

DRAFT

Stormwater Pollution Prevention Plan

New York State DEC
SPDES General Permit
Ossining Energy
Storage Project
4MW/16MWH STC
Rated Energy Storage
System

For Construction Activities at:

381 N. Highland Avenue
Ossining, New York 10562

SWPPP Prepared by:

PV Engineers, P.C.
c/o Borrego Solar Systems, Inc.
30 Century Hill Dr, Suite 301
Latham, NY 12110
Dated: January 4th, 2021

Estimated Project Dates:

Project Start Date: 05/01/2021
Project Completion Date: 08/01/2021
SPDES Permit No: TBD

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	PROJECT OPERATOR.....	2
2.1.	Contact Information/Responsible Parties.....	2
2.2.	Project Contractor:.....	2
2.3.	Project Subcontractors:	2
2.4.	Notice of Intent Filing	3
2.5.	Stormwater Team	3
2.6.	Posting Requirements	3
3.0	SITE EVALUATION, ASSESSMENT, AND PLANNING.....	4
3.1.	Project Site Information.....	4
3.1.1.	Project Site Information	4
3.1.2.	Project Latitude/Longitude	4
3.2.	Discharge to Receiving Waters Information	4
3.3.	Nature of the Construction Activities	4
3.4.	Construction Sequencing	5
3.5.	Soils, Slopes, Vegetation, and Current Drainage Patterns.....	6
3.5.1.	Soil Types	6
3.5.2.	Stormwater Runoff Characteristics and Management Summary.....	6
3.5.3.	Slopes	7
3.5.4.	Drainage Patterns	7
3.6.	Construction Site Estimates	7
3.7.	Site Features and Sensitive Areas to be Protected	8
3.8.	Potential Pollution Sources.....	8
3.9.	Site Maps.....	9
3.10.	Site Plan and Maps.....	9
4.0	DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS.....	10
4.1.	Endangered Species Protection	10
4.2.	Historic Preservation.....	10
5.0	EROSION AND SEDIMENT CONTROL	10
5.1.	Natural Buffer or Equivalent Sediment Controls	10
5.2.	Best Management Practices (BMPS).....	11
5.2.1.	Phase I	11
5.2.2.	Phase II	13
5.2.3.	Phase III	14
6.0	POLLUTION PREVENTION STANDARDS.....	14
6.1.	Potential sources of pollution	14

6.1.1.	Material Handling and Waste Management.....	15
6.1.2.	Construction Material Staging Areas	15
6.1.3.	Spill Prevention and Control Plan (SPCP)	15
6.1.4.	Equipment/Vehicle Fueling and Maintenance Practices	16
6.1.5.	Washing of Equipment and Vehicles	16
6.1.6.	Construction and Domestic Waste	17
6.1.7.	Sanitary Waste	17
6.1.8.	Washing of Applicators and Containers used for Paint, Concrete or other Materials	17
6.2.	Spill Prevention and Response.....	17
6.2.1.	General.....	17
6.2.2.	Notification	17
6.2.3.	Spill Containment and Clean-up Measures.....	18
6.3.	Hazardous Materials Spill Report.....	18
7.0	INSPECTIONS AND CORRECTIVE ACTION	18
7.1.	Inspections	18
7.1.1.	Inspection Schedule and Procedures.....	18
7.1.2.	Maintenance of Controls	19
7.2.	Corrective Action	20
7.3.	Delegation of Authority	20
8.0	RECORD KEEPING AND TRAINING	20
8.1.	Record Keeping	20
8.2.	Modifying the SWPPP	21
8.3.	Training	21
9.0	CERTIFICATION AND NOTIFICATION.....	22
10.0	FINAL STABILIZATION AND NOTICE OF TERMINATION	24

Table of Figures

Figure 1 – Site Locus Map

Figure 2 – Site Aerial Map

Figure 3 – Soils Map

Table of Appendices

Appendix A..... Site Maps

Appendix B..... SPDES General Permit GP-0-20-001

Appendix C..... NOI and DEC Acknowledgement Letter/NOC

Appendix D..... Blank Notice of Termination Form

Appendix E Emergency Contact List

Appendix F Construction Site Notice

Appendix G..... Subcontractor Certifications

Appendix H..... Blank Construction Log Book Forms

Appendix I Misc. Forms

Appendix J..... Endangered Species Documentation

Appendix K..... HydroCAD Outputon

Appendix L..... Soil Data and Phase I ESA

Appendix M..... Wetland Delineation

Appendix N..... NYS OPRHP Letter

1.0 INTRODUCTION

This Storm Water Pollution Prevention Plan (SWPPP) is intended to identify measures for control of storm water runoff and for minimizing impacts resulting from onsite construction activities at 381 N. Highland Avenue (Tax Map Parcel 80.18-2-1), also known as St. Augustine School and Roman Catholic Church, located along the east of the Croton River and north of Mystic Drive at the end of Eagle Park (see Figure 1 - *Site Locus Map*).

