural Economy and NVDA Partnership

Representative: David Snedeker, NVDA

Contact Info: (802) 535-1241

In order to qualify for one of the Landowner Liability Protections (LLPs)¹⁸⁷ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"),¹⁸⁸ the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

(1.) Environmental liens that are filed or recorded against the property (40 CFR 312.25).

Did a search of recorded land title records (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?¹

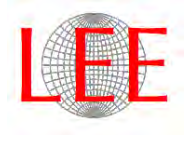
No .

(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)).

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

No .

¹ NOTE 1—In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.



(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No .

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes .

(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

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

Vacant; previously was the Greensboro Garage and agricultural uses.

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

Petroleum & oils in auto repair business.

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

None other than what was presented in Phase I.



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

Container removal.

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

No .

X3.1 In addition, certain information should be collected, if available, and provided to the environmental professional conducting the Phase I Environmental Site Assessment. This information is intended to assist the environmental professional, but is not necessarily required to qualify for one of the LLPs. The information includes:

(a) the reason why the Phase I is being performed

Update on earlier Phase I ESA for funding application.

(b) the type of property and type of property transaction, for example, sale, purchase, exchange, etc.

Sale from 1761 Corporation to Town of Hardwick.

(c) the complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful)

281 Vermont Route 15 West, Hardwick VT

(d) the scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E1527 are to be considered),

Standard Phase I ESA.



(e) identification of all parties who will rely on the Phase I report,

Town of Hardwick and The Center for an Agricultural Economy, and NVDA Partnership.

(f) identification of the site contact and how the contact can be reached,

Andrew Meyer, (802) 472-8751

(g) any special terms and conditions which must be agreed upon by the environmental professional, and

No .

(h) any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition).

No .



- Site Description/Address: 281 VT Route 15 - Hardwick, VT
- Date of Interview: August 29, 2017
- Person(s) Interviewed: TIM Nisbet
- Title/Relationship to Property: Owner
- Number of Years at Property: 29
- Current Owner(s): 281 VT Route 15, LLC / Bio Yellow Barn, Inc.
- Current Occupant(s): Former Greensboro garage
- Report User(s): 1781 Group, LLC (Andrew Meyer)

- Current Use(s) of the Property: vacant / parts storage (recently auto garage)
- Former Use(s) of the Property: Auto garage, Auto body, Equip repair, Dairy Farm
- Evidence or Knowledge of the Property Ever Being Used As:

YES	NO	USE	COMMENTS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	INDUSTRIAL	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	GASOLINE STATION	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	MOTOR REPAIR FACILITY	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	COMMERCIAL PRINTING FACILITY	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DRY CLEANERS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PHOTO DEVELOPING LAB	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	JUNKYARD / LANDFILL	Some junk cars temporary, stored no auto salvage
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WASTE TSD FACILITY	

- Current Use(s) of the Adjoining Properties:

*Mix commercial / Residential
Public R.O.W. / Railroad tracks*

- Former Use(s) of the Adjoining Properties:

SAME

- Evidence or Knowledge of the Adjoining Properties Ever Being Used As:

YES	NO	USE	COMMENTS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	INDUSTRIAL	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	GASOLINE STATION	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	MOTOR REPAIR FACILITY	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	COMMERCIAL PRINTING FACILITY	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DRY CLEANERS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PHOTO DEVELOPING LAB	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WASTE TSD FACILITY	

-Evidence of Knowledge of Current or Former Storage Tanks on the Property:

YES	NO	USE	SUBSTANCE / SIZE / AGE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PETROLEUM ASTs	<i>275 - gallon AST inside w/ waste oil furnace</i>
<input type="checkbox"/>	<input type="checkbox"/>	PETROLEUM USTs	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PROPANE GAS ASTs	<i>1 - propane AST</i>
<input type="checkbox"/>	<input type="checkbox"/>	PROPANE GAS USTs	
<input type="checkbox"/>	<input type="checkbox"/>	OTHER ASTs	

-Evidence of Knowledge of Current or Former Hazards on the Property:

YES	NO	HAZARD	COMMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HAZARDOUS SUBSTANCES / PETROLEUM PRODUCTS	brake fluid, antifreeze, transmission fluid gas in 5-gal. cans.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DAMAGED/DISCARDED BATTERIES, PAINTS, PESTICIDES, CHEMICALS	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DRUMS OR SACKS OF CHEMICALS	mostly empty drums some old drums in shed area.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FILL DIRT FROM CONTAMINATED SITE OR UNKNOWN ORIGIN	- state straightend road - Union Bank development yes fill no known contamination
<input type="checkbox"/>	<input checked="" type="checkbox"/>	WASTE TREATMENT: PITS, PONDS, LAGOONS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	STAINED SOIL	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	VENT PIPES / FILL PIPES FROM THE GROUND	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NON-WATER LEAKS & STAINS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CONTAMINANTS IN WATER SUPPLY	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	DUMPING OR BURN PILES	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PROCESS WASTEWATER (non-sanitary)	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HYDRAULIC OR ELECTRICAL EQUIPMENT	Above ground hydraulic lift

-Evidence of Knowledge of Current or Former Administrative / Legal Proceedings:

YES	NO	PROCEEDING	COMMENTS
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ENVIRONMENTAL LIENS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ENVIRONMENTAL VIOLATIONS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ENVIRONMENTAL LAWSUITS OR LEGAL PROCEEDINGS	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FORMER ENVIRONMENTAL SITE ASSESSMENTS	

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated:

R.E.A. Interviewer/Preparer: Jim Rose

Signed / Dated:



8/29/11

Other Preparer:

Signed / Dated:



Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX E

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Alan Liptak

LE Environmental LLC
21 North Main Street, Waterbury, Vermont 05676
c (802) 917-4228, p (802) 917-2001
alan@leenv.net



Expertise

Commercial property environmental due diligence; Brownfields investigation and cleanup; Phase I and II Environmental Site Assessments; Transaction screen; Vapor encroachment and intrusion; Indoor air quality; Environmental cleanup and redevelopment; PCB, dioxin, urban soils, metals contamination; Grant applications; Solid waste facility assessment; Expert witness.

Recent Environmental Assessment and Cleanup Experience

Brownfields and other redevelopment properties; Manufacturing facilities; Multi-unit housing; Electrical utility service centers; Dry cleaning facilities; Flood/disaster relief properties; Automotive / other vehicle dealerships and service garages; Agricultural properties; Abandoned/vacant properties; Solid waste transfer and disposal facilities; Petroleum storage / retail facilities.

Professional Experience

Senior Geologist/Co-Owner, LE Environmental LLC, Waterbury, Vermont July 2014-present

Principal Geologist/Partner, KAS Inc. 2004-June 2014

Environmental Programs Manager/Senior Geologist, Griffin International Inc. 1999-2004

Senior Scientist, The Johnson Company 1990-1999

Professional Licenses, Certifications and Qualifications

Licensed Professional Geologist, State of New Hampshire No. 00142

Licensed Professional Geologist, State of New York No. 00517

Certified Professional Geologist, American Institute of Professional Geologists No. 10166

ASTM Training: Phase I Environmental Site Assessment Practices For Commercial Real Estate:
Transaction Screen & Phase I Site Assessment ASTM E1527-13 June 2014

EPA Environmental Professional.

OSHA 40 Hour Hazardous Sites Certified

Academic Background

MBA, Norwich University, Cum Laude

Master of Science, Geology, Chemistry Minor, University of Montana

Bachelor of Arts, Geology, State University of New York

Angela Emerson

LE Environmental LLC
21 North Main Street, Waterbury, Vermont 05676
c (802) 922-0043, p (802) 917-2001
angela@leenv.net



Expertise

Environmental project management; Brownfields investigation and cleanup; Commercial property environmental due diligence; Phase I and II Environmental Site Assessments; Vapor encroachment and intrusion investigations; Indoor air quality studies; Environmental cleanup and redevelopment; Grant applications; Solid waste facility assessment; Solid Waste Implementation Plans; General environmental consulting; PCB investigations and Self-Implementing Cleanup Plans.

Recent Environmental Assessment and Cleanup Experience

Brownfields assessments and redevelopment of contaminated properties; Manufacturing facilities; Multi-unit housing; Dry cleaning facilities; Flood/disaster relief properties; Automotive dealerships and service garages; Agricultural properties; Abandoned/vacant properties; Solid waste transfer and disposal facilities; Petroleum storage and retail facilities.

Professional Experience

Senior Geologist/Co-Owner, LE Environmental LLC, Waterbury, Vermont July 2014 - present

Senior Geologist, KAS Inc., Williston, Vermont 2005 – June 2014

Staff Geologist / Second Avenue Subway Project - Manhattan, Yu & Associates, Elmwood Park, New Jersey, 2002 - 2003

Internship, Vermont Geological Survey, Waterbury, Vermont, 2001

Professional Licenses, Certifications and Qualifications

Licensed Professional Geologist, State of New York No. 000969

ASTM Training: Phase I Environmental Site Assessment Practices For Commercial Real Estate: Transaction Screen & Phase I Site Assessment ASTM E1527-13 & Phase II Site Assessment ASTM E1903-11

EPA Environmental Professional

OSHA 40 Hour Hazardous Sites Certified

Academic Background

Bachelor of Science, Geology, University of Vermont



Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX F

REGULATORY RECORDS DOCUMENTATION

Former Greensboro Garage

281 Vermont Route 15 West
Hardwick, VT 05843

Inquiry Number: 5427057.2s
September 18, 2018

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

281 VERMONT ROUTE 15 WEST
HARDWICK, VT 05843

COORDINATES

Latitude (North):	44.5158920 - 44° 30' 57.21"
Longitude (West):	72.3773900 - 72° 22' 38.60"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	708442.4
UTM Y (Meters):	4932303.5
Elevation:	789 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5649159 WOLCOTT, VT
Version Date:	2012
Northeast Map:	5649139 CASPIAN LAKE, VT
Version Date:	2012
Southeast Map:	5645483 CABOT, VT
Version Date:	2012
Southwest Map:	5641048 WOODBURY, VT
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140811, 20140904
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
281 VERMONT ROUTE 15 WEST
HARDWICK, VT 05843

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	THE BIG YELLOW BARN	281 VT RTE 15 W	RCRA-CESQG		TP
A2	THE BIG YELLOW BARN	281 VT RTE 15 W	MANIFEST		TP
A3	THE BIG YELLOW BARN	281 VT RTE 15 W	FINDS, ECHO		TP
B4	LAMOILLE VALLEY FORD	222 RTE 15 WEST	MANIFEST	Higher	74, 0.014, ESE
B5	LAMOILLE VALLEY FORD	222 RTE 15 WEST	RCRA-CESQG, LUST, FINDS, ECHO	Higher	74, 0.014, ESE
B6	HARDWICK WASTEWATER	107 TREATMENT PLANT	UST	Higher	142, 0.027, ESE
C7	HARDWICK KWIK STOP &	454 VT RTE 15 WEST	MANIFEST	Lower	228, 0.043, NW
C8	PERRYS OIL SERVICE I	454 VERMONT ROUTE 15	EDR Hist Auto	Lower	228, 0.043, NW
C9	HARDWICK KWIK STOP &	454 VT RTE 15 WEST	RCRA-CESQG	Lower	228, 0.043, NW
D10	RITE AID # 10336	82 ROUTE 15 WEST	MANIFEST	Higher	711, 0.135, SE
D11	DBA RITE AID #10336	82 ROUTE 15 WEST	RCRA-CESQG	Higher	711, 0.135, SE
D12	GATES SALVAGE	ROUTE 14	SHWS, SPILLS	Higher	764, 0.145, SE
13	FORMER VERMONT MILK	85 INDUSTRIAL PARK R	UST	Higher	916, 0.173, SSE
14	KWIK STOP AND DELI	WOLCOTT STREET ROUTE	UST	Higher	1049, 0.199, SE
15	KINGDOM METAL FINISH	190 JUNCTION RD	RCRA NonGen / NLR	Higher	1134, 0.215, SSE
16	SWEET AND BURT BULK	CREAMERY ST	SHWS	Higher	4658, 0.882, SE
17	GREEN MOUNTAIN SANIT	ROUTE 14	SHWS	Higher	4770, 0.903, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
THE BIG YELLOW BARN 281 VT RTE 15 W HARDWICK, VT 05843	RCRA-CESQG EPA ID:: VT5000001230	VT5000001230
THE BIG YELLOW BARN 281 VT RTE 15 W HARDWICK, VT 5843	MANIFEST EPA Id: VT5000001230 Facility Id: KYD053348108 edr_manid: 005555208SKS Trans1: TXR000081205 Trans1: MAD039322250	N/A
THE BIG YELLOW BARN 281 VT RTE 15 W HARDWICK, VT 05843	FINDS Registry ID:: 110008204095 ECHO Registry ID: 110008204095	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

EXECUTIVE SUMMARY

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

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

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

Federal ERNS list

ERNS..... Emergency Response Notification System

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

SWF/LF..... Landfills and Transfer Stations

State and tribal leaking storage tank lists

LAST..... Sites Database

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... Above Ground Storage Tanks

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing

INST CONTROL..... Institutional Control Sites Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Sites Database
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database

EXECUTIVE SUMMARY

HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted AIRS Facility Listing
ASBESTOS.....	ASBESTOS
DRYCLEANERS.....	Drycleaner Facilities List
Financial Assurance.....	Financial Assurance Information Listing
NPDES.....	Inventory of NPDES Permits
TIER 2.....	Tier 2 Data Listing
VAPOR.....	Vapor Intrusion
UIC.....	Underground Injection Wells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAMOILLE VALLEY FORD EPA ID:: VTR000002907	222 RTE 15 WEST	ESE 0 - 1/8 (0.014 mi.)	B5	17
DBA RITE AID #10336 EPA ID:: VTR000522417	82 ROUTE 15 WEST	SE 1/8 - 1/4 (0.135 mi.)	D11	33
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HARDWICK KWIK STOP & EPA ID:: VTR000514521	454 VT RTE 15 WEST	NW 0 - 1/8 (0.043 mi.)	C9	23

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites 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. The data come from the Department of Environmental Conservation's Vermont Hazardous Waste Sites List.

A review of the SHWS list, as provided by EDR, and dated 07/02/2018 has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GATES SALVAGE Facility ID: 20033117 Contamination: Gasoline, Other Metals, Other Petroleum Project Status:: PCS and lead contaminated soils. CAP to remove soils and stockpile and treat on site implemented. PCS bioreced and lead soils phyto remediated and spread on site.	ROUTE 14	SE 1/8 - 1/4 (0.145 mi.)	D12	45
SWEET AND BURT BULK Facility ID: 972129 Project Status:: GWES met on site, Site Closed	CREAMERY ST	SE 1/2 - 1 (0.882 mi.)	16	54
GREEN MOUNTAIN SANIT Facility ID: 951792 Contamination: Non-Petroleum Project Status:: Enviro Assess Complete, negotiation W/Enf Div Ongoing. No activity as of April 2006. Site is actively undergoing cleanup with enforcement division and solid waste section. Projected completion spring/summer 2009. Once that is complete, site will be eligible for closure. Waiting on solid waste division.	ROUTE 14	W 1/2 - 1 (0.903 mi.)	17	54

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Conservation's Vermont Hazardous Waste Sites List.

A review of the LUST list, as provided by EDR, and dated 07/02/2018 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAMOILLE VALLEY FORD Contamination: Gasoline Project Status: Annual monitoring of on site wells needed to track variations in groundwater quality. New MWs in installed in 2011 to further characterize GW contamination. Site in MNA. Facility Id: 962091	222 RTE 15 WEST	ESE 0 - 1/8 (0.014 mi.)	B5	17

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 05/07/2018 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HARDWICK WASTEWATER Facility Id: 3088 Facility Status: ACTIVE Facility ID: 3088 Facility Status: ACTIVE	107 TREATMENT PLANT	ESE 0 - 1/8 (0.027 mi.)	B6	21
FORMER VERMONT MILK Facility Id: 5553334 Facility Status: PULLED Facility ID: 5553334 Facility Status: PULLED	85 INDUSTRIAL PARK R	SSE 1/8 - 1/4 (0.173 mi.)	13	46
KWIK STOP AND DELI Facility Id: 4728281 Facility Status: PULLED Facility ID: 4728281 Facility Status: PULLED	WOLCOTT STREET ROUTE	SE 1/8 - 1/4 (0.199 mi.)	14	47

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

EXECUTIVE SUMMARY

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KINGDOM METAL FINISH EPA ID:: VTR000518217	190 JUNCTION RD	SSE 1/8 - 1/4 (0.215 mi.)	15	51

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 05/16/2018 has revealed that there are 3 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAMOILLE VALLEY FORD EPA Id: VTR000002907 Facility Id: NYR000115733 Facility Id: KYD053348108 edr_manid: 000050110FLE edr_manid: 000226995SKS edr_manid: 004840785SKS edr_manid: 005261833SKS Trans1: VTR000500090 Trans1: OKD981588791 Trans1: TXR000081205 Trans1: NJD071629976 Trans1: TXR000050930 <i>*Additional key fields are available in the Map Findings section</i>	222 RTE 15 WEST	ESE 0 - 1/8 (0.014 mi.)	B4	13
RITE AID # 10336 EPA Id: VTR000522417 Facility Id: MID980991566 Facility Id: NCD000648451 edr_manid: 013572430JJK edr_manid: 013573725JJK edr_manid: 013574566JJK edr_manid: 011929907FLE edr_manid: 010315469FLE <i>*Additional key fields are available in the Map Findings section</i> Trans1: MAD084814136 Trans1: MAD039322250 Trans1: ALD067138891	82 ROUTE 15 WEST	SE 1/8 - 1/4 (0.135 mi.)	D10	25

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HARDWICK KWIK STOP & EPA Id: VTR000514521 Facility Id: VTR000517052 edr_manid: 001034419GBF	454 VT RTE 15 WEST	NW 0 - 1/8 (0.043 mi.)	C7	22

EXECUTIVE SUMMARY

Trans1: MAD980670004

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PERRYS OIL SERVICE I	454 VERMONT ROUTE 15	NW 0 - 1/8 (0.043 mi.)	C8	23

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

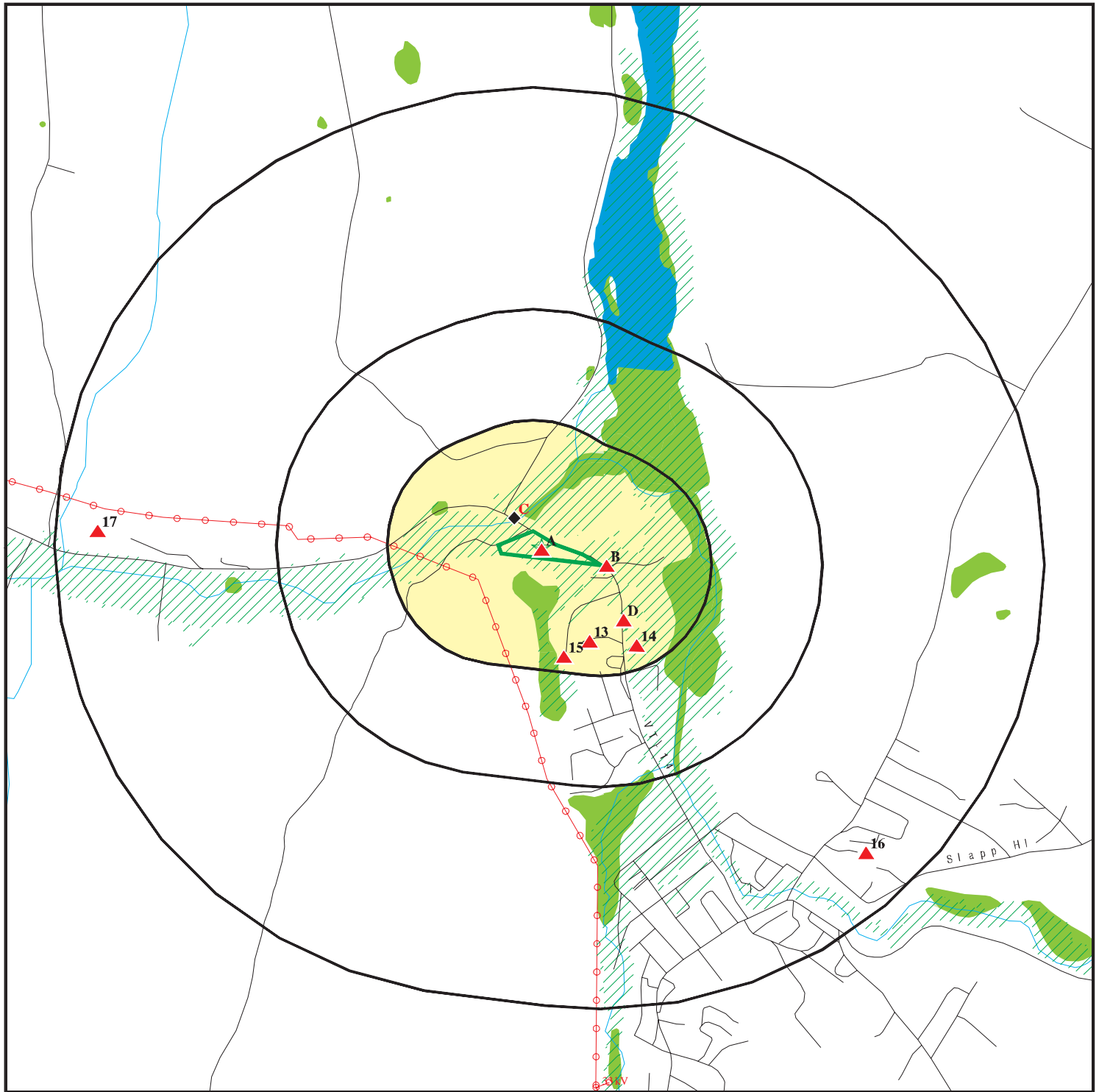
Site Name

Database(s)