The proposed Ossining Energy Storage 1, LLC ("Borrego") Public Utility Facility consisting of a lithium-ion battery storage system is being developed as a participant in the NYSERDA market acceleration bridge incentive program. This energy storage facility will be used for reducing peak demand on the electric distribution system, reducing strain on assets when the system needs it most, extending the life of existing electric infrastructure, reducing the frequency of blackouts and outages, and ultimately reducing the cost of electricity for ratepayers in the State of New York. This system was designed in compliance with the 2019 Energy Storage Supplement to the New York State Uniform Fire Prevention and Building Code. All setbacks and lot size requirements will be met.

The project includes the construction of a ground mounted 5000 kW battery storage system to be enclosed in a fenced area of approximately 0.15± acres of the 28.9± acre property. The batteries will be contained within two (2) sets of concrete-reinforced containers. The containers will be 15'W x 60'L x 10'H and completely sealed to weather and stormwater. The containers will sit on concrete footers. The area surrounding the containers within the fence line will be a permeable crushed stone.

The batteries will charge/ discharge via two (2) transformers and (2) power conversion systems located within the fenced area, each having an approximate area of 214 ft². The power conversion system and associated equipment will be located on a concrete pad and connected to the existing utility grid via underground conduit from the interconnection equipment at the front of the site, adjacent to US 9/NY 9A/N Highland Ave. The underground conduit will be installed adjacent to the access road for approximately 740 LF to reach the interconnection equipment.

The interconnection equipment consists of a pad mounted disconnect box, a pad mounted high tension metering enclosure (both having an area of about 55 ft²), and two (2) utility poles carrying vertically mounted interconnection equipment.

The site does not include any significant new impervious areas, aside from small concrete equipment pads with an area of approximately 500 ft² each, as the access road will be constructed of #3 clean washed stone and woven geotextile fabric (Geoweb) to create a pervious system which facilitates infiltration. This SWPPP establishes the project's approach to controlling "the pollution of storm water runoff during construction" and lists structural and non-structural Best Management Practices (BMPs) that may be employed throughout various project phases.

This SWPPP has been prepared, based on the current level of design, in accordance with the regulations, guidelines, and conditions set forth by the Town of Ossining and the New York State Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). The permit and associated conditions are included in Appendix B.

2.0 PROJECT OPERATOR

2.1. Contact Information/Responsible Parties

In accordance with Part II and Appendix A of the General Permit (GP), the project owner and contractor are both considered Operators. The following section discusses specific Operator responsibilities in terms of the SWPPP implementation.

Operator:

Borrego Solar Systems, Inc.
30 Century Hill Drive, Suite 301
Latham, NY 12110
Attention: Greg Gibbons
Mobile: 315-378-9567
Fax: 888-843-6778
E-mail: ggibbons@borregosolar.com

Borrego Project Manager:

TBD
30 Century Hill Drive, Suite 301
Latham, NY 12110
Mobile: TBD
E-mail: TBD

2.2. Project Contractor:

The project general contractor ("Contractor") is Borrego Solar Systems, Inc. All the same contacts as mentioned in Section 2.1 above apply.

The Operators have operational control over day-to-day activities at the site that are necessary to ensure compliance with the SWPPP, including BMP installation and SWPPP modifications. The Operator is responsible for providing a qualified inspector and performing inspections. The Contractor shall provide a "Qualified Inspector" to conduct inspections required by the GP. "Qualified Inspector" is defined as a person knowledgeable in the principles and practice of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s). It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, if person has training in the principles and practices of erosion and sediment control.

For this project, the Operators will be responsible for any enforcement action taken or imposed by federal, state, or local agencies, including the cost of fines, construction delays, and remedial actions resulting from their failure to comply with the General Permit provisions. The Operators may subcontract certain portions of the proposed work; however, as an Operator, they are responsible for ensuring that subcontracted work occurs in compliance with this SWPPP and the GP.

The Operators are responsible for ensuring compliance with the GP by implementing the erosion prevention and sediment control practices outlined in this SWPPP. However, the Operator may elect to vary the erosion and sediment control practices from those outlined in this SWPPP and/or may choose to implement alternative measures. Alternative erosion and sediment control practices not described in the SWPPP must be performed in compliance with the GP and the Operator must modify this SWPPP accordingly. SWPPP modifications must be documented using the "SWPPP Amendment Form" found in Appendix I.

2.3. Project Subcontractors:

Project subcontractors have not been determined at this time. Each subcontractor engaged in activities that may generate pollution and could potentially impact stormwater runoff must sign a certification

statement prior to commencing any earth disturbing activities. The subcontractor's certifications (once completed) will be in Appendix G. Please refer to Appendix G for a blank certification statement. Lumberjacks, concrete vendors, site contractors, waste disposal companies, electricians are considered subcontractors that may generate pollution.

2.4. Notice of Intent Filing

All Operators must file a Notice of Intent (NOI) obtain coverage under GP-0-20-001 prior to the start of construction. The Operator must provide a copy of the New York State Department of Environmental Conservation (DEC) Acknowledgement of NOI notification (Notice of Coverage) in Appendix C of this SWPPP as soon as it becomes available.

The NOI, Notice of Coverage and Construction Site Notice (see Appendix F) must be posted at the site entrance.

2.5. Stormwater Team

The stormwater team will be responsible for the preparation of the SWPPP, later modifications to it, and for compliance with the GP. Each member of the stormwater team must have access to an electronic (or paper) copy of GP-0-20-001, and the most recent (updated) copy of the SWPPP. The stormwater team is:

Party Responsible for preparation of SWPPP and Erosion Control Plans:

PV Engineers, P.C.
30 Century Hill Dr, Suite 301
Latham, NY 12110
Attention: Gregory Gibbons, PE

Attention: Greg Gibbons
Mobile: 315-378-9567
Fax: 888-843-6778
E-mail: ggibbons@borregosolar.com

Following the submission of the complete NOI under the terms of the GP, the permit begins, and a permit number will be assigned by DEC within 5 business days after submission, unless notified otherwise by the DEC. Authorization to discharge under the GP will be effective when the Owner/Operator has satisfied criteria outlined in Part II.B.2 of the GP.

The NOI must be certified by a qualifying official meeting the definition provided in the NOI instructions and per GP-0-20-001. Each Operator must provide a copy of the DEC Acknowledgement of NOI notification (Notice of Coverage [NOC]) in Appendix C of this SWPPP as soon as it is available.

2.6. Posting Requirements

A copy of the NOI's, NOC's and a Construction Site Notice (see Appendix F) must be posted in a conspicuous location near the main entrance of the construction site. The Construction Site Notice must include the SPDES Permit Number and contact phone number for obtaining permit information. The Notice must be large enough and made visible from a public road that is nearest to the construction site.

3.0 SITE EVALUATION, ASSESSMENT, AND PLANNING

3.1. Project Site Information

3.1.1. Project Site Information

Project Name: Ossining Energy Storage Project
Location: 381 N. Highland Avenue, Ossining, New York 10562
County: Westchester County

3.1.2. Project Latitude/Longitude

Latitude: 41°11'07.36"N Longitude: -73°52'27.16"W Source: Google Earth web
Horizontal Reference Datum: New York State Plane Coordinate System – Eastern Zone

The parcel is bounded to the north and west by the Croton River, south by Mystic Drive and east by Highland Avenue (aka N.Y.S. Route 9/9A, Refer to Figure 1 – *Site Locus Map* and Figure 2 – *Site Aerial Map*).

3.2. Discharge to Receiving Waters Information

There are three discharge points for this site. DP-1 (POA 1) and DP-3 (POA 3) are located on the northwestern side of the parcel, east of the Croton River. DP-2 (POA 2) is located on the northeast part of the site to the west of Highland Avenue. There are no wetlands on the site, though a 100-foot offset is required from the approximate center line of the Croton/Hudson River.

3.3. Nature of the Construction Activities

The battery energy storage system (BESS) will be built to all applicable UL safety standards with an overarching certification to UL 9540, a safety standard for energy storage systems. In compliance with the UL 9540 standard, the battery subsystems adhere to the following criteria:

- Battery cells are UL 1642 and IEC 62619 certified
- Battery modules are listed to UL 1973 and IEC61000-6
- Transportation conditions comply with UN/DOT 38.3
- Power conversion systems are listed to UL 1741SA

In particular, UL 1973 contains specific provisions for safety performance tests for the battery, including electrical tests (such as short circuit and failure of cooling/thermal stability tests), mechanical tests (such as drop and impact tests, mold stress tests, and pressure release tests), and fire tests, including both internal and external fire tests to determine that no explosion hazards exist in either case. The power conversion system will be third-party certified to UL 1741SA to ensure reliable and safe connection to the electrical grid.

Installation of the system will proceed in compliance with prevailing codes such as NFPA 1 and NFPA 70 (National Electric Code), as well as local electric and fire codes. Borrego strictly adheres to worksite policies that are enforced in parallel by an internal safety lead and an external contractor. In this way, we promote a consistent culture of safety while maintaining checks and balances on our own systems. Borrego retains an independent contractor, Smart Safety Group, to spontaneously audit Borrego job site safety on an ongoing basis.

System protection will be provided on the DC and AC side of the power conversion system as required by and often in excess of NFPA 70 as adopted by local authorities having jurisdiction (AHJs). Protective

components include, but are not limited to, ground fault detection, power quality metering, thermal conditioning, emergency stop buttons, and many system limitations programmed into the battery management system (BMS), data acquisition system, and control systems. Basic system limitations include:

- PCS AC voltage and current
- PCS DC voltage and current
- PCS ramp rate
- PCS temperature
- Ambient temperature and humidity
- Rack level DC voltage and current
- Module temperature
- Cell voltage
- BMS power limit
- BMS state of charge
- BMS state of health

Because lithium-ion batteries are categorized as non-hazardous waste, due to the low quantity of toxic metals, and are contained within the battery cells, battery modules, and finally within a weatherproof NEMA 3R / IP55 enclosure, no dedicated containment is required. Lithium-ion batteries are sealed, manufactured systems and do not expose operators to toxic metals under normal operating conditions, so Tier I and Tier II reporting under EPCRA is not required. Safety data sheets are provided for all lithium-ion battery cells contained within the battery container.