HARDWICK WASTEWATER TREATMENT PLAN

LUST

OVERVIEW MAP - 5427057.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

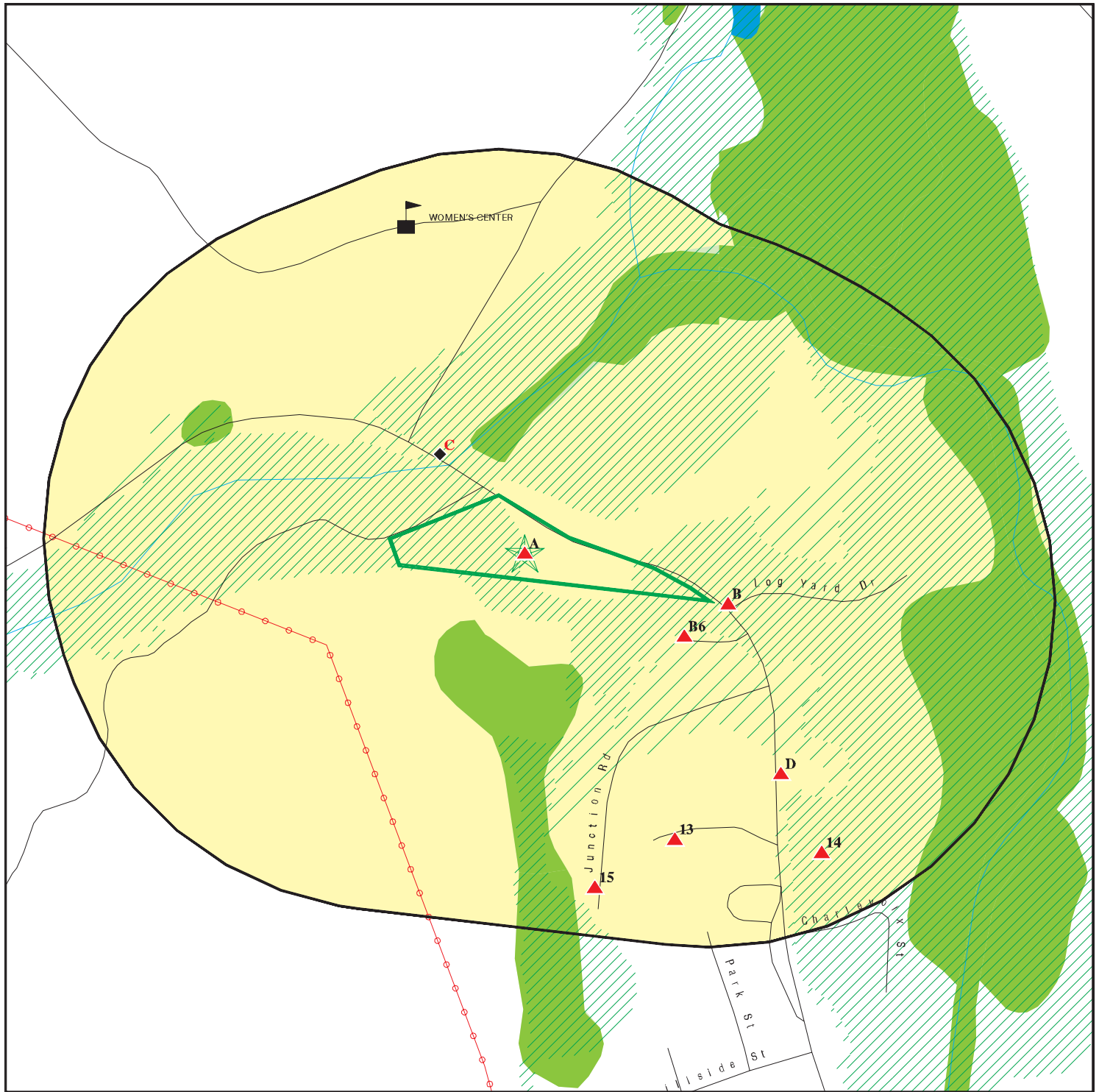
Upgradient Area














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

SITE NAME: Former Greensboro Garage
ADDRESS: 281 Vermont Route 15 West
Hardwick VT 05843
LAT/LONG: 44.515892 / 72.37739

CLIENT: LE Environmental
CONTACT: Alan Liptak
INQUIRY #: 5427057.2s
DATE: September 18, 2018 10:26 am

DETAIL MAP - 5427057.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands

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

SITE NAME: Former Greensboro Garage
 ADDRESS: 281 Vermont Route 15 West
 Hardwick VT 05843
 LAT/LONG: 44.515892 / 72.37739

CLIENT: LE Environmental
 CONTACT: Alan Liptak
 INQUIRY #: 5427057.2s
 DATE: September 18, 2018 10:27 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	2	1	NR	NR	NR	4
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	1	0	2	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	0	0	NR	NR	1
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		1	2	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
---------	----	--	----	----	----	----	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		4	7	6	0	2	0	19

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

A1
Target
Property

THE BIG YELLOW BARN INC
281 VT RTE 15 W
HARDWICK, VT 05843

RCRA-CESQG **1004792016**
VT5000001230

Site 1 of 3 in cluster A

Actual:
789 ft.

RCRA-CESQG:
Date form received by agency: 04/08/2016
Facility name: THE BIG YELLOW BARN INC
Facility address: 281 VT RTE 15 W
HARDWICK, VT 05843
EPA ID: VT5000001230
Mailing address: VT RTE 15 W
HARDWICK, VT 05843
Contact: TIMOTHY NISBET
Contact address: VT RTE 15
HARDWICK, VT 05843
Contact country: US
Contact telephone: 802-472-7128
Contact email: YELLOWBARN@VTLINK.NET
EPA Region: 01
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: THE BIG YELLOW BARN
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/1988
Owner/Op end date: Not reported

Owner/operator name: THE BIG YELLOW BARN
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE BIG YELLOW BARN INC (Continued)

1004792016

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/1988
Owner/Op end date: Not reported

Handler Activities Summary:

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

. Waste code: VT02
. Waste name: VT02

. Waste code: VT08
. Waste name: VT08

Historical Generators:

Date form received by agency: 04/16/2014
Site name: GREENSBORO GARAGE INC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: VT02
. Waste name: VT02

Date form received by agency: 10/25/2004
Site name: GREENSBORO GARAGE INC
Classification: Conditionally Exempt Small Quantity Generator

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

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE BIG YELLOW BARN INC (Continued)

1004792016

- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: VT02
- . Waste name: VT02
- . Waste code: VT08
- . Waste name: VT08
- Date form received by agency: 12/09/1994
- Site name: GREENSBORO GARAGE INC
- Classification: Conditionally Exempt Small Quantity Generator
- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE BIG YELLOW BARN INC (Continued)

1004792016

- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: VT02
- . Waste name: VT02
- . Waste code: VT08
- . Waste name: VT08
- Violation Status: No violations found

**A2
Target
Property**

**THE BIG YELLOW BARN INC
281 VT RTE 15 W
HARDWICK, VT 5843**

**MANIFEST S121132595
N/A**

Site 2 of 3 in cluster A

**Actual:
789 ft.**

VT MANIFEST:
Manifest ID: 005555208SKS
EPA Id: VT5000001230
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: THE BIG YELLOW BARN INC
Mailing Address: 281 VT RTE 15 W
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 802-472-7128
Contact Name: TIMOTHY NISBET
Trans1: TXR000081205
T1 Name: SAFETY-KLEEN SYSTEMS INC
Manifest Transporter City/State: Not reported
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM
Additional Dot: Not reported
Waste: D006
Quantity: 600
Unit: P
Date Shipped: 06/21/2017
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 06/26/2017

Manifest ID: 005555208SKS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THE BIG YELLOW BARN INC (Continued)

S121132595

EPA Id: VT5000001230
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: THE BIG YELLOW BARN INC
Mailing Address: 281 VT RTE 15 W
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 802-472-7128
Contact Name: TIMOTHY NISBET
Trans1: MAD039322250
T1 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Manifest Transporter City/State: NORWELL MA
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM
Additional Dot: Not reported
Waste: D006
Quantity: 600
Unit: P
Date Shipped: 06/21/2017
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 06/26/2017

A3
Target
Property

THE BIG YELLOW BARN INC
281 VT RTE 15 W
HARDWICK, VT 05843

FINDS
ECHO

1022260846
N/A

Site 3 of 3 in cluster A

Actual:
789 ft.

FINDS:

Registry ID: 110008204095

Environmental Interest/Information System

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

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

ECHO:

Envid: 1022260846
Registry ID: 110008204095
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008204095>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B4
ESE
< 1/8
0.014 mi.
74 ft.

LAMOILLE VALLEY FORD
222 RTE 15 WEST
HARDWICK, VT 05843

MANIFEST

S120719608
N/A

Site 1 of 3 in cluster B

Relative:
Higher

VT MANIFEST:

Actual:
797 ft.

Manifest ID:	000050110FLE
EPA Id:	VTR000002907
Facility Id:	NYR000115733
Facility Name:	ENVIRONMENTAL PROD & SVCS OF VERMONT INC
Mailing Name:	HARDWICK MOTORS INC
Mailing Address:	222 RTE 15 WEST
Mailing City,St,Zip:	HARDWICK, VT 05843
Contact Phone:	8024725967
Contact Name:	WILLIAM RICHARDSON
Trans1:	VTR000500090
T1 Name:	ENV PRODUCTS & SERVICES OF VERMONT INC
Manifest Transporter City/State:	BURLINGTON VT
Dot Description:	GASOLINE MIXTURE 3 UN1203 PGII
Additional Dot:	Not reported
Waste:	VT99
Quantity:	35.00
Unit:	G
Date Shipped:	09/22/2006
Facility City:	SYRACUSE
Facility State:	NY
Fac Date:	09/29/2006
Manifest ID:	000050110FLE
EPA Id:	VTR000002907
Facility Id:	NYR000115733
Facility Name:	ENVIRONMENTAL PROD & SVCS OF VERMONT INC
Mailing Name:	HARDWICK MOTORS INC
Mailing Address:	222 RTE 15 WEST
Mailing City,St,Zip:	HARDWICK, VT 05843
Contact Phone:	8024725967
Contact Name:	WILLIAM RICHARDSON
Trans1:	VTR000500090
T1 Name:	ENV PRODUCTS & SERVICES OF VERMONT INC
Manifest Transporter City/State:	BURLINGTON VT
Dot Description:	WASTE NON RCRA LIQUID NOS #2 FUEL OIL TANK BOTTOMS
Additional Dot:	Not reported
Waste:	VT02
Quantity:	50.00
Unit:	G
Date Shipped:	09/22/2006
Facility City:	SYRACUSE
Facility State:	NY
Fac Date:	09/29/2006
Manifest ID:	000050110FLE
EPA Id:	VTR000002907
Facility Id:	NYR000115733
Facility Name:	ENVIRONMENTAL PROD & SVCS OF VERMONT INC
Mailing Name:	HARDWICK MOTORS INC
Mailing Address:	222 RTE 15 WEST
Mailing City,St,Zip:	HARDWICK, VT 05843
Contact Phone:	8024725967

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD (Continued)

S120719608

Contact Name: WILLIAM RICHARDSON
Trans1: VTR000500090
T1 Name: ENV PRODUCTS & SERVICES OF VERMONT INC
Manifest Transporter City/State: BURLINGTON VT
Dot Description: GASOLINE MIXTURE 3 UN1203 PGII
Additional Dot: Not reported
Waste: VT99
Quantity: 35.00
Unit: G
Date Shipped: 09/22/2006
Facility City: SYRACUSE
Facility State: NY
Fac Date: 09/29/2006

Manifest ID: 000226995SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS INC
Mailing Name: HARDWICK MOTORS INC
Mailing Address: 222 RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 05843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: OKD981588791
T1 Name: TRIAD TRANSPORT INC.
Manifest Transporter City/State: MCALESTER OK
Dot Description: RQ WASTE FLAMMABLE LIQUIDS NOS (MINERAL SPIRITS, STODDARD SOLVENT) 3 UN1993 PGII ERG128
Additional Dot: Not reported
Waste: D001
Quantity: 450.00
Unit: P
Date Shipped: 10/05/2007
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 10/17/2007

Manifest ID: 000050110FLE
EPA Id: VTR000002907
Facility Id: NYR000115733
Facility Name: ENVIRONMENTAL PROD & SVCS OF VERMONT INC
Mailing Name: HARDWICK MOTORS INC
Mailing Address: 222 RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 05843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: VTR000500090
T1 Name: ENV PRODUCTS & SERVICES OF VERMONT INC
Manifest Transporter City/State: BURLINGTON VT
Dot Description: WASTE NON RCRA LIQUID NOS #2 FUEL OIL TANK BOTTOMS
Additional Dot: Not reported
Waste: VT02
Quantity: 50.00
Unit: G
Date Shipped: 09/22/2006
Facility City: SYRACUSE
Facility State: NY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD (Continued)

S120719608

Fac Date: 09/29/2006

Manifest ID: 004840785SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: LAMOILLE VALLEY FORD INC
Mailing Address: 222 RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: TXR000081205
T1 Name: SAFETY-KLEEN SYSTEMS INC
Manifest Transporter City/State: Not reported
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM 9 PG III
Additional Dot: Not reported
Waste: D006;D007;D008;VT08
Quantity: 800
Unit: P
Date Shipped: 10/14/2015
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 10/30/2015

Manifest ID: 004840785SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: LAMOILLE VALLEY FORD INC
Mailing Address: 222 RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: NJD071629976
T1 Name: S J TRANSPORTATION CO INC
Manifest Transporter City/State: WOODSTOWN NJ
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM 9 PG III
Additional Dot: Not reported
Waste: D006;D007;D008;VT08
Quantity: 800
Unit: P
Date Shipped: 10/14/2015
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 10/30/2015

Manifest ID: 000226995SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS INC
Mailing Name: HARDWICK MOTORS INC
Mailing Address: 222 RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 05843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: TXR000050930
T1 Name: SAFETY-KLEEN SYSTEMS INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD (Continued)

S120719608

Manifest Transporter City/State: PLANO TX
Dot Description: RQ WASTE FLAMMABLE LIQUIDS NOS (MINERAL SPIRITS, STODDARD SOLVENT) 3
UN1993 PGII ERG128
Additional Dot: Not reported
Waste: D001
Quantity: 450.00
Unit: P
Date Shipped: 10/05/2007
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 10/17/2007

Manifest ID: 005261833SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: LAMOILLE VALLEY FORD INC
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: TXR000081205
T1 Name: SAFETY-KLEEN SYSTEMS INC
Manifest Transporter City/State: Not reported
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM 9 PG III
Additional Dot: Not reported
Waste: D006;D007;D008;VT08
Quantity: 450
Unit: P
Date Shipped: 05/19/2016
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 06/03/2016

Manifest ID: 005261833SKS
EPA Id: VTR000002907
Facility Id: KYD053348108
Facility Name: SAFETY-KLEEN SYSTEMS; INC.
Mailing Name: LAMOILLE VALLEY FORD INC
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARDWICK, VT 5843
Contact Phone: 8024725967
Contact Name: WILLIAM RICHARDSON
Trans1: MAD039322250
T1 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Manifest Transporter City/State: NORWELL MA
Dot Description: NA3082 HAZARDOUS WASTE LIQUID NOS LEAD CHROMIUM 9 PG III
Additional Dot: Not reported
Waste: D006;D007;D008;VT08
Quantity: 450
Unit: P
Date Shipped: 05/19/2016
Facility City: SMITHFIELD
Facility State: KY
Fac Date: 06/03/2016

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B5
ESE
< 1/8
0.014 mi.
74 ft.

LAMOILLE VALLEY FORD INC
222 RTE 15 WEST
HARDWICK, VT 05843

Site 2 of 3 in cluster B

RCRA-CESQG
LUST
FINDS
ECHO

1004792303
VTR000002907

Relative:
Higher

Actual:
797 ft.

RCRA-CESQG:

Date form received by agency: 12/22/2014

Facility name: LAMOILLE VALLEY FORD INC

Facility address: 222 RTE 15 WEST
HARDWICK, VT 05843

EPA ID: VTR000002907

Mailing address: RTE 15 WEST
HARDWICK, VT 05843

Contact: WILLIAM RICHARDSON

Contact address: WOLCOTT ST
HARDWICK, VT 05843

Contact country: US

Contact telephone: 802-472-5967

Contact email: BILL@TWINSTATEFORD.COM

EPA Region: 01

Classification: Conditionally Exempt Small Quantity Generator

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

Owner/Operator Summary:

Owner/operator name: LAMOILLE VALLEY FORD

Owner/operator address: RTE 15 WEST
HARDWICK, VT 05843

Owner/operator country: US

Owner/operator telephone: 802-472-5967

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/01/2003

Owner/Op end date: Not reported

Owner/operator name: LAMOILLE VALLEY FORD

Owner/operator address: RTE 15 WEST
HARDWICK, VT 05843

Owner/operator country: US

Owner/operator telephone: 802-472-5967

Owner/operator email: Not reported

Owner/operator fax: Not reported

Owner/operator extension: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD INC (Continued)

1004792303

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

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

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

. Waste code: VT02
. Waste name: VT02

Historical Generators:

Date form received by agency: 06/19/2008
Site name: LAMOILLE VALLEY FORD INC
Classification: Conditionally Exempt Small Quantity Generator

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

. Waste code: D018
. Waste name: BENZENE

. Waste code: VT02
. Waste name: VT02

Date form received by agency: 02/20/2006
Site name: LAMOILLE VALLEY FORD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD INC (Continued)

1004792303

Classification: Conditionally Exempt Small Quantity Generator

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

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Date form received by agency: 10/27/1995

Site name: HARDWICK MOTORS INC

Classification: Conditionally Exempt Small Quantity Generator

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

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD INC (Continued)

1004792303

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: VT02
. Waste name: VT02

. Waste code: VT08
. Waste name: VT08

Violation Status: No violations found

LUST:

Facility ID: 962091
Source: UST-Gasoline
Closure Date: Not reported
Priority: LOW - Site with contamination to soils or groundwater, but no effect on sensitive receptors
Staff: Richard Spiese
Source: UST-Gasoline
Site Use: Business
Site Status: Voluntary Action
Contamination: Gasoline
Institutional Control: Not reported
Record Last Update: 01/26/2017
Project Status: Annual monitoring of on site wells needed to track variations in groundwater quality. New MWs in installed in 2011 to further characterize GW contamination. Site in MNA.

[Click here to access VT DEC Site:](#)

FINDS:

Registry ID: 110008209679

Environmental Interest/Information System

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

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

ECHO:

Envid: 1004792303

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAMOILLE VALLEY FORD INC (Continued)

1004792303

Registry ID: 110008209679
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110008209679>

B6
ESE
< 1/8
0.027 mi.
142 ft.

HARDWICK WASTEWATER TREATMENT PLANT
107 TREATMENT PLANT DRIVE
HARDWICK, VT 05843

UST **U004175712**
N/A

Site 3 of 3 in cluster B

Relative:
Higher

UST:

Actual:
799 ft.