3.4. Construction Sequencing

Soil disturbing activities associated with the site development will be phased according to the construction schedule. The sequence of major activities is shown on Erosion and Sedimentation Control Plans found in Appendix A and is expected to be as follows:

Phase I:

- Install temporary and permanent erosion control measures around perimeter of site.
- Install construction entrance/exit connecting to existing asphalt driveway.
- Layout construction laydown area.

Phase II:

- Remove existing access road and prepare existing surface for proposed access road grading
- Construct gravel access roads and swales.
- Excavate electrical trenches. Excess material shall be disposed of properly.
- Construct concrete washout.
- Excavate and pour concrete electrical equipment pads.
- Install electrical equipment.
- Install perimeter security fence.

Phase III:

- Hydroseed disturbed areas once work in smaller areas are completed.
- Remove erosion control measures once proper stabilization (>80%) is achieved.

3.5. Soils, Slopes, Vegetation, and Current Drainage Patterns

3.5.1. Soil Types

Soil information for the site was obtained from the Natural Resources Conservation Service Web Soil Survey for Westchester County at <http://websoilsurvey.sc.egov.usda.gov>. Refer to Figure 3 – *Soils Map* for information regarding onsite soils.

3.5.2. Stormwater Runoff Characteristics and Management Summary

Runoff rates based on post-construction site conditions have been calculated for a 1-year, 10-year and 100-year storm event, and are shown below. The site contains primarily Hydrological Soil Group B & D soils. The post-construction site conditions will yield very little change in impervious surfaces resulting from the construction of the battery storage areas. The project site has already been developed and it includes the St. Augustine School and Catholic Roman Church, as well as various parking lots and a network of driveways and catch basins. A few other structures and a basketball court are located on the northern part of the site. The remaining available land is a mixture of trees and meadow/brush. The batteries will charge/ discharge via two (2) transformers and (2) power conversion systems located within the fenced area, each having an approximate area of 214 ft². The power conversion system and associated equipment will be located on a concrete pad and connected to the existing utility grid via underground conduit from the interconnection equipment at the front of the site, adjacent to US 9/NY 9A/N Highland Avenue. The underground conduit will be installed adjacent to the access road for approximately 740 LF to reach the interconnection equipment. The interconnection equipment consists of a pad mounted disconnect box, a pad mounted high tension metering enclosure (both having an area of about 55 ft²), and two (2) utility poles carrying vertically mounted interconnection equipment.

The SCS Runoff Curve Number (CN) is 70 for the pre-development site and the resulting post-development weighted CN is 69 based on the underlying soils types and post-construction cover. The outlet control structures, ponds, and direct runoff will be regulated to the discharge rates and volumes by not exceeding the peak flows and volumes for pre-developed conditions at a 1-year, 10-year and 100-year storm frequency. The post-developed flows will be stored and released over time through Stormwater Management Practices. The following data has been generated and based on the SCS Runoff & Storage-Induction Methods for both pre-developed and post-developed conditions.

The drainage areas and flow patterns for existing and post-development conditions are similar except for an increase in impervious areas associated with the development. The existing drainage patterns for the site are established within the project limits and are shown in Appendix F. There are tributary areas that flow through the site, which will be allowed to maintain their drainage patterns and are included in these calculations. The existing combined peak discharge from the site for the 1-year, 10-year and 100-year storm event is presented in the attached reports and hydrographs.

In order to accommodate the project, it is necessary to add on-site stormwater collection and stormwater management practices. Runoff will be primarily collected through sheet runoff and grassed swales. Direct runoff to adjacent areas not being collected by the storm system has been minimized and will, for the most part, maintain existing drainage patterns. Proposed drainage patterns, as compared to existing drainage patterns, will require storage volumes cumulatively generated by the development of the

proposed Pond or Stormwater Management Practice (SMP). Given the proximity of the project site to the Croton River, there is a requirement to provide stormwater quantity detention. For water quality control, water quality devices proposed shall be utilized based on the NYS Stormwater Pollution Prevention Plan (SWPPP) Design Manual, January 2015. See Appendix H and I.

Summary of Hydraulic Calculations - AREA 1+Area 3

Condition	Q _{10-yr}	Q _{100-yr}
Runoff	cfs	cfs
Pre-Developed	5.97	15.57
Post-Developed*	2.78	12.32

*Based on release rate through SMP and discharge culverts

Summary of Hydraulic Calculations - AREA 2

Condition	Q _{10-yr}	Q _{100-yr}
Runoff	cfs	cfs
Pre-Developed	0.14	.49
Post-Developed*	0.37*	0.38

*Based on release rate through SMP and discharge culverts. Due to size of area, it is difficult to attenuate the flow rate and therefore is slightly above Pre-Developed flow

Summary of Hydraulic Calculations - AREA 3

Condition	Q _{10-yr}	Q _{100-yr}
Runoff	cfs	cfs
Pre-Developed	1.58	3.92
Post-Developed*	0.0	0.0

*Area 3 has been routed to Area 1 for storage

In conclusion, based on drainage patterns and peak flows compared relatively to pre-developed and post-developed conditions, it is believed that the improvements being proposed will not affect present or future downstream conditions relative to flow or sedimentation.

The depth to groundwater is primarily >50 centimeters below the surface. Please refer to Soil Data included in Appendix L.

3.5.3. Slopes

The site topography ranges in elevation from 110+/- feet National Geodetic Vertical Datum (NGVD) at the highest points to elevation 60+/- feet at the low points within the developed site.

The proposed access road grading will require a significant amount of fill in order to maintain a 10% maximum slope. Geoweb material will be used to improve road slope stabilization.

3.5.4. Drainage Patterns

The existing topography of the project area is generally sloping to the north towards the Croton River. The drainage patterns will be maintained after development of the site.

3.6. Construction Site Estimates

The following are estimates of the construction site:

- Construction Site Area = 2.91± acres
- Percentage impervious area before construction = 8.5%
- Composite runoff curve number before construction = 69 (hydrologic area = 2.91± acres)
- Percentage impervious area after construction = 9.3%
- Composite runoff curve number after construction = 70 (hydrologic area = 2.91± acres)

3.7. Site Features and Sensitive Areas to be Protected

There are no wetlands located within the site except for S1 (Croton River). Erosion and sediment control Best Management Practices (BMPs) will be implemented on site to protect the natural resources associated with Croton River and other sensitive areas.

3.8. Potential Pollution Sources

The materials or substances listed below are expected to be present onsite during construction activities. They represent potential pollutants, other than sediment, to storm water runoff:

- Detergents
- Cement
- Concrete and associated waste/products/additives
- Paints/solvents
- Paper products
- Petroleum products
- Rubber/plastic products
- Sanitary wastes
- Solid Construction waste

Allowable Non-Stormwater Discharges

Type of Allowable Non-Stormwater Discharges	Likely to be Present at your Site	
Discharges from emergency fire-fighting activities	☐ YES	☒ NO
Fire Hydrant Flushing's	☐ YES	☒ NO
Landscape Irrigation	☐ YES	☒ NO
Water used to wash vehicles	☐ YES	☒ NO
Water used to control dust	☐ YES	☒ NO
Potable water including uncontaminated water line flushing's	☐ YES	☒ NO
Pavement wash waters	☐ YES	☒ NO
Uncontaminated non-turbid discharges of ground water or spring water	☐ YES	☒ NO
Foundation or footing drains	☐ YES	☒ NO
Construction dewatering water	☐ YES	☒ NO

These types of discharges will be allowed under the condition that no pollutants will be allowed to come in contact with the water prior to or after its discharge. The control measures which have been outlined previously in this SWPPP will be strictly followed to ensure that no contamination of these non-storm

water discharges takes place or that these discharges do not result in a discharge of pollutants to waters of the US.

3.9. Site Maps

Site Maps are located in Appendix A at the end of this report. The Operator must update these plans in accordance (but not limited to) the following:

- Locations where earth-disturbing activities will occur, noting changes in phases
- Approximate slopes before and after major grading activities. Note sloped areas greater than 15%.
- Show locations where sediment, soils or other construction materials, demolitions debris will be stockpiled.
- Locations of any crossing of surface waters.
- Designated points on the site where vehicles will exit onto paved roads.
- Locations of structures and impervious surfaces upon completion of construction.
- Locations of construction support activity areas covered by this permit.
- Locations of all surface waters, wetlands on or in the immediate vicinity of the Site.
- The boundary of any natural buffers; some work will occur inside of 50-foot buffer.
- Areas of federally listed critical habitat for endangered or threatened species.
- Topography of the site, existing vegetative cover (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of stormwater and authorized non-stormwater flow onto, over, and from the site property before and after major grading activities.
- Stormwater and allowable non-stormwater discharge locations, including:
 - Locations of any inlets to municipal separate storm sewer systems (MS4s)
 - Locations where stormwater or allowable non-stormwater will be discharged to surface waters on or near the site.
 - Locations of all potential pollutant-generating activities
 - Locations of stormwater control measures
 - Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

3.10. Site Plan and Maps

Site Locus Map. A Site Locus Map is provided in the Figures section of this report. This map identifies the location of the construction site and location of waters of the U.S. on and within the immediate project vicinity.

Erosion and Sedimentation Control Plans. The Erosion Control Plans show the direction of storm water flow and approximate slopes before and after grading activities, areas of soil disturbance and areas that will not be disturbed, natural features to be preserved, locations of non-structural BMPs identified in the SWPPP and locations where storm water discharges to a surface water (where applicable.)