Facility:

Facility ID: 3088
Facility Status: ACTIVE
Sites Id: Not reported
Pin: Not reported
Permitted To: Not reported
Landowner: Town of Hardwick
Permit Expires: Not reported
Fee Status: Not reported
Tanks Pulled: Not reported
Site Code: Not reported
Removed: Not reported
Receipt: Not reported
Owner Name: Town of Hardwick
Owner Person: Town Manager
Owner Address: PO Box 523
Owner City,St,Zip: Hardwick, VT 05843
Owner Telephone: 802-472-6120
Operator Name: Town of Hardwick
Operator Person: Town Manager
Operator Address: PO Box 523
Operator City,St,Zip: Hardwick, VT 05843
Operator Telephone: 802-472-6120
Groundwater Monitoring Wells: Not reported
Vapor Monitoring Points: Not reported

Tank Data:

Tank ID: 16897
Tank Status: ACTIVE
Tank Label: 1997-1
Tank Protect: Polyethylene jacketed steel
Year Removed: Not reported
Capacity (Gal): 1000
Category One: UST
CP Test: Not reported
Release Monitor: Not reported
Condition: Not reported
Date Reference: Not reported

Compartment:

Comp Id: 17186
Compartment Label: A
Substance: Fuel Oil #2 or #4
Spill: None
Overfill: unspecified overfill prevention

Piping:

Pipe Seq: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARDWICK WASTEWATER TREATMENT PLANT (Continued)

U004175712

Pipe Type: furnace
Pipe Installation Year: 1997
Pipe Protection: Copper secondarily contained within PVC40/80
CP Pipe Test: Not reported
Pipe Monitor 1: Interstitial Manual Monitoring
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Suction

**C7
NW
< 1/8
0.043 mi.
228 ft.**

**HARDWICK KWIK STOP & DELI INC
454 VT RTE 15 WEST
HARDWICK, VT 05843**

**MANIFEST S111121325
N/A**

Site 1 of 3 in cluster C

**Relative:
Lower
Actual:
788 ft.**

VT MANIFEST:
Manifest ID: 001034419GBF
EPA Id: VTR000514521
Facility Id: VTR000517052
Facility Name: ENPRO SERVICES OF VT INC
Mailing Name: HARDWICK KWIK STOP & DELI INC
Mailing Address: 454 VT RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 05843
Contact Phone: 8024723456
Contact Name: FRANCIS LAFOUNTAIN
Trans1: MAD980670004
T1 Name: ENPRO SERVICES INC
Manifest Transporter City/State: NEWBURYPORT MA
Dot Description: RQ NA3082 HAZARDOUS WASTE LIQUID NOS (BENZENE) 9 PGIII
Additional Dot: Not reported
Waste: D018
Quantity: 250.00
Unit: G
Date Shipped: 04/22/2011
Facility City: WILLISTON
Facility State: VT
Fac Date: 04/22/2011

Manifest ID: 001034419GBF
EPA Id: VTR000514521
Facility Id: VTR000517052
Facility Name: ENPRO SERVICES OF VT INC
Mailing Name: HARDWICK KWIK STOP & DELI INC
Mailing Address: 454 VT RTE 15 WEST
Mailing City,St,Zip: HARDWICK, VT 05843
Contact Phone: 8024723456
Contact Name: FRANCIS LAFOUNTAIN
Trans1: MAD980670004
T1 Name: ENPRO SERVICES INC
Manifest Transporter City/State: NEWBURYPORT MA
Dot Description: UN1203 GASOLINE MIXTURE 3 PGII
Additional Dot: Not reported
Waste: VT99
Quantity: 250.00
Unit: G
Date Shipped: 04/22/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARDWICK KWIK STOP & DELI INC (Continued)

S111121325

Facility City: WILLISTON
Facility State: VT
Fac Date: 04/22/2011

**C8
NW
< 1/8
0.043 mi.
228 ft.**

**PERRYS OIL SERVICE INC
454 VERMONT ROUTE 15 W
HARDWICK, VT 05843**

EDR Hist Auto

**1020512787
N/A**

Site 2 of 3 in cluster C

**Relative:
Lower**

EDR Hist Auto

**Actual:
788 ft.**

Year:	Name:	Type:
2001	PERRYS OIL SERVICE INC	Gasoline Service Stations, NEC
2002	PERRYS OIL SERVICE INC	Convenience Stores
2003	PERRYS OIL SERVICE INC	Gasoline Service Stations, NEC
2004	PERRYS OIL SERVICE INC	Gasoline Service Stations, NEC
2005	PERRYS OIL SERVICE INC	Convenience Stores
2006	PERRYS OIL SERVICE INC	Convenience Stores
2007	PERRYS OIL SERVICE INC	Convenience Stores

**C9
NW
< 1/8
0.043 mi.
228 ft.**

**HARDWICK KWIK STOP & DELI INC
454 VT RTE 15 WEST
HARDWICK, VT 05843**

RCRA-CESQG

**1010337447
VTR000514521**

Site 3 of 3 in cluster C

**Relative:
Lower**

RCRA-CESQG:

**Actual:
788 ft.**

Date form received by agency: 06/05/2017
Facility name: HARDWICK KWIK STOP & DELI INC
Facility address: 454 VT RTE 15 WEST
HARDWICK, VT 05843
EPA ID: VTR000514521
Mailing address: VT RTE 15 WEST
HARDWICK, VT 05843
Contact: FRANCIS LAFOUNTAIN
Contact address: VT RTE 15 WEST
HARDWICK, VT 05843
Contact country: US
Contact telephone: 802-472-3456
Contact email: GANDALF19642006@YAHOO.COM
EPA Region: 01
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARDWICK KWIK STOP & DELI INC (Continued)

1010337447

the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FRANCIS LAFOUNTAIN
Owner/operator address: VT RTE 15 WEST
HARDWICK, VT 05843
Owner/operator country: US
Owner/operator telephone: 802-472-3456
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/15/2005
Owner/Op end date: Not reported

Owner/operator name: HARDWICK KWIK STOP & DELI INC.
Owner/operator address: VT RTE 15 WEST
HARDWICK, VT 05843
Owner/operator country: US
Owner/operator telephone: 802-472-3456
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/05/1905
Owner/Op end date: Not reported

Handler Activities Summary:

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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARDWICK KWIK STOP & DELI INC (Continued)

1010337447

Historical Generators:

Date form received by agency: 04/05/2012

Site name: HARDWICK KWIK STOP & DELI INC

Classification: Small Quantity Generator

. Waste code: D001

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

. Waste code: D018

. Waste name: BENZENE

Date form received by agency: 06/20/2006

Site name: HARDWICK KWIK STOP & DELI INC

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001

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

. Waste code: D018

. Waste name: BENZENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/31/2017

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported

Date achieved compliance: Not reported

Evaluation lead agency: State

D10
SE
1/8-1/4
0.135 mi.
711 ft.

RITE AID # 10336
82 ROUTE 15 WEST
HARDWICK, VT 5843

Site 1 of 3 in cluster D

MANIFEST S118369880
N/A

Relative:
Higher

VT MANIFEST:

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City, St, Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER

Actual:
803 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1950 WASTE AEROSOLS FLAMABLE 2.1
Additional Dot: Not reported
Waste: D001;D035
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: NON REGULATED MATERIAL
Additional Dot: Not reported
Waste: VT99
Quantity: 31
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: NON HAZARDOUS SOLID WASTE NON DOT NON RCRA REGULATED MIXED ELECTRONICS
Additional Dot: Not reported
Waste: VT99
Quantity: 4
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: RQ UN1851 WASTE MEDICINE LIQUID TOXIC NOS CHROMIUM 6.1 PGIII RQ
Additional Dot: Not reported
Waste: U129;U205;D007;D010;D011;D026
Quantity: 5
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1851 WASTE MEDICINE LIQUID TOXIC NOS MERCURY LINDANE 6.1 PGIII
Additional Dot: Not reported
Waste: U035;U044;U058;D005;D007;D009
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3248 WASTE MEDICINE LIQUID FLAMMABLE TOXIC NOS CRESOLS METHANOL 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

6.1 PGIII
Additional Dot: Not reported
Waste: U002;D001;D024;D026;U122;U154
Quantity: 2
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: NON REGULATED
Additional Dot: Not reported
Waste: VT99
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN18521 WASTE MEDICINE LIQUID TOXIC NOS 6.1 PGIII
Additional Dot: Not reported
Waste: P001
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3249 RESIDUE LAST CONTAINED WASTE MEDICINES SOLID TOXIC NOS WARFARIN
COUMADIN 6.1 PGII
Additional Dot: Not reported
Waste: P001
Quantity: 4
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1654 WASTE NICOTINE 6.1 PGII
Additional Dot: Not reported
Waste: P075
Quantity: 3
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1993 WASTE FLAMMABLE LIQUIDS NOS PETROLEUM DISTILLATES MEK 3 PGII
Additional Dot: Not reported
Waste: U002;D001;D018;D035

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Quantity: 2
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3175 WASTE SOLIDS CONTAINING FLAMMABLE LIQUIDS NOS XYLENE TOLUENE
4.1 PG II
Additional Dot: Not reported
Waste: U002;D001;D018;D035
Quantity: 2
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1057 WASTE LIGHTERS 2.1
Additional Dot: Not reported
Waste: D001
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3244 WASTE SOLIDS CONTAINING CORROSIVE LIQUID NOS SULFURIC ACID
MURIATIC ACID 8 PG II
Additional Dot: Not reported
Waste: D002
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1791 WASTE HYPOCHLORITE SOLUTIONS 8 PGII
Additional Dot: Not reported
Waste: D002
Quantity: 3
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3139 WASTE OXIDIZING LIQUID NOS HYDROGEN PEROXIDE 5.1 PGII
Additional Dot: Not reported
Waste: D001
Quantity: 4
Unit: P

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: NON RCRA NON DOT UNIVERSAL WASTE BATTERIES
Additional Dot: Not reported
Waste: VT99
Quantity: 2
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013572430JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3090 LITHIUM METAL BATTERIES
Additional Dot: Not reported
Waste: VT99
Quantity: 1
Unit: P
Date Shipped: 07/08/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 07/14/2015

Manifest ID: 013573725JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID # 10336 (Continued)

S118369880

Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN1950 WASTE AEROSOLS FLAMMABLE 2.1
Additional Dot: Not reported
Waste: D001;D035
Quantity: 1
Unit: P
Date Shipped: 01/22/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 01/27/2015

Manifest ID: 013573725JJK
EPA Id: VTR000522417
Facility Id: MID980991566
Facility Name: EQ DETROIT INC
Mailing Name: MAXI GREEN INC
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Contact Phone: 7179758643
Contact Name: DAVID CROZIER
Trans1: MAD084814136
T1 Name: EQ NORTHEAST INC
Manifest Transporter City/State: WRENTHAM MA
Dot Description: UN3028 WASTE BATTERIES DRY CONTAINING POTASSIUM HYDROXIDE SOLID
ELECTRIC STORAGE 8 PGIII
Additional Dot: Not reported
Waste: D011
Quantity: 1
Unit: P
Date Shipped: 01/22/2015
Facility City: DETROIT
Facility State: MI
Fac Date: 01/27/2015

[Click this hyperlink](#) while viewing on your computer to access
133 additional VT MANIFEST: record(s) in the EDR Site Report.

D11
SE
1/8-1/4
0.135 mi.
711 ft.

DBA RITE AID #10336
82 ROUTE 15 WEST
HARDWICK, VT 05843
Site 2 of 3 in cluster D

RCRA-CESQG 1015751654
VTR000522417

Relative:
Higher
Actual:
803 ft.

RCRA-CESQG:
Date form received by agency: 12/11/2017
Facility name: DBA RITE AID #10336
Facility address: 82 ROUTE 15 WEST
HARDWICK, VT 05843
EPA ID: VTR000522417
Mailing address: WILMOT ROAD MS #3301
DEERFIELD, IL 60015
Contact: KIMBERLY DASCOLI
Contact address: WILMOT ROAD
DEERFIELD, IL 60015
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

Contact telephone: 847-315-2812
Contact email: KIM.DASCOLI@WALGREENS.COM
EPA Region: 01
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: WALGREEN EASTERN CO
Owner/operator address: WILMOT ROAD MS #3301
DEERFIELD, IL 60015
Owner/operator country: US
Owner/operator telephone: 847-315-2812
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/31/2018
Owner/Op end date: Not reported

Owner/operator name: WALGREEN EASTERN CO
Owner/operator address: WILMOT ROAD
DEERFIELD, IL 60015
Owner/operator country: US
Owner/operator telephone: 847-315-2812
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/31/2018
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

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

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: VT99

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

. Waste name: VT99

Historical Generators:

Date form received by agency: 02/04/2016

Site name: RITE AID # 10336

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001

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

. Waste code: D002

. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005

. Waste name: BARIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D013

. Waste name: LINDANE

. Waste code: D016

. Waste name: 2,4-D

. Waste code: D018

. Waste name: BENZENE

. Waste code: D024

. Waste name: M-CRESOL

. Waste code: D026

. Waste name: CRESOL

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS

- . Waste code: U002
- . Waste name: ACETONE (I)

- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

- . Waste code: U044
- . Waste name: CHLOROFORM

- . Waste code: U058
- . Waste name: CYCLOPHOSPHAMIDE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO-

- . Waste code: U122
- . Waste name: FORMALDEHYDE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

- . Waste code: U154
- . Waste name: METHANOL (I)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE

- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE

- . Waste code: U240
- . Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

- . Waste code: VT08
- . Waste name: VT08

- . Waste code: VT99
- . Waste name: VT99

Date form received by agency: 11/17/2015

Site name: RITE AID #10336

Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

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

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D016
- . Waste name: 2,4-D

- . Waste code: D018
- . Waste name: BENZENE

- . Waste code: D024
- . Waste name: M-CRESOL

- . Waste code: D026
- . Waste name: CRESOL

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

- . Waste code: P075
- . Waste name: NICOTINE, & SALTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
(1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U205
. Waste name: SELENIUM SULFIDE

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE

. Waste code: U240
. Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

. Waste code: VT08
. Waste name: VT08

. Waste code: VT99
. Waste name: VT99

Date form received by agency: 08/04/2015

Site name: RITE AID #10336

Classification: Large Quantity Generator

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

. Waste code: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D016
- . Waste name: 2,4-D
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
- . Waste code: P042
- . Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
- . Waste code: P075
- . Waste name: NICOTINE, & SALTS
- . Waste code: U002
- . Waste name: ACETONE (I)
- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
- . Waste code: U044
- . Waste name: CHLOROFORM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

- . Waste code: U058
- . Waste name: CYCLOPHOSPHAMIDE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO-

- . Waste code: U122
- . Waste name: FORMALDEHYDE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
(1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

- . Waste code: U154
- . Waste name: METHANOL (I)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE

- . Waste code: U211
- . Waste name: CARBON TETRACHLORIDE

- . Waste code: U240
- . Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

- . Waste code: VT08
- . Waste name: VT08

- . Waste code: VT99
- . Waste name: VT99

Date form received by agency: 07/27/2015

Site name: RITE AID #10336

Classification: Large Quantity Generator

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

- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

- . Waste code: D007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

. Waste name: CHROMIUM

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D024

. Waste name: M-CRESOL

. Waste code: D026

. Waste name: CRESOL

. Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075

. Waste name: NICOTINE, & SALTS

. Waste code: VT02

. Waste name: VT02

. Waste code: VT08

. Waste name: VT08

Date form received by agency: 08/22/2012

Site name: RITE AID #10336

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001

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

. Waste code: D002

. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,
WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

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

Amount (Lbs): 29.5

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS
CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A
CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN
OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS
USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN
THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE
DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 17.5

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 3.5

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 34.5

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 3.7

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 34.5

Waste code: D011
Waste name: SILVER
Amount (Lbs): 34.8

Waste code: D013
Waste name: LINDANE
Amount (Lbs): 3.5

Waste code: D018
Waste name: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DBA RITE AID #10336 (Continued)

1015751654

Amount (Lbs):	10
Waste code:	D024
Waste name:	M-CRESOL
Amount (Lbs):	7
Waste code:	D026
Waste name:	CRESOL
Amount (Lbs):	38
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	16
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs):	8.6
Waste code:	P042
Waste name:	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
Amount (Lbs):	1
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Amount (Lbs):	5.2
Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	16
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	6
Waste code:	U129
Waste name:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-
Amount (Lbs):	31
Waste code:	U154
Waste name:	METHANOL (I)
Amount (Lbs):	6
Waste code:	U205
Waste name:	SELENIUM SULFIDE
Amount (Lbs):	31

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D12
SE
1/8-1/4
0.145 mi.
764 ft.

GATES SALVAGE
ROUTE 14
HARDWICK, VT

Site 3 of 3 in cluster D

SHWS
SPILLS

S103451629
N/A

Relative:
Higher

Actual:
804 ft.

SHWS:

Facility ID: 20033117
Source Type: Gasoline
Priority: SMAC - Site Management Activities Completed
Staff: Richard Spiese
Closure Date: 10/03/2006
Site Use: Junk Yard
site Status: Not reported
Contamination: Gasoline, Other Metals, Other Petroleum
Institutional Control: Not reported
Record Last Update: 11/13/2006
Project Status: PCS and lead contaminated soils. CAP to remove soils and stockpile and treat on site implemented. PCS bioreced and lead soils phytoremediated and spread on site.

[Click here to access VT DEC Site:](#)

Facility ID: 20033117
Source Type: Batteries
Priority: SMAC - Site Management Activities Completed
Staff: Richard Spiese
Closure Date: 10/03/2006
Site Use: Junk Yard
site Status: Not reported
Contamination: Gasoline, Other Metals, Other Petroleum
Institutional Control: Not reported
Record Last Update: 11/13/2006
Project Status: PCS and lead contaminated soils. CAP to remove soils and stockpile and treat on site implemented. PCS bioreced and lead soils phytoremediated and spread on site.

[Click here to access VT DEC Site:](#)

Facility ID: 20033117
Source Type: Spill
Priority: SMAC - Site Management Activities Completed
Staff: Richard Spiese
Closure Date: 10/03/2006
Site Use: Junk Yard
site Status: Not reported
Contamination: Gasoline, Other Metals, Other Petroleum
Institutional Control: Not reported
Record Last Update: 11/13/2006
Project Status: PCS and lead contaminated soils. CAP to remove soils and stockpile and treat on site implemented. PCS bioreced and lead soils phytoremediated and spread on site.

[Click here to access VT DEC Site:](#)

SPILLS:

Year: 1999
Report #: WMD365
Hazardous Site Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GATES SALVAGE (Continued)

S103451629

Date Reported: 10/22/1999
Time Reported: 1450
Complaint Taker: Tim Cropley
Received From: No
Duty Officer: Not reported
Reported By Name: Anon
Reported By Organization: Not reported
Reported By Work Phone: Not reported
Reported By Home Phone: Not reported
Incident Code: 16
Incident Type: Poor housekeeping
Date Of Incident: Not reported
Time Of Incident: 0
Product: waste oil, gasoline
Quantity: Not reported
Unit Of Measure: Not reported
Responsible Party: Gates Salvage
RP Address: Route 14
RP City,St,Zip: Hardwick, VT
RP Phone Work: Not reported
RP Phone Home: Not reported
RP EMail: Not reported
EMail Sent Status: Y
Case Assigned To: Enf
Surface Water Affected: Not reported
Date Closed: 10/25/1999
Closure Desc: Not reported
UST Facility Id: Not reported
Lat/Long: Not reported
Comments: Not reported
Action: Report taken

[Click here to access VT DEC Site:](#)

13
SSE
1/8-1/4
0.173 mi.
916 ft.

**FORMER VERMONT MILK COMPANY
85 INDUSTRIAL PARK ROAD
HARDWICK, VT**

**UST U004155804
N/A**

**Relative:
Higher**

UST:

**Actual:
825 ft.**

Facility:

Facility ID: 5553334
Facility Status: PULLED
Sites Id: Not reported
Pin: Not reported
Permitted To: Not reported
Landowner: Manosh Properties
Permit Expires: Not reported
Fee Status: Not reported
Tanks Pulled: 1
Site Code: No contamination
Removed: 1
Receipt: Not reported
Owner Name: Manosh Properties
Owner Person: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER VERMONT MILK COMPANY (Continued)

U004155804

Owner Address: 120 Northgate Plaza
Owner City,St,Zip: Morrisville, VT
Owner Telephone: Not reported
Operator Name: Not reported
Operator Person: Not reported
Operator Address: Not reported
Operator City,St,Zip: Not reported
Operator Telephone: Not reported
Groundwater Monitoring Wells: Not reported
Vapor Monitoring Points: Not reported

Tank Data:

Tank ID: 16754
Tank Status: PULLED
Tank Label: 1985-1-R
Tank Protect: Protected steel
Year Removed: 2010
Capacity (Gal): 3000
Category One: UST
CP Test: Not reported
Release Monitor: Not reported
Condition: POOR
Date Reference: Not reported

Compartment:

Comp Id: 17035
Compartment Label: A
Substance: Fuel Oil #2 or #4
Spill: Not reported
Overfill: Not reported

Piping:

Pipe Seq: 1
Pipe Type: furnace
Pipe Installation Year: Not reported
Pipe Protection: Not reported
CP Pipe Test: Not reported
Pipe Monitor 1: Not reported
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Not reported

14
SE
1/8-1/4
0.199 mi.
1049 ft.

**KWIK STOP AND DELI
WOLCOTT STREET ROUTE 15
HARDWICK, VT 05843**

**UST U000907790
N/A**

**Relative:
Higher**

UST:

**Actual:
808 ft.**

Facility:

Facility ID: 4728281
Facility Status: PULLED
Sites Id: 870082
Pin: SJ97-0206
Permitted To: Tank Owner
Landowner: Kwik Stop & Deli Inc

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KWIK STOP AND DELI (Continued)

U000907790

Permit Expires: Not reported
Fee Status: Not reported
Tanks Pulled: 3
Site Code: Contamination found
Removed: 3
Receipt: 0052
Owner Name: Kwik Stop and Deli Inc/Union Bank
Owner Person: David Simmons Sec/Dir
Owner Address: RR 1 Box 1046
Owner City,St,Zip: Hardwick, VT 05843
Owner Telephone: 802-472-6460
Operator Name: Kwik Stop and Deli Inc
Operator Person: David Simmons Sec/Dir
Operator Address: RR 1 Box 1046
Operator City,St,Zip: Hardwick, VT 05843
Operator Telephone: 802-472-6460
Groundwater Monitoring Wells: 3
Vapor Monitoring Points: Not reported

Tank Data:

Tank ID: 3552
Tank Status: PULLED
Tank Label: -1-1-R
Tank Protect: Not reported
Year Removed: 1986
Capacity (Gal): 1000
Category One: UST
CP Test: Not reported
Release Monitor: Not reported
Condition: GOOD
Date Reference: Not reported

Compartment:

Comp Id: 3549
Compartment Label: A
Substance: Unknown
Spill: Not reported
Overfill: Not reported

Piping:

Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: Not reported
Pipe Protection: Not reported
CP Pipe Test: Not reported
Pipe Monitor 1: Not reported
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Not reported

Tank Data:

Tank ID: 3553
Tank Status: PULLED
Tank Label: -1-2-R
Tank Protect: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KWIK STOP AND DELI (Continued)

U000907790

Year Removed: 1986
Capacity (Gal): 1000
Category One: UST
CP Test: Not reported
Release Monitor: Not reported
Condition: GOOD
Date Reference: Not reported

Compartment:
Comp Id: 3550
Compartment Label: A
Substance: Unknown
Spill: Not reported
Overfill: Not reported

Piping:
Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: Not reported
Pipe Protection: Not reported
CP Pipe Test: Not reported
Pipe Monitor 1: Not reported
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Not reported

Tank Data:
Tank ID: 3554
Tank Status: PULLED
Tank Label: -1-3-R
Tank Protect: Not reported
Year Removed: 1986
Capacity (Gal): 1000
Category One: UST
CP Test: Not reported
Release Monitor: Not reported
Condition: GOOD
Date Reference: Not reported

Compartment:
Comp Id: 3551
Compartment Label: A
Substance: Unknown
Spill: Not reported
Overfill: Not reported

Piping:
Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: Not reported
Pipe Protection: Not reported
CP Pipe Test: Not reported
Pipe Monitor 1: Not reported
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KWIK STOP AND DELI (Continued)

U000907790

Tank Data:

Tank ID: 3555
Tank Status: PULLED
Tank Label: 1985-1-R
Tank Protect: Protected steel
Year Removed: 2002
Capacity (Gal): 3000
Category One: UST
CP Test: Not reported
Release Monitor: SIR
Condition: GOOD
Date Reference: 8/6/2002

Compartment:

Comp Id: 3552
Compartment Label: A
Substance: Gasoline
Spill: None
Overfill: None

Piping:

Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: 1985
Pipe Protection: Unprotected steel
CP Pipe Test: Not reported
Pipe Monitor 1: Statistical Inventory Reconciliation
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Suction

Tank Data:

Tank ID: 3556
Tank Status: PULLED
Tank Label: 1985-2-R
Tank Protect: Protected steel
Year Removed: 2002
Capacity (Gal): 4000
Category One: UST
CP Test: Not reported
Release Monitor: SIR
Condition: GOOD
Date Reference: 8/6/2002

Compartment:

Comp Id: 3553
Compartment Label: A
Substance: Gasoline
Spill: None
Overfill: None

Piping:

Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: 1985
Pipe Protection: Unprotected steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KWIK STOP AND DELI (Continued)

U000907790

CP Pipe Test: Not reported
Pipe Monitor 1: Statistical Inventory Reconciliation
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Suction

Tank Data:

Tank ID: 3557
Tank Status: PULLED
Tank Label: 1986-3-R
Tank Protect: Protected steel
Year Removed: 2002
Capacity (Gal): 6250
Category One: UST
CP Test: Not reported
Release Monitor: SIR
Condition: GOOD
Date Reference: 8/6/2002

Compartment:

Comp Id: 3554
Compartment Label: A
Substance: Gasoline
Spill: None
Overfill: None

Piping:

Pipe Seq: 1
Pipe Type: DEFAULT
Pipe Installation Year: 1986
Pipe Protection: Unprotected steel
CP Pipe Test: Not reported
Pipe Monitor 1: Statistical Inventory Reconciliation
Pipe Monitor 1 Test: Not reported
Pipe Monitor 2: Not reported
Pipe Monitor 2 Tested Date: Not reported
Pump Type: Suction

15
SSE
1/8-1/4
0.215 mi.
1134 ft.

KINGDOM METAL FINISHING
190 JUNCTION RD
HARDWICK, VT 05843

RCRA NonGen / NLR

1011844358
VTR000518217

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 06/20/2014
Facility name: KINGDOM METAL FINISHING
Facility address: 190 JUNCTION RD
HARDWICK, VT 05843
EPA ID: VTR000518217
Mailing address: PO BOX 859
HARDWICK, VT 05843
Contact: GARY WHIPPLE
Contact address: PO BOX 859
HARDWICK, VT 05843

Actual:
816 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGDOM METAL FINISHING (Continued)

1011844358

Contact country: US
Contact telephone: 802-472-2244
Contact email: Not reported
EPA Region: 01
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GARY WHIPPLE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2008
Owner/Op end date: Not reported

Owner/operator name: GARY WHIPPLE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/01/2000
Owner/Op end date: Not reported

Owner/operator name: NEAL KISHNER
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/1988
Owner/Op end date: Not reported

Owner/operator name: ESSEX ARMS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGDOM METAL FINISHING (Continued)

1011844358

Owner/Op start date: 11/01/2000
Owner/Op end date: Not reported

Owner/operator name: GARY WHIPPLE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/01/2008
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 07/27/2010
Site name: KINGDOM METAL FINISHING
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- . Waste code: D002
- . Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGDOM METAL FINISHING (Continued)

1011844358

Date form received by agency: 08/18/2008
Site name: ESSEX ARMS
Classification: Conditionally Exempt Small Quantity Generator

Waste code: VT02
Waste name: VT02

Violation Status: No violations found

16
SE
1/2-1
0.882 mi.
4658 ft.

SWEET AND BURT BULK FACILITY
CREAMERY ST
HARDWICK, VT

SHWS S108114499
N/A

Relative:
Higher
Actual:
881 ft.

SHWS:
Facility ID: 972129
Source Type: Not reported
Priority: SMAC - Site Management Activities Completed
Staff: Mike Young
Closure Date: 11/01/1997
Site Use: Bulk Storage
site Status: Not reported
Contamination: Not reported
Institutional Control: Not reported
Record Last Update: 05/18/2007
Project Status: GWES met on site, Site Closed

[Click here to access VT DEC Site:](#)

17
West
1/2-1
0.903 mi.
4770 ft.

GREEN MOUNTAIN SANITATION
ROUTE 14
HARDWICK, VT

SHWS S108114197
N/A

Relative:
Higher
Actual:
829 ft.

SHWS:
Facility ID: 951792
Source Type: Other
Priority: LOW - Site with contamination to soils or groundwater, but no effect on sensitive receptors
Staff: Tami Wuestenberg
Closure Date: Not reported
Site Use: Junk Yard
site Status: Not reported
Contamination: Non-Petroleum
Institutional Control: Not reported
Record Last Update: 03/03/2011
Project Status: Enviro Assess Complete, negotiation W/Enf Div Ongoing. No activity as of April 2006. Site is actively undergoing cleanup with enforcement division and solid waste section. Projected completion spring/summer 2009. Once that is complete, site will be eligible for closure. Waiting on solid waste division.

[Click here to access VT DEC Site:](#)

Facility ID: 951792
Source Type: Batteries

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREEN MOUNTAIN SANITATION (Continued)

S108114197

Priority: LOW - Site with contamination to soils or groundwater, but no effect on sensitive receptors
Staff: Tami Wuestenberg
Closure Date: Not reported
Site Use: Junk Yard
site Status: Not reported
Contamination: Non-Petroleum
Institutional Control: Not reported
Record Last Update: 03/03/2011
Project Status: Enviro Assess Complete, negotiation W/Enf Div Ongoing. No activity as of April 2006. Site is actively undergoing cleanup with enforcement division and solid waste section. Projected completion spring/summer 2009. Once that is complete, site will be eligible for closure. Waiting on solid waste division.

[Click here to access VT DEC Site:](#)

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HARDWICK	S106621091	HARDWICK WASTEWATER TREATMENT PLAN	RT 15, WOLCOTT RD		LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: N/A
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: N/A
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/15/2018
	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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/17/2018	Source: EPA
Date Data Arrived at EDR: 08/09/2018	Telephone: 800-424-9346
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 08/09/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/29/2018
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (888) 372-7341
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (888) 372-7341
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (888) 372-7341
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (888) 372-7341
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	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: 05/14/2018	Source: Department of the Navy
Date Data Arrived at EDR: 05/18/2018	Telephone: 843-820-7326
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/26/2018
	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: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 08/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/10/2018
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 08/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/10/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/18/2018

Date Data Arrived at EDR: 06/27/2018

Date Made Active in Reports: 09/14/2018

Number of Days to Update: 79

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/27/2018

Next Scheduled EDR Contact: 10/08/2018

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Sites Database

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: 07/02/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/17/2018

Number of Days to Update: 45

Source: Department of Environmental Conservation

Telephone: 802-241-3443

Last EDR Contact: 08/20/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Quarterly

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

SWF/LF: Landfills and Transfer Stations

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: 07/25/2018

Date Data Arrived at EDR: 07/26/2018

Date Made Active in Reports: 08/20/2018

Number of Days to Update: 25

Source: Department of Environmental Conservation

Telephone: 802-241-3444

Last EDR Contact: 09/06/2018

Next Scheduled EDR Contact: 12/24/2018

Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Sites Database

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

Date of Government Version: 07/02/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/20/2018

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 802-241-3888

Last EDR Contact: 08/20/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Quarterly

LAST: Sites Database

Leaking aboveground storage tank site locations included in the Sites database.

Date of Government Version: 07/02/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/17/2018

Number of Days to Update: 45

Source: Department of Environmental Conservation

Telephone: 802-241-3443

Last EDR Contact: 08/20/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/11/2018
Number of Days to Update: 136	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Varies

UST: State of Vermont Underground Storage Tank Database

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

Date of Government Version: 05/07/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2018	Telephone: 802-241-3888
Date Made Active in Reports: 07/06/2018	Last EDR Contact: 08/10/2018
Number of Days to Update: 58	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of facilities with aboveground storage tanks.

Date of Government Version: 04/26/2018	Source: Department of Public Safety
Date Data Arrived at EDR: 04/27/2018	Telephone: 802-244-8721
Date Made Active in Reports: 05/01/2018	Last EDR Contact: 07/26/2018
Number of Days to Update: 4	Next Scheduled EDR Contact: 11/12/2018
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-9424
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 07/27/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of Active and Closed sites with institutional controls in place

Date of Government Version: 07/02/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/17/2018

Number of Days to Update: 45

Source: Department of Environmental Conservation

Telephone: 802-241-3443

Last EDR Contact: 08/20/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Quarterly

INST CONTROL: Institutional Control Sites Listing

Active and Closed Sites with institutional controls in place.

Date of Government Version: 07/02/2018

Date Data Arrived at EDR: 07/03/2018

Date Made Active in Reports: 08/20/2018

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 802-241-3443

Last EDR Contact: 08/20/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008

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: 04/20/2009

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: 06/22/2018

Next Scheduled EDR Contact: 10/08/2018

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A listing of sites in the Brownfields program.

Date of Government Version: 05/24/2018

Date Data Arrived at EDR: 05/25/2018

Date Made Active in Reports: 07/03/2018

Number of Days to Update: 39

Source: Department of Environmental Conservation

Telephone: 802-241-3888

Last EDR Contact: 08/22/2018

Next Scheduled EDR Contact: 12/03/2018

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
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: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

SPILLS: Sites Database

Hazardous materials spills included in the Sites database.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 07/06/2018
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 04/19/2000
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (888) 372-7341
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 08/24/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/11/2018
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/13/2018
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/17/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/26/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-566-1917
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/27/2018
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 08/03/2018
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/10/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/19/2018
	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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 06/22/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 10/01/2018
	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: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 08/24/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 12/03/2018
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 07/27/2018
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/05/2018
	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: 05/13/2018	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 703-416-0223
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 09/07/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/17/2018
	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: 05/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/17/2018	Telephone: 202-564-8600
Date Made Active in Reports: 09/07/2018	Last EDR Contact: 07/20/2018
Number of Days to Update: 113	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/09/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/19/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

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

Date of Government Version: 06/01/2017	Source: EPA
Date Data Arrived at EDR: 06/09/2017	Telephone: 202-566-0500
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 07/13/2018
Number of Days to Update: 126	Next Scheduled EDR Contact: 10/22/2018
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/22/2018
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 07/23/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/05/2018
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/07/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/04/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/17/2018
	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: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 07/27/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/05/2018
	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: 04/03/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/05/2018	Telephone: 202-343-9775
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 07/05/2018
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/15/2018
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

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

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: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/31/2018
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/10/2018
	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: 09/10/2018	Source: Department of Interior
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-208-2609
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 09/10/2018
Number of Days to Update: 3	Next Scheduled EDR Contact: 12/24/2018
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/21/2018	Source: EPA
Date Data Arrived at EDR: 02/23/2018	Telephone: (617) 918-1111
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 09/05/2018
Number of Days to Update: 28	Next Scheduled EDR Contact: 12/17/2018
	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: 01/04/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-0527
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 08/31/2018
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/10/2018
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/05/2018	Telephone: 202-564-2280
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 09/05/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/17/2018
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 107

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

AIRS: Permitted AIRS Facility Listing

A listing of permitted AIRS facility locations.

Date of Government Version: 06/14/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/17/2018
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 802-241-3840
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

Asbestos notification sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/03/2018
Number of Days to Update: 21

Source: Department of Health
Telephone: 802-865-7784
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facilities List

A listing of drycleaners that use perchloroethylene.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 07/03/2018
Number of Days to Update: 55

Source: Department of Environmental Conservation
Telephone: 802-241-3857
Last EDR Contact: 08/08/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 06/30/2009
Date Data Arrived at EDR: 09/14/2009
Date Made Active in Reports: 09/30/2009
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 802-241-3868
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 07/03/2018
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: Inventory of NPDES Permits

A listing of NPDES permits.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/20/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 802-241-2369
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 20

Source: Department of Public Safety
Telephone: 802-244-8721
Last EDR Contact: 07/26/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: No Update Planned

VAPOR: Vapor Intrusion

A listing of where the site project manager has determined that an indoor air impact has occurred. This may be due to either vapor intrusion (VI) or direct releases of a hazardous material into a building.

Date of Government Version: 09/05/2017
Date Data Arrived at EDR: 09/08/2017
Date Made Active in Reports: 01/24/2018
Number of Days to Update: 138

Source: Agency of Natural Resources
Telephone: 802-828-1295
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells in the state.

Date of Government Version: 05/15/2018
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 07/06/2018
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 802-585-4913
Last EDR Contact: 08/08/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

EDR 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 HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS 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 Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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 Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Environmental Conservation
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 Conservation in Vermont.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Child Care Providers

Source: Social & Rehabilitation Services

Telephone: 802-241-2158

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: VT Center for Geographic Information

Telephone: 802-882-3001

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER GREENSBORO GARAGE
281 VERMONT ROUTE 15 WEST
HARDWICK, VT 05843

TARGET PROPERTY COORDINATES

Latitude (North):	44.515892 - 44° 30' 57.21"
Longitude (West):	72.37739 - 72° 22' 38.60"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	708442.4
UTM Y (Meters):	4932303.5
Elevation:	789 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5649159 WOLCOTT, VT
Version Date:	2012
Northeast Map:	5649139 CASPIAN LAKE, VT
Version Date:	2012
Southeast Map:	5645483 CABOT, VT
Version Date:	2012
Southwest Map:	5641048 WOODBURY, VT
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

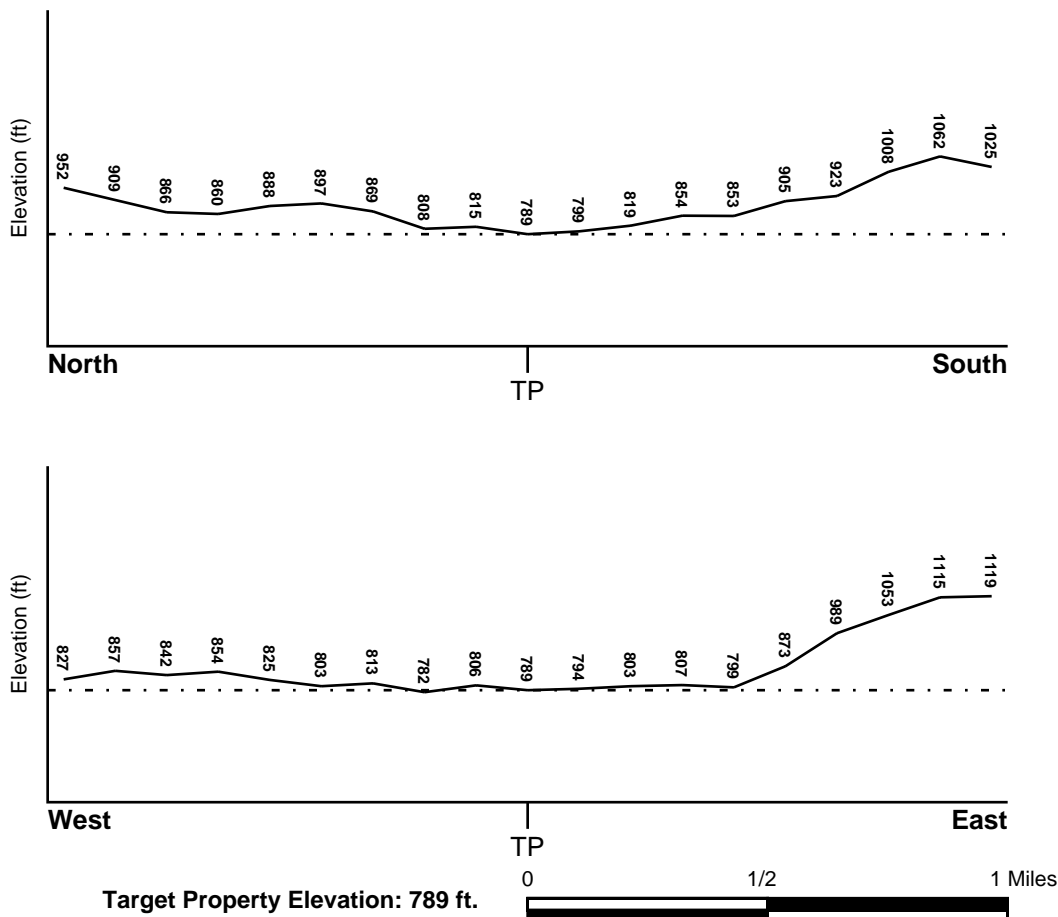
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
5000270012D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
5000270016D	FEMA FIRM Flood data
5000270014D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
WOLCOTT	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Devonian
Code:	De (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: LYMAN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
2	6 inches	17 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
3	17 inches	21 inches	unweathered bedrock	Not reported	Not reported	Max: 20.00 Min: 0.01	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very stony - loam
 very stony - fine sandy loam
 unweathered bedrock
 extremely stony - loam
 loam
 extremely stony - fine sandy loam

Surficial Soil Types: very stony - loam
 very stony - fine sandy loam
 unweathered bedrock
 extremely stony - loam
 loam
 extremely stony - fine sandy loam

Shallow Soil Types: fine sandy loam

Deeper Soil Types: fine sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C6	USGS40001197358	1/4 - 1/2 Mile SSE
D7	USGS40001197357	1/4 - 1/2 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
33	VT0005039	1/2 - 1 Mile SSE