Progress (Site) Maps. GP-0-20-001 requires that as conditions change at the construction site (such as the location of BMPs) the Contractor must update the SWPPP to reflect such changes. Progress Maps (11 x 17) are provided in Appendix A. In addition to tracking the changes associated with the BMPs, the Contractor will indicate and track the location of the following:

- Portable toilets
- Material storage areas
- Concrete washout areas

- Refueling areas
- Off-site material, waste, borrow, or equipment storage areas
- Dumpster or other trash and debris containers
- Spill kits
- Stockpiles
- Any other non-structural non-storm water management BMPs
- Any changes to structural BMPs
- Areas where final stabilization has been accomplished

If the Progress Maps become too full to easily read, it should be dated, folded, and put into the SWPPP in Appendix F for documentation and a new Progress Map should be started.

4.0 DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

4.1. Endangered Species Protection

An on-site wetland delineation was performed by GEI Consultants in June 2020. The delineation resulted in the identification of one wetland. The wetland is situated along the western portion of the site adjacent to the Croton River. The Wetland Delineation report is included in Appendix M.

The project location contains the Bald Eagle, a NY State threatened species. Bald Eagle nesting is within 0.4 miles of the project site. Other species documented within 0.5 miles of the project site include: The Least Bitter, the Shortnose Sturgeon and the Atlantic Sturgeon. GEI Consultants is currently coordinating with NYSDEC to confirm there will be no impact on these species. A letter from the New York Natural Heritage Program (NYNHP), with details on the species affected, is included in Appendix J.

The United States Fish and Wildlife Service (USFWS) did not find any threatened and/or endangered species on the project site. Letters are included in Appendix J.

4.2. Historic Preservation

The New York state Office of Parks, Recreation and Historic Preservation (OPRHP) reviewed the project in accordance with the New York State Historic Preservation Act and found the site to be in an archeologically sensitive location, refer to Appendix N for details. OPRHP requested an archaeological Phase IA/IB survey for the site. The survey is being performed by Hartgen Associates and will be included in Appendix N upon completion.

5.0 EROSION AND SEDIMENT CONTROL

During construction, the Operator will comply with the measures provided in this SWPPP and conduct construction activities in such a manner that is in accordance with GP-0-20-001 conditions. It is the Operator's responsibility not to undertake more than that magnitude of work that can be safely and adequately controlled by the methods at their disposal. The Operator's approach must emphasize preventing erosion before it occurs as opposed to treating sediment-laden storm water runoff.

5.1. Natural Buffer or Equivalent Sediment Controls

The Erosion Control Plan represents the suggested best management practices proposed for the project. The Contractor's approach to controlling storm water runoff from the site may vary; however, they must update this SWPPP to reflect the changes and appropriate corresponding erosion control measures using the Progress Maps and the SWPPP Amendment form (provided in Appendix I).

The use of erosion and sedimentation controls is mandatory and must be employed to minimize impacts to adjacent areas during the construction. If sediment escapes the construction site, offsite accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts.

The control practices which are required to control storm water pollution during construction must remain functional until disturbed areas have been stabilized. Erosion control products are to be installed and maintained in accordance with manufacturer's specifications and good engineering practices. During all phases, the Erosion and Sediment Control BMPs outlined in the following sections must be inspected based the inspection frequency discussed in Section 7.0. In addition, stabilization measures must be instituted on disturbed areas as soon as practicable, but no more than 14 days after construction activity has temporarily or permanently ceased on any portion of the site.

5.2. Best Management Practices (BMPs)

Construction activities will be phased in order to minimize site disturbance, protect sensitive natural features, and prevent soil erosion and sediment transport (refer to Section 3.4 above). The intended construction sequence and timing of major activities is outlined below.

5.2.1. Phase I

During Phase I of the project the stabilized construction entrance will be installed, perimeter erosion control protection installed, and establishment of stockpile areas.

Stabilized Construction Exit: At the beginning of Phase I a stabilized construction exit must be installed at the location where vehicles are expected to enter and/or exit the site in order to prevent the off-site tracking of sediment onto adjacent public roadways. The stabilized construction entrances will consist of compacted two to three inch (2"-4" thickness) crushed stone, placed over a layer of geotextile fabric (to provide separation from the underlying soil and prevent the stone from being ground down into the soil). The stabilized construction entrance must be wide enough to cover the entire width of the entrance/exit and allow two vehicles to pass comfortably, and it should be flared where it meets the public roadway to accommodate longer construction vehicles. The stabilized construction entrance must be long enough to allow mud and sediment to become dislodged from vehicle tires, and/or a minimum of fifty (50') in length.

Over the course of construction, the stabilized construction entrance will become filled with accumulated sediment. The Contractor must inspect the stabilized construction entrance and adjacent public roadways for off-site sediment tracking and repair the entrance as necessary (remove accumulated sediment and add new stone as necessary). If tracking onto public roadways does occur, the streets in the vicinity of the stabilized construction entrance shall be swept immediately. The stabilized construction entrance shall not be removed until just prior to project completion.

Straw Bale/Silt Fence: At the beginning of Phase I a combination of straw bale and silt fence or just silt fence shall be installed to prevent sediment –laden runoff from leaving the site. In addition, silt fence will be used on the down gradient sides of material stockpile areas.