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

STATE DATABASE WELL INFORMATION

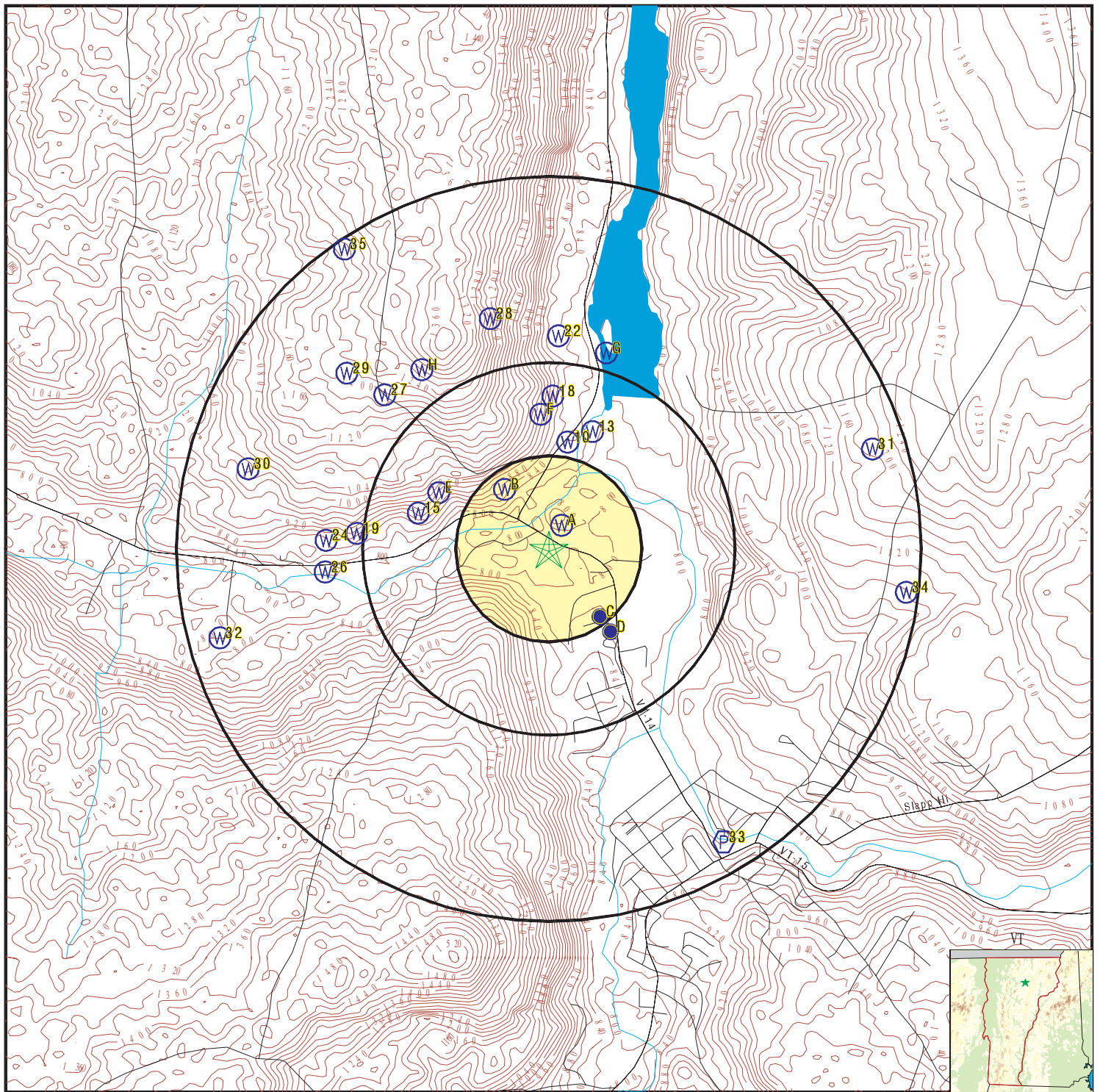
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	VT6000000089494	0 - 1/8 Mile North
A2	VT6000000089418	0 - 1/8 Mile NE
B3	VT6000000002207	1/8 - 1/4 Mile NW
C4	VT6000000089425	1/8 - 1/4 Mile SE
B5	VT6000000040026	1/8 - 1/4 Mile NW
D8	VTPUB1000001426	1/4 - 1/2 Mile SE
D9	VTPUB1000001427	1/4 - 1/2 Mile SE
10	VT6000000072509	1/4 - 1/2 Mile North
E11	VT6000000079121	1/4 - 1/2 Mile WNW
F12	VT6000000079100	1/4 - 1/2 Mile North
13	VT6000000079085	1/4 - 1/2 Mile NNE
E14	VT6000000089410	1/4 - 1/2 Mile WNW
15	VT6000000002220	1/4 - 1/2 Mile WNW
F16	VT6000000089433	1/4 - 1/2 Mile North
F17	VT6000000040361	1/4 - 1/2 Mile North
18	VT6000000040025	1/4 - 1/2 Mile North
19	VT6000000002209	1/2 - 1 Mile West
G20	VT6000000002174	1/2 - 1 Mile NNE
G21	VT6000000089438	1/2 - 1 Mile NNE
22	VT6000000089487	1/2 - 1 Mile North
H23	VT6000000089426	1/2 - 1 Mile NW
24	VT6000000002198	1/2 - 1 Mile West
H25	VT6000000002154	1/2 - 1 Mile NNW
26	VT6000000024249	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
27	VT6000000054418	1/2 - 1 Mile NW
28	VT6000000089414	1/2 - 1 Mile NNW
29	VT6000000002162	1/2 - 1 Mile NW
30	VT6000000002227	1/2 - 1 Mile WNW
31	VT6000000089485	1/2 - 1 Mile ENE
32	VT6000000089503	1/2 - 1 Mile WSW
34	VT6000000089456	1/2 - 1 Mile East
35	VT6000000019036	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 5427057.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

0 1/4 1/2 1 Miles



SITE NAME: Former Greensboro Garage
 ADDRESS: 281 Vermont Route 15 West
 Hardwick VT 05843
 LAT/LONG: 44.515892 / 72.37739

CLIENT: LE Environmental
 CONTACT: Alan Liptak
 INQUIRY #: 5427057.2s
 DATE: September 18, 2018 10:27 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
North
0 - 1/8 Mile
Higher

VT WELLS VT6000000089494

Database: Well Driller Report Database
Well Rpt #: 231
Date Completed: 1996-05-24T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 32
Overburden Thickness: 26
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: H A Manosh Corporation

Owner: Bessett
Date Received: 1996-06-12T00:00:00.000Z
Well Depth: 348
Static Water Level: 20
Casing Length: 40
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

A2
NE
0 - 1/8 Mile
Higher

VT WELLS VT6000000089418

Database: Well Driller Report Database
Well Rpt #: 48
Date Completed: 1975-11-06T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 40
Overburden Thickness: 4
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: H A Manosh Corporation

Owner: APPLEBEE
Date Received: 1976-01-22T00:00:00.000Z
Well Depth: 150
Static Water Level: 0
Casing Length: 10
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

B3
NW
1/8 - 1/4 Mile
Higher

VT WELLS VT6000000002207

Database: Well Driller Report Database
Well Rpt #: 203
Date Completed: 1992-07-15T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 15
Overburden Thickness: 4
Casing Diameter: 6

Owner: GATES
Date Received: 1992-11-24T00:00:00.000Z
Well Depth: 165
Static Water Level: 30
Casing Length: 20
Casing Material: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Liner Length:	0	Liner Diameter:	0
Liner Material:	Not Reported	Grout Type:	Not Reported
Diameter Drilled:	0	Depth Drilled:	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Water Analysis:	N	Well Screen:	N
Well Type:	Not Reported	Casing Exposed Length:	0
Depth to Liner Top:	0	Hydrofractured:	N
Seal Type:	Not Reported	Yield Tested:	0
Driller License #:	Larry Benedini		

C4
SE
1/8 - 1/4 Mile
Higher

VT WELLS VT6000000089425

Database:	Well Driller Report Database	Owner:	HARDWICK, TOWN OF
Well Rpt #:	74	Date Received:	Not Reported
Date Completed:	1968-12-17T00:00:00.000Z	Well Depth:	79
Purchaser:	Not Reported	Static Water Level:	10
Yield (Gal/min):	703	Casing Length:	39
Overburden Thickness:	49	Casing Material:	Not Reported
Casing Diameter:	24	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	Y
Water Analysis:	Y	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	Layne Christenson Co		

B5
NW
1/8 - 1/4 Mile
Higher

VT WELLS VT6000000040026

Database:	Well Driller Report Database	Owner:	Shed
Well Rpt #:	5195	Date Received:	1998-01-13T00:00:00.000Z
Date Completed:	1997-02-27T00:00:00.000Z	Well Depth:	223
Purchaser:	Town of Hardwick	Static Water Level:	20
Yield (Gal/min):	15	Casing Length:	60.3
Overburden Thickness:	15	Casing Material:	Steel
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C6
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS40001197358

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	VT-HDW 10WELL 2	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

D7
SE
1/4 - 1/2 Mile
Higher

FED USGS USGS40001197357

Organization ID:	USGS-NH		
Organization Name:	USGS New Hampshire Water Science Center		
Monitor Location:	VT-HDW 11WELL 1	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

D8
SE
1/4 - 1/2 Mile
Higher

VT WELLS VTPUB1000001426

Database:	Vermont Public Drinking Water Sources		
System Name:	HARDWICK TOWN WATER SYSTEM	System Type:	Community
System Status:	Active	Facility ID:	WL001
Facility Name:	WELL 1	Facility Status:	Active
Availability:	Permanent	Water Type:	Groundwater
Date Constructed:	1940-01-01T00:00:00.000Z	Well Type:	Gravel Well
Diameter (in):	16	Well Depth:	46 FT
Casing Depth:	36 FT	Static Water Level:	12 FT

D9
SE
1/4 - 1/2 Mile
Higher

VT WELLS VTPUB1000001427

Database:	Vermont Public Drinking Water Sources		
System Name:	HARDWICK TOWN WATER SYSTEM	System Type:	Community
System Status:	Active	Facility ID:	WL002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Name: WELL 2
Availability: Permanent
Date Constructed: 1969-01-01T00:00:00.000Z
Diameter (in): 24
Casing Depth: 39 FT

Facility Status: Active
Water Type: Groundwater
Well Type: Gravel Well
Well Depth: 49 FT
Static Water Level: Not Reported

10
North
1/4 - 1/2 Mile
Higher

VT WELLS VT6000000072509

Database: Well Driller Report Database
Well Rpt #: 32528
Date Completed: 2006-08-24T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 8
Overburden Thickness: 10
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Bedrock
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: Nick Manosh

Owner: Pasette
Date Received: 2006-09-08T00:00:00.000Z
Well Depth: 262
Static Water Level: 0
Casing Length: 40
Casing Material: Steel
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 2
Hydrofractured: N
Yield Tested: 1

E11
WNW
1/4 - 1/2 Mile
Higher

VT WELLS VT6000000079121

Database: Well Driller Report Database
Well Rpt #: 93
Date Completed: 1982-06-11T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 20
Overburden Thickness: 43
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: Daniel Gosselin

Owner: TRIPODI
Date Received: 1982-06-15T00:00:00.000Z
Well Depth: 280
Static Water Level: 0
Casing Length: 50
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F12
North
1/4 - 1/2 Mile
Higher

VT WELLS VT6000000079100

Database: Well Driller Report Database
Well Rpt #: 39
Date Completed: 1974-10-08T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 1
Overburden Thickness: 123
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: H A Manosh Corporation

Owner: GATES
Date Received: 1975-01-24T00:00:00.000Z
Well Depth: 123
Static Water Level: 0
Casing Length: 10
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

13
NNE
1/4 - 1/2 Mile
Lower

VT WELLS VT6000000079085

Database: Well Driller Report Database
Well Rpt #: 11
Date Completed: Not Reported
Purchaser: Not Reported
Yield (Gal/min): 10
Overburden Thickness: 20
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: C Johnson

Owner: GATES
Date Received: 1969-10-02T00:00:00.000Z
Well Depth: 210
Static Water Level: 15
Casing Length: 26
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

E14
WNW
1/4 - 1/2 Mile
Higher

VT WELLS VT6000000089410

Database: Well Driller Report Database
Well Rpt #: 22
Date Completed: 1973-07-27T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 2
Overburden Thickness: 12
Casing Diameter: 6

Owner: AMAIR
Date Received: 1973-08-29T00:00:00.000Z
Well Depth: 224
Static Water Level: 0
Casing Length: 17
Casing Material: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Liner Length:	0	Liner Diameter:	0
Liner Material:	Not Reported	Grout Type:	Not Reported
Diameter Drilled:	0	Depth Drilled:	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Water Analysis:	N	Well Screen:	N
Well Type:	Not Reported	Casing Exposed Length:	0
Depth to Liner Top:	0	Hydrofractured:	N
Seal Type:	Not Reported	Yield Tested:	0
Driller License #:	H A Manosh Corporation		

15
WNW
1/4 - 1/2 Mile
Higher

VT WELLS VT6000000002220

Database:	Well Driller Report Database	Owner:	HODGKINSON
Well Rpt #:	230	Date Received:	1996-05-17T00:00:00.000Z
Date Completed:	1995-05-26T00:00:00.000Z	Well Depth:	220
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	4	Casing Length:	20
Overburden Thickness:	7	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	Larry G Cushing & Sons Inc		

F16
North
1/4 - 1/2 Mile
Higher

VT WELLS VT60000000089433

Database:	Well Driller Report Database	Owner:	BETTERICK
Well Rpt #:	84	Date Received:	1980-08-07T00:00:00.000Z
Date Completed:	1980-06-23T00:00:00.000Z	Well Depth:	248
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	1	Casing Length:	37
Overburden Thickness:	22	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F17

North

1/4 - 1/2 Mile

Higher

VT WELLS

VT6000000040361

Database: Well Driller Report Database
Well Rpt #: 6320
Date Completed: 1998-06-11T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 80
Overburden Thickness: 23
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: H A Manosh Corporation

Owner: Mayo
Date Received: 1998-06-22T00:00:00.000Z
Well Depth: 374
Static Water Level: 0
Casing Length: 101
Casing Material: Steel
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

18

North

1/4 - 1/2 Mile

Higher

VT WELLS

VT6000000040025

Database: Well Driller Report Database
Well Rpt #: 5196
Date Completed: 1997-04-18T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 75
Overburden Thickness: 94
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: H A Manosh Corporation

Owner: McLane
Date Received: 1998-01-13T00:00:00.000Z
Well Depth: 123
Static Water Level: 23
Casing Length: 96.2
Casing Material: Steel
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

19

West

1/2 - 1 Mile

Higher

VT WELLS

VT6000000002209

Database: Well Driller Report Database
Well Rpt #: 217
Date Completed: 1994-10-25T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 7
Overburden Thickness: 53
Casing Diameter: 6

Owner: PARCHMENT
Date Received: 1994-11-03T00:00:00.000Z
Well Depth: 200
Static Water Level: 0
Casing Length: 60
Casing Material: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Liner Length:	0	Liner Diameter:	0
Liner Material:	Not Reported	Grout Type:	Not Reported
Diameter Drilled:	0	Depth Drilled:	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Water Analysis:	N	Well Screen:	N
Well Type:	Not Reported	Casing Exposed Length:	0
Depth to Liner Top:	0	Hydrofractured:	N
Seal Type:	Not Reported	Yield Tested:	0
Driller License #:	Richard Stromberg		

G20
NNE
1/2 - 1 Mile
Higher

VT WELLS VT6000000002174

Database:	Well Driller Report Database	Owner:	GATES
Well Rpt #:	146	Date Received:	1989-12-05T00:00:00.000Z
Date Completed:	1989-10-20T00:00:00.000Z	Well Depth:	171
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	4	Casing Length:	81
Overburden Thickness:	66	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

G21
NNE
1/2 - 1 Mile
Higher

VT WELLS VT60000000089438

Database:	Well Driller Report Database	Owner:	CURSCHMANN
Well Rpt #:	103	Date Received:	1985-02-06T00:00:00.000Z
Date Completed:	1984-10-03T00:00:00.000Z	Well Depth:	235
Purchaser:	Not Reported	Static Water Level:	16
Yield (Gal/min):	5	Casing Length:	85
Overburden Thickness:	74	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	Peter Benedine		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

22

North
1/2 - 1 Mile
Higher

VT WELLS VT6000000089487

Database:	Well Driller Report Database	Owner:	CURSHMANN
Well Rpt #:	210	Date Received:	1994-02-09T00:00:00.000Z
Date Completed:	1992-12-09T00:00:00.000Z	Well Depth:	100
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	8	Casing Length:	60
Overburden Thickness:	48	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	Larry G Cushing & Sons Inc		

H23

NW
1/2 - 1 Mile
Higher

VT WELLS VT6000000089426

Database:	Well Driller Report Database	Owner:	GATES
Well Rpt #:	75	Date Received:	1979-10-16T00:00:00.000Z
Date Completed:	1979-10-05T00:00:00.000Z	Well Depth:	198
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	0	Casing Length:	9
Overburden Thickness:	5	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

24

West
1/2 - 1 Mile
Higher

VT WELLS VT6000000002198

Database:	Well Driller Report Database	Owner:	DAVISON
Well Rpt #:	194	Date Received:	1992-10-26T00:00:00.000Z
Date Completed:	1992-10-09T00:00:00.000Z	Well Depth:	365
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	2	Casing Length:	20
Overburden Thickness:	5	Casing Material:	Not Reported
Casing Diameter:	6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Liner Length:	0	Liner Diameter:	0
Liner Material:	Not Reported	Grout Type:	Not Reported
Diameter Drilled:	0	Depth Drilled:	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Water Analysis:	N	Well Screen:	N
Well Type:	Not Reported	Casing Exposed Length:	0
Depth to Liner Top:	0	Hydrofractured:	N
Seal Type:	Not Reported	Yield Tested:	0
Driller License #:	H A Manosh Corporation		

H25
NNW
1/2 - 1 Mile
Higher

VT WELLS VT6000000002154

Database:	Well Driller Report Database	Owner:	BLAIR
Well Rpt #:	114	Date Received:	1986-01-10T00:00:00.000Z
Date Completed:	1985-10-30T00:00:00.000Z	Well Depth:	97
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	40	Casing Length:	40
Overburden Thickness:	19	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

26
West
1/2 - 1 Mile
Higher

VT WELLS VT60000000024249

Database:	Well Driller Report Database	Owner:	McAllister
Well Rpt #:	13438	Date Received:	2001-02-27T00:00:00.000Z
Date Completed:	1999-09-24T00:00:00.000Z	Well Depth:	349
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	12	Casing Length:	35
Overburden Thickness:	28	Casing Material:	Steel
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	2
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	1.500000
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

27
NW
1/2 - 1 Mile
Higher

VT WELLS VT6000000054418

Database: Well Driller Report Database
Well Rpt #: 22073
Date Completed: 2003-04-14T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 20
Overburden Thickness: 21
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Bedrock
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: Nick Manosh

Owner: Tom Wood Builders
Date Received: 2005-09-20T00:00:00.000Z
Well Depth: 148
Static Water Level: 0
Casing Length: 30
Casing Material: Steel
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 2
Hydrofractured: N
Yield Tested: 0.5

28
NNW
1/2 - 1 Mile
Higher

VT WELLS VT6000000089414

Database: Well Driller Report Database
Well Rpt #: 28
Date Completed: 1973-10-03T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 3
Overburden Thickness: 19
Casing Diameter: 6
Liner Length: 0
Liner Material: Not Reported
Diameter Drilled: 0
Screen Make: Not Reported
Water Analysis: N
Well Type: Not Reported
Depth to Liner Top: 0
Seal Type: Not Reported
Driller License #: C Johnson

Owner: GATES
Date Received: 1973-12-06T00:00:00.000Z
Well Depth: 235
Static Water Level: 18
Casing Length: 19
Casing Material: Not Reported
Liner Diameter: 0
Grout Type: Not Reported
Depth Drilled: 0
Screen Material: Not Reported
Well Screen: N
Casing Exposed Length: 0
Hydrofractured: N
Yield Tested: 0

29
NW
1/2 - 1 Mile
Higher

VT WELLS VT6000000002162

Database: Well Driller Report Database
Well Rpt #: 122
Date Completed: 1987-08-24T00:00:00.000Z
Purchaser: Not Reported
Yield (Gal/min): 6
Overburden Thickness: 6
Casing Diameter: 6

Owner: KUHLETHAU
Date Received: 1988-01-22T00:00:00.000Z
Well Depth: 205
Static Water Level: 15
Casing Length: 20
Casing Material: Not Reported

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Liner Length:	0	Liner Diameter:	0
Liner Material:	Not Reported	Grout Type:	Not Reported
Diameter Drilled:	0	Depth Drilled:	0
Screen Make:	Not Reported	Screen Material:	Not Reported
Water Analysis:	N	Well Screen:	N
Well Type:	Not Reported	Casing Exposed Length:	0
Depth to Liner Top:	0	Hydrofractured:	N
Seal Type:	Not Reported	Yield Tested:	0
Driller License #:	A. Richard Purchase		

30
WNW
1/2 - 1 Mile
Higher

VT WELLS VT6000000002227

Database:	Well Driller Report Database	Owner:	Davison
Well Rpt #:	4151	Date Received:	1997-09-09T00:00:00.000Z
Date Completed:	1997-05-01T00:00:00.000Z	Well Depth:	198
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	4	Casing Length:	40
Overburden Thickness:	21	Casing Material:	Steel
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

31
ENE
1/2 - 1 Mile
Higher

VT WELLS VT60000000089485

Database:	Well Driller Report Database	Owner:	SHEPARD
Well Rpt #:	208	Date Received:	1993-11-15T00:00:00.000Z
Date Completed:	1993-10-25T00:00:00.000Z	Well Depth:	398
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	30	Casing Length:	45
Overburden Thickness:	27	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

32
WSW
1/2 - 1 Mile
Higher

VT WELLS VT6000000089503

Database:	Well Driller Report Database	Owner:	MCALLISTEN
Well Rpt #:	2637	Date Received:	1996-12-12T00:00:00.000Z
Date Completed:	1996-11-20T00:00:00.000Z	Well Depth:	524
Purchaser:	Not Reported	Static Water Level:	15
Yield (Gal/min):	10	Casing Length:	40
Overburden Thickness:	22	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

33
SSE
1/2 - 1 Mile
Higher

FRDS PWS VT0005039

Epa region:	01	State:	VT
Pwsid:	VT0005039	Pwsname:	HARDWICK TOWN WATER SYSTEM
Cityserved:	Not Reported	Stateserved:	VT
Ziperved:	Not Reported	Fipscounty:	50005
Status:	Active	Retpopsrvd:	1900
Pwssvconn:	803	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JEWETT, JOHN	Contactorgname:	JEWETT, JOHN
Contactphone:	802-472-6120	Contactaddress1:	Not Reported
Contactaddress2:	PO BOX 523	Contactcity:	HARDWICK
Contactstate:	VT	Contactzip:	05843
Pwsactivitycode:	A		
Pwsid:	VT0005039	Facid:	1143
Facname:	TREATMENT PLANT 1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
PWS ID:	VT0005039	PWS name:	HARDWICK TOWN WATER SYSTEM
Address:	Not Reported	Care of:	Not Reported
City:	HARDWICK	State:	VT
Zip:	058430000	Owner:	HARDWICK TOWN WATER SYSTEM
Source code:	Ground water	Population:	1500
PWS ID:	VT0005039	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	HARDWICK TOWN WATER SYSTEM
PWS type code:	C	Retail population served:	1900
Contact:	HARDWICK SELECTMEN, CHAIR	Contact address:	PO BOX 523
Contact address:	HARDWICK	Contact city:	VT

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Contact state:	05	Contact zip:	Not Reported
Contact telephone:	Not Reported		
PWS ID:	VT0005039	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00001800	System name:	HARDWICK TOWN WATER SYSTEM
System address:	Not Reported	System city:	HARDWICK
System state:	VT	System zip:	05843
Population served:	1,001 - 2,500 Persons	Treatment:	Untreated
Latitude:	443016	Longitude:	0722206
Violation id:	1015201	Orig code:	S
State:	VT	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2001
Cmp edt:	05/31/2001		
Violation id:	1015306	Orig code:	S
State:	VT	Violation Year:	2005
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2005
Cmp edt:	08/31/2005		
Violation id:	1015307	Orig code:	S
State:	VT	Violation Year:	2011
Contamination code:	1028	Contamination Name:	Iron
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2011
Cmp edt:	06/30/2011		
Violation id:	1015308	Orig code:	S
State:	VT	Violation Year:	2011
Contamination code:	1032	Contamination Name:	Manganese
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2011
Cmp edt:	06/30/2011		
Violation id:	2843901	Orig code:	S
State:	VT	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	05/01/2001
Cmp edt:	05/31/2001		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00

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Enforcement Action:	SFH		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00
Enforcement Action:	SIA		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00
Enforcement Action:	SIE		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/8/2001 0:00:00
Enforcement Action:	SIF		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00
Enforcement Action:	SFH		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00
Enforcement Action:	SIA		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/1/2001 0:00:00
Enforcement Action:	SIE		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	5/1/2001 0:00:00	Compliance End:	5/31/2001 0:00:00
Violation ID:	1015201	Enforcement Date:	6/8/2001 0:00:00
Enforcement Action:	SIF		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/31/2005 0:00:00
Enforcement Action:	SIF		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/17/2005 0:00:00
Enforcement Action:	SIE		
System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/17/2005 0:00:00
Enforcement Action:	SIA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/17/2005 0:00:00
Enforcement Action:	SIE		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/31/2005 0:00:00
Enforcement Action:	SIF		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	8/1/2005 0:00:00	Compliance End:	8/31/2005 0:00:00
Violation ID:	1015306	Enforcement Date:	10/17/2005 0:00:00
Enforcement Action:	SIA		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	1995-01-01	Compliance End:	1995-01-31
Violation ID:	9505138	Enforcement Date:	1995-02-01
Enforcement Action:	SIA		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	24	Contaminant:	3100
Compliance Begin:	1995-01-01	Compliance End:	1995-01-31
Violation ID:	9505138	Enforcement Date:	1995-02-01
Enforcement Action:	SIE		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	1995-08-01	Compliance End:	1995-08-31
Violation ID:	9505341	Enforcement Date:	1995-09-01
Enforcement Action:	SIA		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	1995-08-01	Compliance End:	1995-08-31
Violation ID:	9505341	Enforcement Date:	1995-09-01
Enforcement Action:	SIE		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	1995-08-01	Compliance End:	1995-08-31
Violation ID:	9505341	Enforcement Date:	1995-10-01
Enforcement Action:	SIF		

System Name:	HARDWICK TOWN WATER SYSTEM		
Violation Type:	22	Contaminant:	3100
Compliance Begin:	1998-09-01	Compliance End:	1998-09-30
Violation ID:	98007049	Enforcement Date:	Not Reported
Enforcement Action:	Not Reported		

Violation ID:	1015201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	06/01/2001
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	1015201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	06/01/2001
Enforcement Detail:	St Public Notif requested		
		Enforcement Category:	Informal

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Violation ID:	1015201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	06/01/2001
Enforcement Detail:	St Boil Water Order	Enforcement Category:	Informal
Violation ID:	1015201	Orig Code:	S
Enforcement FY:	2001	Enforcement Action:	06/08/2001
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1015306	Orig Code:	S
Enforcement FY:	2010	Enforcement Action:	01/29/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1015306	Orig Code:	S
Enforcement FY:	2006	Enforcement Action:	10/17/2005
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1015306	Orig Code:	S
Enforcement FY:	2006	Enforcement Action:	10/17/2005
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1015306	Orig Code:	S
Enforcement FY:	2006	Enforcement Action:	10/31/2005
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	05/02/2012
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Other	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Tech Assistance Visit	Enforcement Category:	Informal
Violation ID:	1015307	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	11/21/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1015308	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	11/21/2011
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1015308	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1015308	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Other	Enforcement Category:	Informal
Violation ID:	1015308	Orig Code:	S

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Tech Assistance Visit	Enforcement Category:	Informal
Violation ID:	1015308	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	05/02/2012
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1015308	Orig Code:	S
Enforcement FY:	2012	Enforcement Action:	10/26/2011
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015201	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2001 0:00:00	Compliance end date:	5/31/2001 0:00:00
Enforcement date:	6/1/2001 0:00:00	Enforcement action:	State Boil Water Order
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015201	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2001 0:00:00	Compliance end date:	5/31/2001 0:00:00
Enforcement date:	6/1/2001 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015201	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2001 0:00:00	Compliance end date:	5/31/2001 0:00:00
Enforcement date:	6/1/2001 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015201	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	5/1/2001 0:00:00	Compliance end date:	5/31/2001 0:00:00
Enforcement date:	6/8/2001 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015306	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	8/1/2005 0:00:00	Compliance end date:	8/31/2005 0:00:00
Enforcement date:	10/17/2005 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015306	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	8/1/2005 0:00:00	Compliance end date:	8/31/2005 0:00:00
Enforcement date:	10/17/2005 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	HARDWICK TOWN WATER SYSTEM		
Population served:	1900	PWS type code:	C
Violation ID:	1015306	Contaminant:	COLIFORM (TCR)

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation type:	Monitoring, Routine Minor (TCR)	Compliance end date:	8/31/2005 0:00:00
Compliance start date:	8/1/2005 0:00:00	Enforcement action:	State Public Notif Received
Enforcement date:	10/31/2005 0:00:00		
Violation measurement:	Not Reported		

34
East
1/2 - 1 Mile
Higher

VT WELLS VT6000000089456

Database:	Well Driller Report Database	Owner:	DROWN
Well Rpt #:	136	Date Received:	1988-12-20T00:00:00.000Z
Date Completed:	1988-03-08T00:00:00.000Z	Well Depth:	398
Purchaser:	Not Reported	Static Water Level:	0
Yield (Gal/min):	1	Casing Length:	20
Overburden Thickness:	5	Casing Material:	Not Reported
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	0
Diameter Drilled:	0	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	H A Manosh Corporation		

35
NW
1/2 - 1 Mile
Higher

VT WELLS VT6000000019036

Database:	Well Driller Report Database	Owner:	Colburn
Well Rpt #:	7276	Date Received:	1998-11-04T00:00:00.000Z
Date Completed:	1998-10-17T00:00:00.000Z	Well Depth:	200
Purchaser:	Not Reported	Static Water Level:	22
Yield (Gal/min):	3	Casing Length:	50
Overburden Thickness:	37	Casing Material:	Steel
Casing Diameter:	6	Liner Diameter:	0
Liner Length:	0	Grout Type:	Not Reported
Liner Material:	Not Reported	Depth Drilled:	11
Diameter Drilled:	8.75	Screen Material:	Not Reported
Screen Make:	Not Reported	Well Screen:	N
Water Analysis:	N	Casing Exposed Length:	0
Well Type:	Not Reported	Hydrofractured:	N
Depth to Liner Top:	0	Yield Tested:	0
Seal Type:	Not Reported		
Driller License #:	Larry G Cushing & Sons Inc		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: VT Radon

Radon Test Results

City	# Tests	Avg Result	Std Dev	Min	Max
LYNDON	179	2.8	3.9	0.4	39.1
PEACHAM	45	3.0	4.6	0.5	27.4
SHEFFIELD	23	6.7	9.8	0.5	40.0
SUTTON	24	4.2	3.6	0.8	13.5
BARNET	86	1.5	1.1	0.4	5.6
DANVILLE	98	2.5	2.8	0.3	17.3
GROTON	22	4.1	4.2	0.6	17.3
HARDWICK	45	2.0	2.8	0.4	16.3
NEWARK	14	2.9	2.3	0.4	7.5
RYEGATE	31	1.7	1.3	0.2	6.2
ST. JOHNSBURY	340	2.8	3.2	0.1	32.6
WALDEN	17	1.8	1.1	0.3	4.5
WATERFORD	45	3.2	3.1	0.2	12.8
WHEELOCK	33	4.4	6.0	0.3	21.1

Federal EPA Radon Zone for CALEDONIA County: 2

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

Federal Area Radon Information for Zip Code: 05843

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.050 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.333 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: VT Center for Geographic Information

Telephone: 802-882-3001

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Vermont Public Drinking Water Sources

Source: ANR, Water Supply Division

Telephone: 802-241-3406

OTHER STATE DATABASE INFORMATION

RADON

State Database: VT Radon

Source: Department of Health

Telephone: 802-865-7200

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Phase I ESA and Tier 1 VES Report
281 Vermont Route 15 West, Hardwick, Vermont

APPENDIX G

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

ROSS ENVIRONMENTAL ASSOCIATES, INC.

Hydrogeology, Water Quality, GIS Planning, Remediation, Regulatory
Compliance & Permitting, Environmental Site Assessments, Petroleum
Investigations, and Radon Sampling



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**281 VT Route 15
Hardwick, Vermont 05843**

Site Coordinates: 44° 30' 58" North, 72° 22' 41" West

Transmittal Date: 22 September 2017

Prepared For:

Mr. Andrew Meyer
1781 Group, LLC.
andrew@vermontnaturalcoatings.com

Prepared By:

**Ross Environmental Associates, Inc.
P.O. Box 1533
Stowe, Vermont 05672
Phone: (802) 253-4280
Fax: (802) 253-4258**

R.E.A. Project No. 37-070

Prepared by:

A handwritten signature in black ink, appearing to read "Jim C. Rose".

Jim Rose
Senior Environmental Scientist &
Environmental Professional
(Site Inspector & Primary Author)

Reviewed by:

A handwritten signature in black ink, appearing to read "Robert J. Ross".

Robert J. Ross
Principal Hydrogeologist &
Environmental Professional

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1.0 EXECUTIVE SUMMARY

The 1781 Group, LLC. retained the services of Ross Environmental Associates, Inc. (***R.E.A.***) to conduct a Phase I Environmental Site Assessment (ESA) of the ±4.0 acre property located at 281 VT Route 15 in the town of Hardwick, Vermont, subsequently referred to in this report as the “subject property”. The ESA was prepared in accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-13). The subject property is currently owned by 281 VT Route 15W, LLC. who has operated an automotive garage, Greensboro Garage, on the subject property since 1988. The ESA was requested as a due diligence component related to a pending property transaction. reported redevelopment plans for the property include use as a local welcome center/community space.

Based on a review of available historical information and a summary of historical site use provided by the current owner, the subject property is estimated to have been developed sometime in the early 1900’s for agricultural purposes. The dairy barn building was built sometime prior the 1950’s and was used for agricultural purposes. Following dairy operations, the subject property was used as an equipment storage and maintenance facility for a local excavating business, and for storage of building products by a demo contractor. More recently the property was utilized as commercial car dealership, auto body and automotive repair facility. Those operations were continued by the current owner since he took ownership in 1988. No other significant changes are known to have been made to the on-site building or the subject property since its construction.

On 22 August 2017, ***R.E.A.*** conducted a site reconnaissance of the subject property. The site reconnaissance revealed that site operations have ceased while the owners prepare the property for resale. Evidence of oil and hazardous materials (OHM) use and storage related to its operation as an automotive garage was noted within the barn. One floor drain, which was sealed in 2016, and one sloop sink are located in the main auto garage area in the barn. Several pieces of solid waste and empty containers of hazardous substance/petroleum product containers were noted under the open air shed building.

Several nearby listed environmental hazards were revealed within the applicable search radii during the database/records review; however, the sites are not likely to pose a threat to the subsurface conditions of the subject property based upon the current regulatory status of the sites, the characteristics of the contaminants present, and subsurface migration of the identified contaminants towards the subject property is unlikely given the reported local groundwater flow at the site. No other adjoining or nearby site uses are expected to impact the environmental quality of the subject property.

The results of Phase I ESA process revealed evidence of one (1) recognized environmental condition, and two (2) business environmental risks (BERs) in connection with the subject property. in relation to the subject property. A summary of the findings are outlined in the table below. Based on the findings, opinion, and conclusions of this ESA, no further work is recommended at this time.

1.1 Summary of Findings

The results of Phase I ESA process at the subject property revealed the following findings that are relevant to the environmental conditions on the subject property:

<u>Finding</u>	<u>REC or Other Type?</u>	<u>Comments</u>
Threat of a historical release on-site (historical site use and presence of floor drain/slop sink)	Yes	Historical site use includes over 30 years of use as an automotive garage with some auto body work and general equipment maintenance. One floor drain, which was sealed in 2016, and one slop sink is located in the main auto garage area in the barn.
Nearby Listed Environmental Hazards	No	The Lamoille Valley Ford property located to the north and the Hardwick Wastewater Treatment Plant located to the south of the subject property are both listed as state hazardous sites.
Historical Railroad adjoining the Subject Property	No	The railroad tracks located on the adjoining property to the south of the subject property are part of the active rail line owned by former Lamoille Valley Railroad. There is no evidence to suggest that a release of hazardous materials and petroleum products occurred on the subject property or the adjoining property as a result of the operation of this railroad.
Petroleum AST On-Site	No	(1) 275-gallon ASTs that stored waste oil used for heating purposes is located in the main shop area of the barn building. The AST appeared to be in good condition at the time of the site reconnaissance. Evidence of petroleum staining was observed beneath the AST and in the vicinity of the fill/vent pipe on top of the AST.
Solid Waste	BER	A fair amount of solid waste (tires, car parts, empty containers) were noted in the storage areas of the barn building and outside under the open air barn/shed structure.
Hazardous substance and petroleum products use and storage	BER	Evidence of oil and hazardous materials (OHM) use and storage was noted on site. In addition to the 275-gallon AST inside the barn, several areas of hazardous waste storage were noted. The house keeping in these areas was mostly good; however, some visible staining on the floor and open containers of oil were noted. Several empty 55-gallon drums and smaller containers of hazardous substances and petroleum products were noted beneath the open air barn/shed structure located to the south of the barn.

1.2 Opinion

Threat of a Historical Release On-Site

Historical site use includes over 30 years of use as an automotive garage with some auto body work and general heavy equipment maintenance. One floor drain, which was sealed in 2016, and one slop sink are located in the main auto garage area in the barn. Additionally, one significant crack was noted in a low spot of the concrete floor inside the barn and appeared to discharge outside. Given the lengthy automotive maintenance site use history and likely use and storage of petroleum product and hazardous substances within the barn building during these operations, the floor drain, slop sink, and crack provide a potential pathway for contaminants to enter the subsurface. The floor drain was observed to be sealed during the site reconnaissance and the house keeping was noted to be mostly good; however, some visible staining on the floor and open containers of oil were noted. It is unknown whether any petroleum products and/or hazardous substances have historically been released to subsurface via the floor drain or the slop sink. Prior to be sealed, the floor drain is reported to have historically daylighted to a drainage ditch downgradient of and to the south of the open air barn/shed structure. The slop sink is reported to discharge to the onsite septic system. **R.E.A. is of the opinion that the based on the historical site use within the barn building, the presence of the floor drain/slop sink/floor crack have the potential to pose a threat to the subsurface conditions of the subject property based upon the use/storage of hazardous substances and/or petroleum products in the building. As such, in the opinion of the Environmental Professional, this finding constitutes a REC. Further assessment would be required to determine whether the presence of the floor drain/slop sink/floor crack have resulted in a release of petroleum products or hazardous substances to the subsurface.**

Nearby Listed Environmental Hazards

The Lamoille Valley Ford property located at 222 VT Route 15 to the north of the subject property and is listed as an active state hazardous site (SMS# 962091) and active State UST facility (Facility ID# 4725967). According to the VT DEC Hazardous Site List database the property is listed as a low priority site with contamination to soils or groundwater but no effect on sensitive receptors. Site investigative efforts were initiated following the detection of subsurface petroleum impacts during the 1996 replacement of a gasoline underground storage tank (UST) system. Regional groundwater at the property has been monitored since 1997 via a onsite monitoring well network. The site is currently on an annual monitoring schedule and to date there are no known impacted sensitive receptors. Based on the most recent (June 2015) Site Status Report provided by the VT DEC and developed by KAS, Inc. contaminant levels at the site are stable and/or declining and the contaminant plume is isolated to the immediate vicinity of the source area.

The Hardwick Treatment Plant is located at 107 Treatment Plant Road and to the south of the subject property and is listed as closed state hazardous site (SMS# 972221) with a Sites Management Activities Complete (SMAC) designation. Low levels of petroleum contamination were noted during the removal of two #2 heating oil USTs in 1997. A follow up site investigation revealed no presence of petroleum contamination in soils or groundwater beneath the site and minimal risk to nearby sensitive receptors.

R.E.A. is of the opinion that the proximity of these sites are not likely to pose a threat to the subsurface conditions of the subject property based upon the current regulatory

status of the sites, the characteristics of the contaminants present, and subsurface migration of the identified contaminants towards the subject property is unlikely given the reported groundwater flow is away from the subject property. As such, in the opinion of the Environmental Professional, the location of these sites in proximity to the subject property does not constitute a REC.

Historical Railroad adjoining the Subject Property

According to onsite observations and historical records, the railroad tracks and R.O.W. located on the adjoining property to the south making up the southern property boundary are part of the former rail line owned by former Lamoille Valley Railroad. The railroad corridor appeared to run in a east-west direction, parallel to and forming the southern boundary of the subject property. **There is no evidence to suggest that a release of hazardous materials and petroleum products occurred on the subject property or the adjoining property as a result of the operation of this railroad. Therefore, in the opinion of the Environmental Professional this finding does not rise to the level of a recognized environmental condition.**

Petroleum AST On-Site

One(1) 275-gallon ASTs that stores waste oil for heating purposes is located in the main shop area of the barn building. The AST appeared to be in good condition at the time of the site reconnaissance. Evidence of minimal petroleum staining was observed beneath the AST and in the vicinity of the fill/vent pipe on top of the AST. **In the opinion of the Environmental Professional, while the house keeping practices related to the filling of AST were lacking, the AST system, as observed, does not present a material threat of a release of petroleum products to the subject property and this finding does not rise to the level of an REC.**

Solid Waste

A fair amount of solid waste (tires, car parts, empty containers) were noted in the storage areas of the barn building and outside under the open air barn/shed structure. Several empty 55-gallon drums and smaller containers of hazardous substances and petroleum products were noted beneath the open air barn/shed structure located to the south of the barn. Several areas of used tires were also noted on the property. Mr. Meyer indicated the waste was scheduled to be removed pending the transaction of the property **Based on observations during the site reconnaissance none of the areas of solid waste appeared to be indicative of a release of hazardous materials or petroleum products to the subject property. Therefore, in the opinion of the Environmental Professional this finding does not rise to the level of a recognized environmental condition. The presence of the waste presents a risk which can have material environmental or environmentally-driven impact (disposal costs) on the business associated with the planned use of the subject property, and is therefore considered a business environmental risk (BER).**

Hazardous substance and petroleum products use and storage

Evidence of oil and hazardous materials (OHM) use and storage was noted on site. In addition to the 275-gallon AST inside the barn, several areas of hazardous waste storage were noted. The house keeping in these areas was mostly good with a majority of products labeled and contained in their original containers; however, some visible staining on the floor and open containers of oil were noted in the garage area. **Based on observations during the site reconnaissance**

none of the areas of OHM storage appeared to be indicative of a release of hazardous materials or petroleum products to the subject property. Since the containers appeared to be in good condition, and were stored indoors, they did not present a condition of a potential release, and their presence is therefore not considered a REC. However, their presence presents a risk which can have material environmental or environmentally-driven impact (disposal costs) on the business associated with the planned use of the subject property, and is therefore considered a business environmental risk (BER).

1.3 Conclusions

R.E.A. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 281 VT Route 15, Hardwick, Vermont, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 2.0 and 11.0 of this report. **This assessment has revealed evidence of one (1) recognized environmental condition, two (2) business environmental risks (BERs) in connection with the subject property.**

1.4 Recommendations

R.E.A. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-13 of the property located at 281 VT Route 15, Hardwick, Vermont the *subject property*. Based on the findings, opinion, and conclusions of this ESA, **R.E.A.** offers the following recommendations:

1. **Threat of a historical release on-site (historical site use and presence of floor drain/slop sink)** – The drain located in the primary garage bay and crack in the concrete floor have historically provided a potential pathway for contaminants to possibly enter the subsurface environment in the event of a release of substances stored in the vicinity of the drain. The primary concern is related to the former uses of the property/drain, as it is not known if the presence of the drain contributed to the transport of petroleum products/hazardous substances to the subsurface. Given the lack of information regarding the history of the drain, additional sub-surface investigation into the potential release of petroleum products or hazardous substances at the site is recommended. A soil boring/test pitting program is recommended prior to redevelopment to better characterize the extent (if any) of any subsurface contamination related to the presence/use of the drain.