The straw bale consists of a row of bales placed along a contour if possible. The bales intercept and slow sheet flow runoff. Bales shall be firmly staked and trenched. Accumulated sediment must be removed from the bales when it reaches ½ of the height of the bale. Silt fence is a sediment control BMP consisting of a length of geotextile fabric stretched between anchoring posts spaced at regular intervals along the site at low/down-slope areas. The geotextile fabric must be entrenched in the ground between the support posts. Silt fence is effective in treating low velocity sheet flow and is not intended for use in areas of concentrated or channelized flow. Silt fence must be inspected for rips, tears, and gaps between the

fence and the ground. An adequate reserve of silt fence must be kept on site at all times for emergency and/or routine replacement. Silt fence shall be entirely removed **only** after exposed soils in the contributing drainage area are stabilized. Silt fence can also be used as an effective perimeter control to contain stockpiles of topsoil or other erodible material.

Stockpile Management: Stockpiles of erodible material, including any topsoil salvaged during construction, must be surrounded by a perimeter sediment control such as silt fence to prevent storm water runoff from being contaminated by eroded sediment. Stockpiles of erodible material must be stabilized utilizing a temporary stabilization technique if they remain inactive for more than fourteen (14) days. Stockpiles must be located at least 100 feet from wetland resource areas (i.e. bordering vegetated wetlands and Buffer zone). Stockpile locations must be tracked using the Site Maps included in Appendix A.

Dust Control: Dust control BMPs are various means and methods of preventing soil erosion by wind. During all phases of the project generation of dust must be minimized to prevent air and water pollution as well as minimize risks to human health. Earthmoving activities are the primary source of dust generation during construction, but traffic on un-stabilized access roads and sediment transport by wind blowing across exposed soil surfaces can also be contributing factors. The most effective dust control BMPs for preventing wind erosion involve stabilizing (temporary or permanent) exposed soils. However, where soil stabilization is not practical techniques that increase soil moisture and encourage the formation of soil clods or reduce wind velocity at the soil surface are also effective. The following dust control BMPs are typically used on construction sites:

- Watering/Irrigation: Sprinkling the ground surface with water until it is moist.
- Soil Stabilization: Vegetative cover, mulch, riprap or any method that covers the soil surface reduces the potential for soil particles to become airborne.
- Wind Breaks: Wind breaks are barriers (either natural or constructed) that reduce wind velocity across exposed soil surfaces and reduces the potential for soil particles become airborne. Wind breaks can be trees or shrubs left in place during site clearing or constructed barriers such as a wind fence.
- Soil Roughening: Deep tillage in large areas of exposed soil brings soil clods to the surface preventing soil particles from becoming airborne.

Temporary Sediment Basins/Traps: If temporary sediment basins/traps/swales are needed at the beginning of Phase 1, the temporary sediment basins must provide 3,600 cubic feet of storage per acre drained **and** disturbed. Temporary sediment basins are a sediment control BMP that consist of an excavated or natural depression that detains/retains storm water runoff allowing sediments to settle out of suspension prior to discharge via a suitably stabilized outlet. They also provide an opportunity for storm water infiltration. The temporary sediment basin's side-slopes and bottom must be appropriately stabilized prior to directing runoff to it. Accumulated sediment must be removed when it reaches 33% of the design volume capacity of the basin in order to maximize sediment settling potential and minimize the possibility of sediment washout during high intensity/long duration storm events. The basins will include a controlled outlet structure consisting of a perforated riser pipe packed in gravel which allow for further reduction of sediment prior to discharge. Traps will include a rip rap spillway.

Temporary Stabilization-All Phases: Stabilization measures must be initiated as soon as practicable on portions of the site where construction activities have temporarily or permanently ceased, but in no case

more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Temporary stabilization refers to a variety of erosion control BMPs that protect exposed soils from the erosive forces of precipitation (raindrop and sheet erosion) and/or prevent the formation of channelized flow (rill, gully and channel erosion). The Contractor must inspect temporarily stabilized areas to assess the effectiveness of temporary stabilization BMPs and replace/repair them as necessary. The following temporary stabilization BMPs are typically used on construction sites and may be used by the Contractor for this project:

Erosion Control Blankets: Erosion control blankets are erosion control BMPs consisting of natural or synthetic geotextile fabrics formed into long sheets or mats that are rolled out over exposed soils and fastened with stakes, pegs or staples. They are used in areas where high runoff velocity makes traditional mulching ineffective. Blankets are highly effective at stabilizing steep slopes (3:1 or greater) and can be used to stabilize areas of concentrated flow such as swales.

Soil Roughening: Soil roughening is an erosion control BMP that involves creating grooves or impressions in exposed soil surfaces with tracked construction equipment (bulldozer, excavator, etc.). Slopes that are not fine graded or smoothed but left in a roughened condition reduce erosion by decreasing slope length and runoff velocity, increasing infiltration, trapping sediment, and allowing seed to take hold and grow. It is critically important that the impressions be made perpendicular to the slope contours (never parallel to the contour); improper use of this technique can actually accelerate erosion. Soil roughening shall be used as a last resort.