Additionally, in order to confirm that the on-site septic system was not historically used for process rinse water disposal or for other petroleum or chemical disposal, the septic tank should be located and its contents should be sampled for the possible presence of volatile organic compounds and metals.

2. **Hazardous substance and petroleum products use and storage** – Any OHM storage containers on the subject property should be removed and disposed of in accordance with applicable state and federal laws.
3. **Solid Waste and Used Tires** – The solid waste and used tires located on the subject property should be disposed of in accordance with applicable state and federal laws.

ROSS ENVIRONMENTAL ASSOCIATES, INC.

Hydrogeology, Water Quality, GIS Planning, Remediation,
Contaminant Fate & Transport, Regulatory Compliance and
Permitting, Environmental Site Assessments, and Radon Sampling



9 January 2018

Mr. Andrew Meyer
1781 Group, LLC.
andrew@vermontnaturalcoatings.com

RE: *Septic Tank and Soil Sampling & Analysis*

Former Greensboro Garage/Yellow Barn – 281 VT Route 15 – Hardwick, Vermont

Dear Mr. Meyer:

In September 2017, Ross Environmental Associates, Inc. (**R.E.A.**) completed a Phase I Environmental Site Assessment (ESA) at 281 VT Route 15 (subject property) in Hardwick, Vermont (**Figure 1**, Attachment A). During the site visit, the threat of a historical release was identified based on the historical site use of the property (automotive garage, auto body, heavy equipment maintenance repair) and the presence of a floor drain and sloop sink on the property, which were identified as "Recognized Environmental Conditions (RECs)". Based on this information, **R.E.A.** recommended the collection and laboratory analysis of samples from the outfall of the floor drain, soil samples from exploratory test pits and an effluent sample from the former septic tank. All work was conducted in accordance with industry standards and Vermont Department of Environmental Conservation (VT DEC) guidelines.

The approximate sample locations are shown on **Figure 2**, the tabulated laboratory analytical results (**Tables 1, 2 & 3**) are included in Attachment A, photographs taken during the site visit are included in Attachment B; and the laboratory reports are included in Attachment C.

Summary of Findings

- No volatile organic compounds (VOCs) were detected in the septic tank or any of the soil samples, except for low concentrations of methylene chloride in two of the soil samples [TP-4 at 130 micrograms per kilogram ($\mu\text{g}/\text{Kg}$) and TP-5 at 54 mg/Kg]. Methylene chloride is a common component of automotive products, but is also a common solvent used by laboratories. The presence of methylene chloride without the detection of other VOCs is not indicative of an environmental release. The laboratory results for VOCs are summarized on **Table 1**.
- No polychlorinated biphenyls (PCBs) were detected in the sample collected from the septic tank or soil sample collected near the floor drain outfall. The laboratory results for PCBs are summarized on **Table 2**.
- Arsenic, cadmium, chromium, lead and mercury were detected in the septic tank sample at concentrations of 14, 22, 41.2, 200 and 0.325 micrograms per liter ($\mu\text{g}/\text{L}$), respectively. The septic tank effluent results were compared to the Vermont Groundwater Enforcement Standards (VGESs). Based on this comparison, the VGESs for arsenic, cadmium and lead were exceeded in the septic tank sample; however, there is no Vermont standard for septic tank effluent. The laboratory results for the effluent sample are summarized on **Table 3**.

- Arsenic was detected at 15.3 milligrams per kilogram (mg/Kg) in the soil sample collected near the floor drain outfall (Outfall), which is above the US EPA soil screening value (SSV) for arsenic in an industrial setting. However, the arsenic concentration is below the value established for background concentrations in Vermont. Lead was detected at 44.6 mg/Kg, which is above the Vermont background level for a rural setting but below the Vermont background level for an urban setting. Barium, and chromium were also detected in the soil sample collected near the floor drain outfall (Outfall), but at concentrations below the corresponding SSVs for an industrial setting. The laboratory data for soil metal results are summarized on **Table 3**.
- PID readings on soil samples collected during the test pit excavation were all 0.0 parts per million (ppm). In addition, no unusual odors or staining were observed in any of the test pits or near the floor drain outfall.

Conclusions and Recommendations

No Vermont action levels or standards were exceeded for the septic tank effluent or soil samples collected during this assessment. The concentrations of arsenic, cadmium and lead detected in the septic tank sample did exceed the VGESs; however, there is no standard for septic tank effluent. The absence of VOCs and PCBs in the septic tank sample suggests the former septic system was not a significant threat to the subsurface environment. Based on these sample results and field observations, no further work is recommended at this time.

Field Investigation

On 16 October 2017, **R.E.A.** personnel collected a liquid sample (tank) from the former septic tank located on the west side of the building. In addition, one soil sample was collected from the area of the floor drain outfall (Outfall) and one soil sample was collected beneath the floor drain pipe where it exited the building (SS-1).

Five exploratory test pits (TP-1 through TP-5) were completed on the property in the vicinity of the former dry well and septic tank. Soil consisted primarily of brown fine to medium sand to a depth of four feet below grade. Soil samples for laboratory analysis were collected from test pits TP-2, TP-4 and TP-5. Soil samples from the test pits were screened for the possible presence of VOCs with a photo-ionization detector (PID). PID readings on all soil samples were 0.0 parts per million (ppm) and no unusual odors or staining were observed. A summary of the PID readings and field observations for each sample location is included on **Table 1**.

The septic tank sample was collected using a clean polyethylene tubing and a peristaltic pump, which was used to fill the appropriate sample containers. The effluent sample was analyzed for the possible presence of VOCs in accordance with EPA Method 8260, PCBs, and RCRA 8 metals. All of the soil samples were analyzed for the possible presence of volatile organic compounds (VOCs) in accordance with EPA Method 8260. In addition, the soil sample collected near the floor drain outfall (Outfall) was analyzed for the possible presence of PCBs and RCRA 8 metals. The samples were transported in an ice-filled cooler under chain-of-custody to AMRO Environmental Laboratories of Merrimack, New Hampshire for laboratory analysis.

Limitations

The work was undertaken to assess environmental conditions specifically on the subject property in accordance with generally accepted engineering and hydrogeological practices. No other warranty, express or implied, is made. Absolute assurance that any and all possible contamination at the site was identified cannot be provided. In addition, no lead paint assessment, mold testing, asbestos survey, or radon testing was completed as part of this assessment.

The report conclusions are based, in part, on information provided by the client, their agents, or third parties, including state or local officials. *R.E.A.* assumes no responsibility for the accuracy and completeness of the information. Where visual observations are included in the report, they represent conditions at the time of the inspection, and may not be indicative of past or future site conditions.

Please call me if you have any questions or comments regarding this report.

Sincerely,

Ross Environmental Associates, Inc.

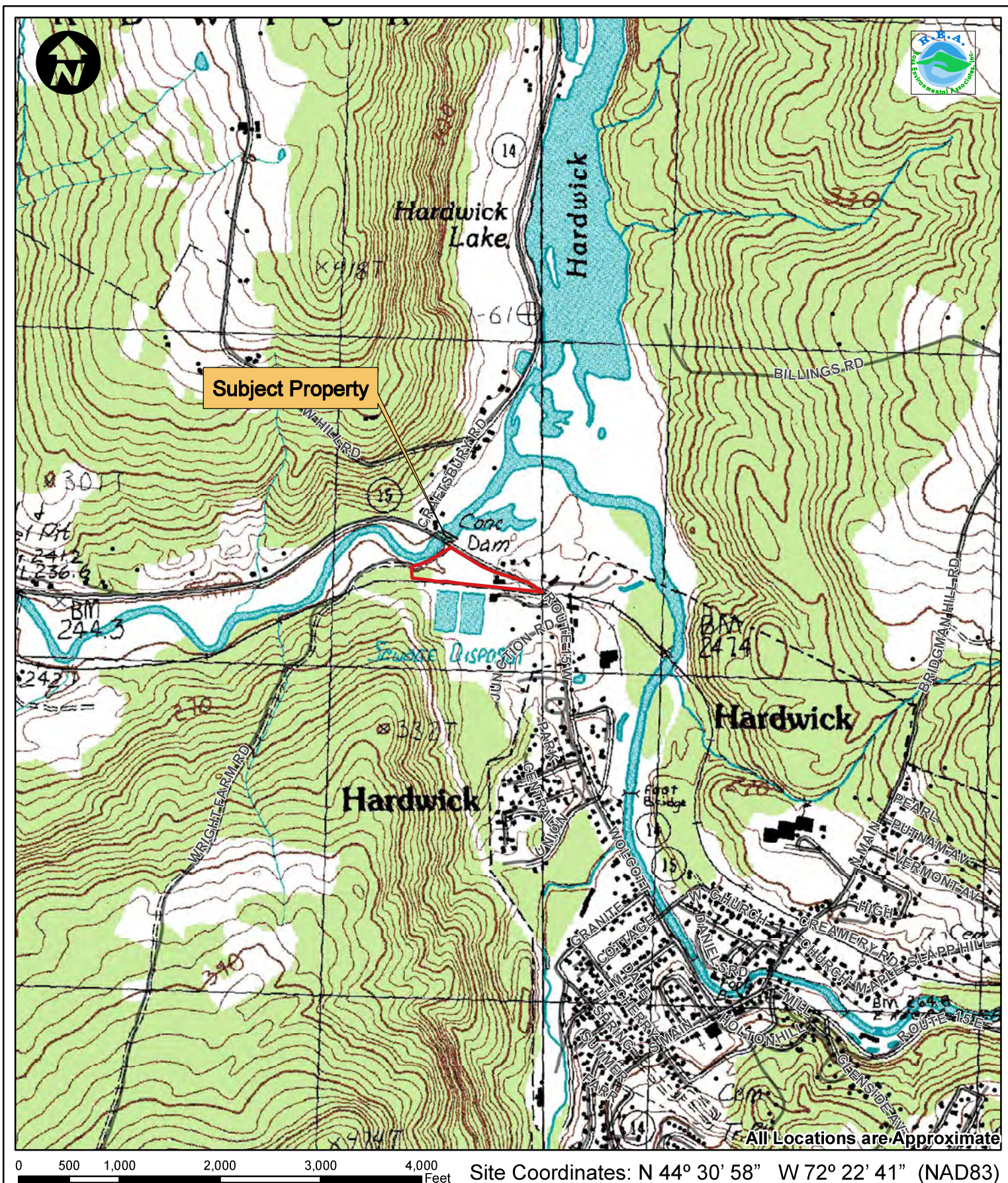
A handwritten signature in dark ink, appearing to read 'RJR', is positioned above the printed name.

Robert J. Ross, CGWP
Principal Hydrogeologist

Attachments:

SITE FIGURES AND TABLES

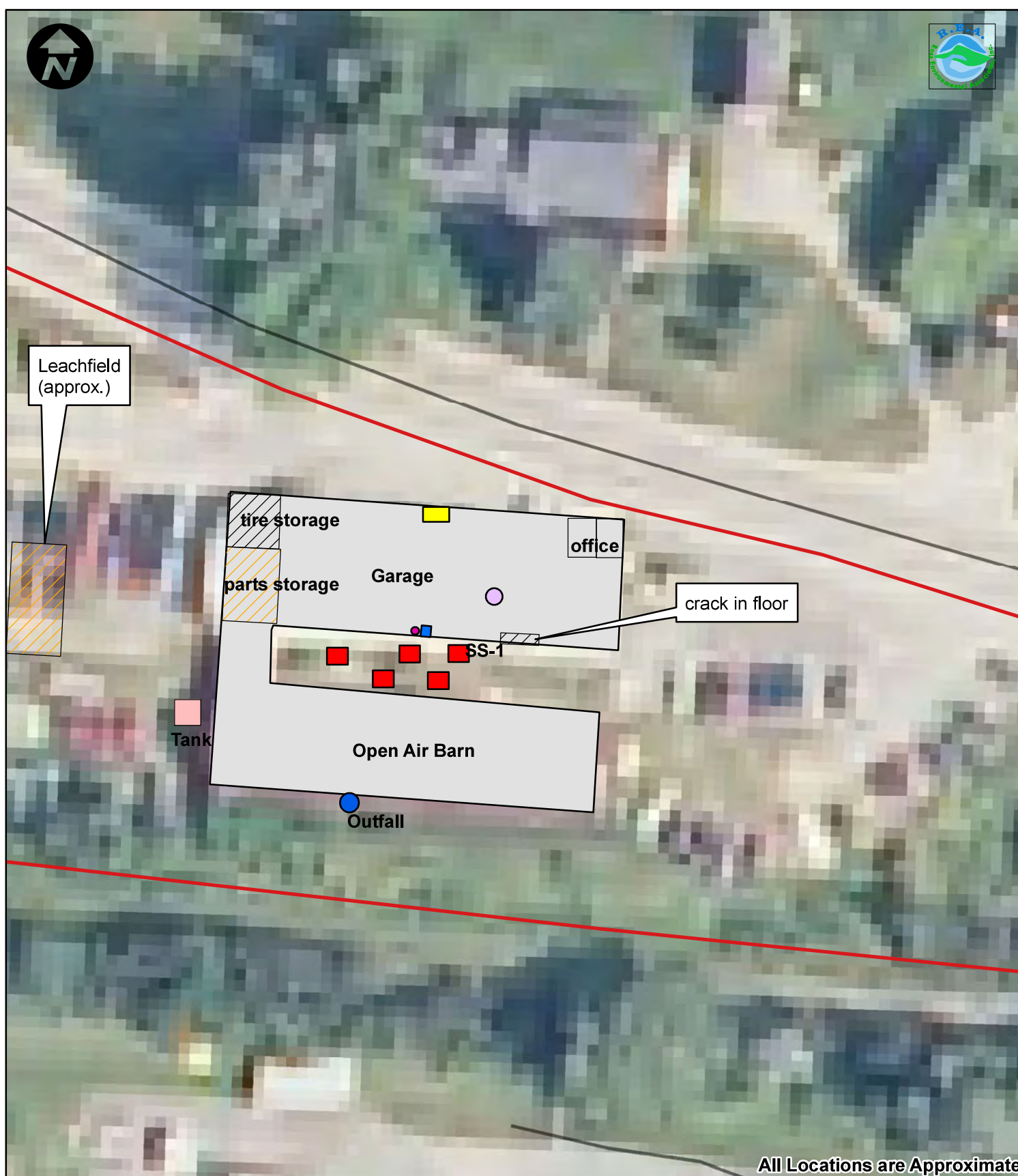
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Subject Property

USGS: Wolcott, Vermont Quadrangle, 1:24,000, 1986

Figure 1
 USGS Map
 281 VT Route 15
 Wolcott, Vermont



All Locations are Approximate

Site Coordinates: N 44° 30' 58" W 72° 22' 41" (NAD83)



Subject Property



Test Pit



Septic Tank



275-gal. AST



Floor Drain



Slop Sink



Cleanout

Imagery: 2009 NAIP

Figure 2
Sample Locations
281 VT Route 15
Wolcott, Vermont

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS (VOCs)

281 VT Route 281
Hardwick, Vermont
Monitoring Date: 16 October 2017

Analyte	VT DEC - Soil Screening Values (SSVs)		VDH - Cleanup Criteria	outfall	SS-1	TP-2	TP-4	TP-5	VGES	tank
	Residential Soil	Industrial Soil	---						--	
				soil	soil	soil	soil	soil		effluent
Volatile Organic Compounds - 8260 (ug/Kg, dry)										ug/L
Tetrachloroethene (PCE)	24,000	100,000	1,570	ND<51	ND<51	ND<63	ND<42	ND<52	5.0	ND<200
Trichloroethene (TCE)	940	6,000	471	ND<51	ND<51	ND<63	ND<42	ND<52	5.0	ND<200
Benzene	1,200	5,100	471,000	ND<25	ND<25	ND<32	ND<21	ND<26	5,000	ND<200
MtBE	47,000	210,000	647,000	ND<25	ND<25	ND<32	ND<21	ND<26	40	ND<200
Toluene	4,900,000	47,000,000	--	ND<25	ND<25	ND<32	ND<21	ND<26	700	ND<200
ethylbenzene	5,800	25,000	--	ND<25	ND<25	ND<32	ND<21	ND<26	1,000	ND<200
1,3,5-trimethylbenzene	270,000	1,500,000	35,100	ND<25	ND<25	ND<32	ND<21	ND<26	350	ND<200
1,2,4-trimethylbenzene	300,000	1,800,000	41,600	ND<25	ND<25	ND<32	ND<21	ND<26		ND<200
total xylenes	580,000	2,500,000	--	ND<51	ND<51	ND<63	ND<42	ND<52	10,000	ND<40
naphthalene	3,800	17,000	1,530	ND<51	ND<51	ND<63	ND<42	ND<52	20	ND<500
methylene chloride	57,000	1,000,000	--	ND<51	ND<51	ND<63	130	54	5.0	ND<500
Field Screening										
PID (ppmv)	VT DEC action level*			0.0	0.0	0.0	0.0	0.0	---	0.0

Notes:

VT DEC Soil Screening Values (SSVs) - IROCP, April 2012. May 2016. Values reported as indicated in ug/Kg.

VDH - Vermont Department of Health.

VGES - Vermont Groundwater Enforcement Standard

ND: Not detected above indicated detection limit. "----" sample not analyzed for parameter.

*VT DEC Action Level for PID field screening - 10 ppmv for gasoline and 20 ppmv for diesel/fuel oil

PID: Photo-ionization detector (IonScience PhoCheck Tiger). ppm: parts-per-million

TABLE 2
SUMMARY OF ANALYTICAL RESULTS (PCBs)

281 VT Route 281
Hardwick, Vermont
Monitoring Date: 16 October 2017

Polychlorinated biphenyls (PCBs)	VT DEC Soil Screening Values (SSVs) (values in mg/Kg)		VDH - Cleanup Criteria	outfall	VGES	tank
	Residential Soils	Industrial Soils	---	soil mg/Kg	---	effluent ug/L
Aroclor 1016	4.1	2.7	--	ND<0.030	--	ND<0.5
Aroclor 1221	0.20	0.83	--	ND<0.030	--	ND<0.5
Aroclor 1232	0.17	0.72	--	ND<0.030	--	ND<0.5
Aroclor 1242	0.23	0.95	--	ND<0.030	--	ND<0.5
Aroclor 1248	0.23	0.95	--	ND<0.030	--	ND<0.5
Aroclor 1254	0.24	0.97	--	ND<0.030	--	ND<0.5
Aroclor 1260	0.24	0.99	--	ND<0.030	--	ND<0.5
Total PCBs	--	--	--	ND<0.030	0.5	ND<0.5

Notes:

All soil results reported as micrograms per kilogram (ug/Kg), unless indicated otherwise.

VT DEC Soil Screening Values (SSVs) - IROCP, April 2012, updated in November 2017.

VDH - Vermont Department of Health

VGES - Vermont Groundwater Enforcement Standard

ND: Not detected at indicated detection limit.

Areas shaded are exceedences of the SSV and/or VDH Cleanup Criteria

TABLE 3
SUMMARY OF ANALYTICAL RESULTS (Metals)

281 VT Route 281
Hardwick, Vermont
Monitoring Date: 16 October 2017

RCRA 8 Metals	VT DEC - Soil Screening Values (SSVs) (Values in mg/Kg)		VDH - Cleanup Criteria	VT background concentrations	outfall	VGES	tank
	Residential soil	Industrial soil	---	rural / urban	mg/Kg	---	(ug/L)
Arsenic	0.68	3.00	--	16	15.3	10	14
Barium	15,000	22,000	--	---	69.0	2,000	ND <200
Cadmium	71	980	65.6	---	ND<0.746	5.0	22
Chromium	---	---	34,500	---	41.5	100	41.2
Lead	400	800	--	41 / 111	44.6	15	200
Mercury	11	46	--	---	ND<0.0401	2.0	0.325
Selenium	390	5,800	--	---	ND<1.5	50	ND<5.0
Silver	390	5,800	--	---	ND<2.09	--	ND<7.0

Notes:

All soil results reported as milligrams per kilogram (mg/Kg), unless indicated otherwise.

VT DEC Soil Screening Values (SSVs) - IROCP, April 2012, updated in November 2017.

VDH - Vermont Department of Health

VGES - Vermont Groundwater Enforcement Standard

ND: Not detected at indicated detection limit.

Areas shaded are exceedences of the SSV and/or VDH Cleanup Criteria

mg/Kg - milligrams per kilogram

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SITE PHOTOGRAPHS



Photograph 1. Area of former septic tank and test pit excavation - View to the west.



Photograph 2. Floor drain pipe exiting building. Approximate location of sample SS-1.



Photograph 3. Area of test pit excavation.



Photograph 4. Top of former septic tank.



Photograph 5. Area of test pitting on the western side of building near the former septic tank.



Photograph 6. Area of test pitting on the western side of building – View to the east.

**LABORATORY ANALYTICAL
REPORT**

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CLIENT: Ross Environmental Associates
Project: 37-085 Greensboro Garage
Lab Order: 1710038
Date Received: 10/18/2017

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
1710038-01A	Tank	10/16/2017	2:30 PM
1710038-01B	Tank	10/16/2017	2:30 PM
1710038-01C	Tank	10/16/2017	2:30 PM
1710038-02A	Outfall	10/16/2017	1:00 PM
1710038-02B	Outfall	10/16/2017	1:00 PM
1710038-03A	SS-1	10/16/2017	12:30 PM
1710038-03B	SS-1	10/16/2017	12:30 PM
1710038-04A	TP-2	10/16/2017	11:00 AM
1710038-04B	TP-2	10/16/2017	11:00 AM
1710038-05A	TP-4	10/16/2017	12:00 PM
1710038-05B	TP-4	10/16/2017	12:00 PM
1710038-06A	TP-5	10/16/2017	11:30 AM
1710038-06B	TP-5	10/16/2017	11:30 AM

DATA COMMENT PAGE

Organic Data Qualifiers

ND	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than the method detection limit.
H	Method prescribed holding time exceeded.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
B	This flag is used when the analyte is found in the associated blank as well as in the sample.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
#	See Case Narrative
Q	RPD between signal 1 and signal 2 >40%.

Micro Data Qualifiers

TNTC	Too numerous to count
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Inorganic Data Qualifiers

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J	Indicates a value greater than or equal to the method detection limit, but less than the quantitation limit.
H	Indicates analytical holding time exceedance.
B	Indicates that the analyte is found in the associated blank, as well as in the sample.
MSA	Indicates value determined by the Method of Standard Addition
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
PS	The analyte was below the Reporting Limit but has significant matrix interference as noted by the poor recovery of the Post Digestion Spike.
#	See Case Narrative
*	MCL Exceeded

Report Comments:

1. Soil, sediment and sludge sample results are reported on a "dry weight" basis.
2. Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Project: 37-085 Greensboro Garage**Lab Order:** 1710038**Lab ID:** 1710038-01**Collection Date:** 10/16/2017 2:30:00 PM**Collection Time:****Client Sample ID:** Tank**Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846		SW6010C				Analyst: AL
Barium	ND	200		µg/L	1	10/23/2017 4:57:15 PM
Cadmium	22.0	5.00		µg/L	1	10/23/2017 4:57:15 PM
Chromium	41.2	10.0		µg/L	1	10/23/2017 4:57:15 PM
Lead	200	12.0		µg/L	1	10/23/2017 4:57:15 PM
Silver	ND	7.00		µg/L	1	10/23/2017 4:57:15 PM
ARSENIC, TOTAL		SW7060A				Analyst: REB
Arsenic	14	2.0	MSA	µg/L	1	10/24/2017 12:18:01 PM
MERCURY, TOTAL		SW7470A				Analyst: AL
Mercury	0.325	0.200		µg/L	1	11/1/2017 2:56:10 PM
SELENIUM, TOTAL		SW7740				Analyst: REB
Selenium	ND	5.0	PS	µg/L	1	10/24/2017 2:38:39 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Project: 37-085 Greensboro Garage**Lab Order:** 1710038**Lab ID:** 1710038-02**Collection Date:** 10/16/2017 1:00:00 PM**Collection Time:****Client Sample ID:** Outfall**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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ICP METALS TOTAL SW-846 - 3051/6010**SW6010C**Analyst: **AL**

Barium	69.0	29.9		mg/Kg-dry	1	10/23/2017 3:26:10 PM
Cadmium	ND	0.746		mg/Kg-dry	1	10/23/2017 3:26:10 PM
Chromium	41.5	1.49		mg/Kg-dry	1	10/23/2017 3:26:10 PM
Lead	44.6	3.73		mg/Kg-dry	1	10/23/2017 3:26:10 PM
Silver	ND	2.09		mg/Kg-dry	1	10/23/2017 3:26:10 PM

ARSENIC, SOIL 3051/7060**SW7060A**Analyst: **REB**

Arsenic	15.3	2.99	MSA	mg/Kg-dry	2	10/24/2017 1:00:21 PM
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MERCURY, 7471A**SW7471B**Analyst: **AL**

Mercury	ND	0.0401		mg/Kg-dry	1	10/24/2017 12:43:36 PM
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PERCENT MOISTURE**D2216**Analyst: **LB**

Percent Moisture	18.3	0		wt%	1	10/21/2017
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SELENIUM, SOIL 3051/7740**SW7740**Analyst: **REB**

Selenium	ND	1.5	PS	mg/Kg-dry	1	10/24/2017 3:15:34 PM
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Lab ID: 1710038-03**Collection Date:** 10/16/2017 12:30:00 PM**Collection Time:****Client Sample ID:** SS-1**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PERCENT MOISTURE**D2216**Analyst: **LB**

Percent Moisture	15.9	0		wt%	1	10/21/2017
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AMRO Environmental Laboratories Corp.**Date:** 03-Nov-17**CLIENT:** Ross Environmental Associates
Project: 37-085 Greensboro Garage**Lab Order:** 1710038**Lab ID:** 1710038-04**Collection Date:** 10/16/2017 11:00:00 AM**Collection Time:****Client Sample ID:** TP-2**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PERCENT MOISTURE**D2216**Analyst: **LB**

Percent Moisture	34.0	0		wt%	1	10/21/2017
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Lab ID: 1710038-05**Collection Date:** 10/16/2017 12:00:00 PM**Collection Time:****Client Sample ID:** TP-4**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PERCENT MOISTURE**D2216**Analyst: **LB**

Percent Moisture	0.4	0		wt%	1	10/21/2017
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Lab ID: 1710038-06**Collection Date:** 10/16/2017 11:30:00 AM**Collection Time:****Client Sample ID:** TP-5**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PERCENT MOISTURE**D2216**Analyst: **LB**

Percent Moisture	3.8	0		wt%	1	10/21/2017
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AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-01A

Client Sample ID: Tank
Collection Date: 10/16/2017 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS		SW8260C			Analyst: JK	
Dichlorodifluoromethane	ND	500		µg/L	100	10/25/2017 7:52:00 PM
Chloromethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Vinyl chloride	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Chloroethane	ND	500		µg/L	100	10/25/2017 7:52:00 PM
Bromomethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Trichlorofluoromethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Diethyl ether	ND	500		µg/L	100	10/25/2017 7:52:00 PM
Acetone	ND	1,000		µg/L	100	10/25/2017 7:52:00 PM
1,1-Dichloroethene	ND	100		µg/L	100	10/25/2017 7:52:00 PM
Carbon disulfide	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Methylene chloride	ND	500		µg/L	100	10/25/2017 7:52:00 PM
Methyl tert-butyl ether	ND	200		µg/L	100	10/25/2017 7:52:00 PM
trans-1,2-Dichloroethene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,1-Dichloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
2-Butanone	ND	1,000		µg/L	100	10/25/2017 7:52:00 PM
2,2-Dichloropropane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
cis-1,2-Dichloroethene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Chloroform	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Tetrahydrofuran	ND	1,000		µg/L	100	10/25/2017 7:52:00 PM
Bromochloromethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,1,1-Trichloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,1-Dichloropropene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Carbon tetrachloride	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2-Dichloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Benzene	ND	100		µg/L	100	10/25/2017 7:52:00 PM
Trichloroethene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2-Dichloropropane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Bromodichloromethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Dibromomethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
4-Methyl-2-pentanone	ND	1,000		µg/L	100	10/25/2017 7:52:00 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	10/25/2017 7:52:00 PM
Toluene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	10/25/2017 7:52:00 PM
1,1,2-Trichloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2-Dibromoethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
2-Hexanone	ND	1,000		µg/L	100	10/25/2017 7:52:00 PM
1,3-Dichloropropane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Tetrachloroethene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Dibromochloromethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-01A

Client Sample ID: Tank
Collection Date: 10/16/2017 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,1,1,2-Tetrachloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Ethylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
m,p-Xylene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
o-Xylene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Styrene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Bromoform	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Isopropylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Bromobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
n-Propylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
2-Chlorotoluene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
4-Chlorotoluene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,3,5-Trimethylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
tert-Butylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2,4-Trimethylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
sec-Butylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
4-Isopropyltoluene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,3-Dichlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,4-Dichlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
n-Butylbenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2-Dichlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
1,2-Dibromo-3-chloropropane	ND	500		µg/L	100	10/25/2017 7:52:00 PM
1,2,4-Trichlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Hexachlorobutadiene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Naphthalene	ND	500		µg/L	100	10/25/2017 7:52:00 PM
1,2,3-Trichlorobenzene	ND	200		µg/L	100	10/25/2017 7:52:00 PM
Surr: Dibromofluoromethane	107	74-138		%REC	100	10/25/2017 7:52:00 PM
Surr: 1,2-Dichloroethane-d4	96.9	64-138		%REC	100	10/25/2017 7:52:00 PM
Surr: Toluene-d8	94.5	77-128		%REC	100	10/25/2017 7:52:00 PM
Surr: 4-Bromofluorobenzene	94.0	81-113		%REC	100	10/25/2017 7:52:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-02A

Client Sample ID: Outfall
Collection Date: 10/16/2017 1:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS, EPA 5035A M SW8260C						Analyst: JK
Dichlorodifluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Chloromethane	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Vinyl chloride	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Chloroethane	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Bromomethane	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Trichlorofluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Diethyl ether	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Acetone	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Carbon disulfide	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Methylene chloride	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
trans-1,2-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1-Dichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
2-Butanone	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
2,2-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
cis-1,2-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Chloroform	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Tetrahydrofuran	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Bromochloromethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1,1-Trichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Carbon tetrachloride	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2-Dichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Benzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Trichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Bromodichloromethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Dibromomethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
cis-1,3-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Toluene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
trans-1,3-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1,2-Trichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2-Dibromoethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
2-Hexanone	ND	250		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,3-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Tetrachloroethene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Dibromochloromethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-02A

Client Sample ID: Outfall
Collection Date: 10/16/2017 1:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1,1,2-Tetrachloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Ethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
m,p-Xylene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
o-Xylene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Styrene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Bromoform	ND	100		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Isopropylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,1,2,2-Tetrachloroethane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2,3-Trichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Bromobenzene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
n-Propylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
2-Chlorotoluene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
4-Chlorotoluene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
tert-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
sec-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
4-Isopropyltoluene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
n-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2-Dibromo-3-chloropropane	ND	130		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2,4-Trichlorobenzene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Hexachlorobutadiene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Naphthalene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
1,2,3-Trichlorobenzene	ND	51		µg/Kg-dry	1	10/20/2017 2:26:00 PM
Surr: Dibromofluoromethane	100	63-141		%REC	1	10/20/2017 2:26:00 PM
Surr: 1,2-Dichloroethane-d4	97.2	54-134		%REC	1	10/20/2017 2:26:00 PM
Surr: Toluene-d8	99.2	53-142		%REC	1	10/20/2017 2:26:00 PM
Surr: 4-Bromofluorobenzene	91.9	65-132		%REC	1	10/20/2017 2:26:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-03A

Client Sample ID: SS-1
Collection Date: 10/16/2017 12:30:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS, EPA 5035A M SW8260C						Analyst: JK
Dichlorodifluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Chloromethane	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Vinyl chloride	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Chloroethane	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Bromomethane	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Trichlorofluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Diethyl ether	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Acetone	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Carbon disulfide	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Methylene chloride	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
trans-1,2-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1-Dichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
2-Butanone	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
2,2-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
cis-1,2-Dichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Chloroform	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Tetrahydrofuran	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Bromochloromethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1,1-Trichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Carbon tetrachloride	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2-Dichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Benzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Trichloroethene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Bromodichloromethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Dibromomethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
cis-1,3-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Toluene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
trans-1,3-Dichloropropene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1,2-Trichloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2-Dibromoethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
2-Hexanone	ND	250		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,3-Dichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Tetrachloroethene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Dibromochloromethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-03A

Client Sample ID: SS-1
Collection Date: 10/16/2017 12:30:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1,1,2-Tetrachloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Ethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
m,p-Xylene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
o-Xylene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Styrene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Bromoform	ND	100		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Isopropylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,1,2,2-Tetrachloroethane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2,3-Trichloropropane	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Bromobenzene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
n-Propylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
2-Chlorotoluene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
4-Chlorotoluene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
tert-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
sec-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
4-Isopropyltoluene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
n-Butylbenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2-Dibromo-3-chloropropane	ND	130		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2,4-Trichlorobenzene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Hexachlorobutadiene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Naphthalene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
1,2,3-Trichlorobenzene	ND	51		µg/Kg-dry	1	10/20/2017 3:04:00 PM
Surr: Dibromofluoromethane	106	63-141		%REC	1	10/20/2017 3:04:00 PM
Surr: 1,2-Dichloroethane-d4	101	54-134		%REC	1	10/20/2017 3:04:00 PM
Surr: Toluene-d8	104	53-142		%REC	1	10/20/2017 3:04:00 PM
Surr: 4-Bromofluorobenzene	94.0	65-132		%REC	1	10/20/2017 3:04:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-04A

Client Sample ID: TP-2
Collection Date: 10/16/2017 11:00:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS, EPA 5035A M SW8260C						Analyst: JK
Dichlorodifluoromethane	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Chloromethane	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Vinyl chloride	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Chloroethane	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Bromomethane	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Trichlorofluoromethane	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Diethyl ether	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Acetone	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1-Dichloroethene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Carbon disulfide	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Methylene chloride	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Methyl tert-butyl ether	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
trans-1,2-Dichloroethene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1-Dichloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
2-Butanone	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
2,2-Dichloropropane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
cis-1,2-Dichloroethene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Chloroform	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Tetrahydrofuran	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Bromochloromethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1,1-Trichloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1-Dichloropropene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Carbon tetrachloride	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2-Dichloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Benzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Trichloroethene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2-Dichloropropane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Bromodichloromethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Dibromomethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
4-Methyl-2-pentanone	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
cis-1,3-Dichloropropene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Toluene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
trans-1,3-Dichloropropene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1,2-Trichloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2-Dibromoethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
2-Hexanone	ND	320		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,3-Dichloropropane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Tetrachloroethene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Dibromochloromethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-04A

Client Sample ID: TP-2
Collection Date: 10/16/2017 11:00:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1,1,2-Tetrachloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Ethylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
m,p-Xylene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
o-Xylene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Styrene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Bromoform	ND	130		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Isopropylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,1,2,2-Tetrachloroethane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2,3-Trichloropropane	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Bromobenzene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
n-Propylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
2-Chlorotoluene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
4-Chlorotoluene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,3,5-Trimethylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
tert-Butylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2,4-Trimethylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
sec-Butylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
4-Isopropyltoluene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,3-Dichlorobenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,4-Dichlorobenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
n-Butylbenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2-Dichlorobenzene	ND	32		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2-Dibromo-3-chloropropane	ND	160		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2,4-Trichlorobenzene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Hexachlorobutadiene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Naphthalene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
1,2,3-Trichlorobenzene	ND	63		µg/Kg-dry	1	10/20/2017 3:42:00 PM
Surr: Dibromofluoromethane	94.4	63-141		%REC	1	10/20/2017 3:42:00 PM
Surr: 1,2-Dichloroethane-d4	102	54-134		%REC	1	10/20/2017 3:42:00 PM
Surr: Toluene-d8	104	53-142		%REC	1	10/20/2017 3:42:00 PM
Surr: 4-Bromofluorobenzene	94.1	65-132		%REC	1	10/20/2017 3:42:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-05A

Client Sample ID: TP-4
Collection Date: 10/16/2017 12:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS, EPA 5035A M SW8260C						Analyst: JK
Dichlorodifluoromethane	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Chloromethane	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Vinyl chloride	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Chloroethane	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Bromomethane	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Trichlorofluoromethane	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Diethyl ether	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Acetone	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1-Dichloroethene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Carbon disulfide	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Methylene chloride	130	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Methyl tert-butyl ether	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
trans-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1-Dichloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
2-Butanone	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
2,2-Dichloropropane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
cis-1,2-Dichloroethene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Chloroform	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Tetrahydrofuran	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Bromochloromethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1,1-Trichloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1-Dichloropropene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Carbon tetrachloride	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2-Dichloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Benzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Trichloroethene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2-Dichloropropane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Bromodichloromethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Dibromomethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
4-Methyl-2-pentanone	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
cis-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Toluene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
trans-1,3-Dichloropropene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1,2-Trichloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2-Dibromoethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
2-Hexanone	ND	210		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,3-Dichloropropane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Tetrachloroethene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Dibromochloromethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-05A

Client Sample ID: TP-4
Collection Date: 10/16/2017 12:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1,1,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Ethylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
m,p-Xylene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
o-Xylene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Styrene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Bromoform	ND	82		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Isopropylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,1,2,2-Tetrachloroethane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2,3-Trichloropropane	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Bromobenzene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
n-Propylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
2-Chlorotoluene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
4-Chlorotoluene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,3,5-Trimethylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
tert-Butylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2,4-Trimethylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
sec-Butylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
4-Isopropyltoluene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,3-Dichlorobenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,4-Dichlorobenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
n-Butylbenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2-Dichlorobenzene	ND	21		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2-Dibromo-3-chloropropane	ND	100		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2,4-Trichlorobenzene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Hexachlorobutadiene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Naphthalene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
1,2,3-Trichlorobenzene	ND	41		µg/Kg-dry	1	10/20/2017 4:21:00 PM
Surr: Dibromofluoromethane	98.9	63-141		%REC	1	10/20/2017 4:21:00 PM
Surr: 1,2-Dichloroethane-d4	108	54-134		%REC	1	10/20/2017 4:21:00 PM
Surr: Toluene-d8	107	53-142		%REC	1	10/20/2017 4:21:00 PM
Surr: 4-Bromofluorobenzene	104	65-132		%REC	1	10/20/2017 4:21:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-06A

Client Sample ID: TP-5
Collection Date: 10/16/2017 11:30:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8260C VOLATILES BY GC/MS, EPA 5035A M SW8260C						Analyst: JK
Dichlorodifluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Chloromethane	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Vinyl chloride	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Chloroethane	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Bromomethane	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Trichlorofluoromethane	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Diethyl ether	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Acetone	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1-Dichloroethene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Carbon disulfide	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Methylene chloride	54	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Methyl tert-butyl ether	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
trans-1,2-Dichloroethene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1-Dichloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
2-Butanone	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
2,2-Dichloropropane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
cis-1,2-Dichloroethene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Chloroform	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Tetrahydrofuran	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Bromochloromethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1,1-Trichloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1-Dichloropropene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Carbon tetrachloride	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2-Dichloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Benzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Trichloroethene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2-Dichloropropane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Bromodichloromethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Dibromomethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
4-Methyl-2-pentanone	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
cis-1,3-Dichloropropene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Toluene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
trans-1,3-Dichloropropene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1,2-Trichloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2-Dibromoethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
2-Hexanone	ND	260		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,3-Dichloropropane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Tetrachloroethene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Dibromochloromethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM

AMRO Environmental Laboratories Corp.

Date: 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-06A

Client Sample ID: TP-5
Collection Date: 10/16/2017 11:30:00 AM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chlorobenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1,1,2-Tetrachloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Ethylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
m,p-Xylene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
o-Xylene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Styrene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Bromoform	ND	100		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Isopropylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,1,2,2-Tetrachloroethane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2,3-Trichloropropane	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Bromobenzene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
n-Propylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
2-Chlorotoluene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
4-Chlorotoluene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,3,5-Trimethylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
tert-Butylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2,4-Trimethylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
sec-Butylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
4-Isopropyltoluene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,3-Dichlorobenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,4-Dichlorobenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
n-Butylbenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2-Dichlorobenzene	ND	26		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2-Dibromo-3-chloropropane	ND	130		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2,4-Trichlorobenzene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Hexachlorobutadiene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Naphthalene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
1,2,3-Trichlorobenzene	ND	52		µg/Kg-dry	1	10/20/2017 4:59:00 PM
Surr: Dibromofluoromethane	113	63-141		%REC	1	10/20/2017 4:59:00 PM
Surr: 1,2-Dichloroethane-d4	108	54-134		%REC	1	10/20/2017 4:59:00 PM
Surr: Toluene-d8	110	53-142		%REC	1	10/20/2017 4:59:00 PM
Surr: 4-Bromofluorobenzene	103	65-132		%REC	1	10/20/2017 4:59:00 PM

AMRO Environmental Laboratories Corp.**Date:** 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-01B

Client Sample ID: Tank
Collection Date: 10/16/2017 2:30:00 PM
Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082A				Analyst: NS
Aroclor 1016	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1221	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1232	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1242	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1248	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1254	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Aroclor 1260	ND	0.50		µg/L	1	11/1/2017 4:55:00 PM
Surr: Decachlorobiphenyl	57.6	27-131		%REC	1	11/1/2017 4:55:00 PM
Surr: Tetrachloro-m-xylene	72.3	37-130		%REC	1	11/1/2017 4:55:00 PM

AMRO Environmental Laboratories Corp.**Date:** 03-Nov-17

CLIENT: Ross Environmental Associates
Lab Order: 1710038
Project: 37-085 Greensboro Garage
Lab ID: 1710038-02B

Client Sample ID: Outfall
Collection Date: 10/16/2017 1:00:00 PM
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082A				Analyst: NS
Aroclor 1016	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1221	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1232	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1242	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1248	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1254	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Aroclor 1260	ND	30		µg/Kg-dry	1	10/20/2017 4:33:00 PM
Surr: Tetrachloro-m-xylene	109	18-143		%REC	1	10/20/2017 4:33:00 PM
Surr: Decachlorobiphenyl	88.2	31-149		%REC	1	10/20/2017 4:33:00 PM