Temporary Seeding: Temporary seeding is an erosion control BMP that consists of using select varieties of grasses to establish vegetative cover. Temporary seeding utilizes annual species that establish quickly, are not persistent or invasive, but provide long term temporary cover (as opposed to the perennial species used in permanent seeding for final stabilization).

5.2.2. Phase II

During Phase II of the project construction activities will commence and include trench and concrete equipment pad excavation and pile driving or screw installation for the solar module racking solution. All of the BMPs installed to date will continue to be used during Phase II until final stabilization is achieved. In addition, the following measures will be used during Phase II.

Temporary Diversion Ditches: Temporary diversion ditches are an option to divert runoff away from construction area. They should be constructed prior to any work in said construction area at the beginning of Phase II. Temporary drainage ditches are a runoff control BMP consisting of a ditch or excavation installed as a means of conveying storm water runoff to temporary sediment basins/traps (or other sediment control BMPs) while soil disturbing construction activities are ongoing. The temporary drainage ditch side-slopes and bottom must be appropriately stabilized prior to directing runoff to it. The temporary ditches will include stone check dams (see below). Temporary drainage ditches may be constructed as needed at locations determined by the Operator. This is done to account for unanticipated on-site field conditions.

Concrete Washout Area: Concrete washout areas consist of a prefabricated or site-built impermeable containment area sized to hold concrete wastes and wash water (including one-foot (1') freeboard). Concrete washouts are used to contain concrete and liquids when the chutes of concrete mixers and hoppers of concrete pumps are rinsed out after delivery. The washout Facility consolidate solids for easier disposal and prevent runoff of liquids. The wash water is alkaline and contains high levels of chromium,

which can leach into the ground and contaminate groundwater. It can also migrate to a storm drain, which can increase the pH of area waters and harm aquatic life. Solids that are improperly disposed of can clog storm drain pipes and cause flooding. The concrete washouts must be constructed prior to placement of concrete on-site. The concrete washout area must be located in an area where its likelihood of contributing to storm water discharges is negligible. Washouts shall be located outside of any wetland resource area and 100' from buffer zones to wetlands.

These specially designated areas should be properly signed, and onsite personnel instructed in their proper use. The hardened residue from the concrete wash out area will be disposed of in the same manner as other non-hazardous construction waste materials or may be broken up and used onsite as appropriate. It is the responsibility of the Contractor to ensure that these procedures are followed. The Contractor must track concrete washout locations on the Progress Map if they are moved or if additional concrete washouts need to be constructed.

5.2.3. Phase III

During Phase III of the project construction, electrical wiring activities will constitute the majority of the work on site. Hydroseeding of disturbed areas will be completed. All of the BMPs installed to date will continue to be used during Phase III.

All BMPs's implemented to date will continue to be used during Phase III until the site reaches permanent stabilization.

Permanent Stabilization: Permanent stabilization refers to a variety of erosion control BMPs that allow a construction project to achieve "final stabilization." Final stabilization is defined in Appendix A of GP-0-20-001 as: a uniform, perennial vegetative cover with a density of eighty percent (80%) over the entire pervious surface has been established, or other equivalent permanent stabilization measures have been employed.

The following permanent stabilization BMPs are typically used on construction sites:

- Permanent Seeding: Permanent seeding consists of using select varieties of grasses and/or other plants to establish vegetative cover. Permanent seeding utilizes perennial, persistent species that provide dense, long term vegetative cover.

6.0 POLLUTION PREVENTION STANDARDS

6.1. Potential sources of pollution

Pollutant Activity	Generating Pollutants or Pollutant Constituents (that could be discharged if exposed to stormwater)	Location on Site (or reference SWPPP site map where this is shown)
Hazardous Waste	Not Applicable	Not Applicable
Paving Operations	Not Applicable	Not Applicable
Concrete Operations	Cement	Erosion Control Plan

Re-fueling	Petroleum products	Erosion Control Plan
Paint	Not Applicable	Not Applicable
Waste Disposal (Sanitary)	Feces	Erosion Control Plan
Solid Waste	General trash	Erosion Control Plan

6.1.1. Material Handling and Waste Management

The following measures will be implemented to prevent the discharge of solid materials to waters of the U.S.:

- Manufacturer's recommendations for proper use and disposal will be followed.
- Contractor will perform inspections based on the frequency outlined in the GP to ensure the proper storage, use, and disposal of materials.
- Contractor will arrange for all sanitary waste to be collected from portable toilet units by a licensed sanitary waste management operator, or as required by local regulation. Pickups must be done on a regular basis. No burial or discharge of the sanitary waste may be conducted on-site.
- Contractor will be responsible for the off-site removal and disposal of all construction related debris in accordance with state and federal law. No on-site waste disposal will occur. Where the use of dumpsters is proposed, the Contractor must determine and apply specific measures to keep waste within the dumpsters from being intermixed with storm water, including closing the dumpsters and installing drain plugs.

6.1.2. Construction Material Staging Areas

Construction materials expected to be stored on-site are listed in Section 3.8. Procedures for the storage of these materials to minimize exposure of the materials to storm water are as follows:

- All materials stored on-site must be stored in a neat, orderly manner in their appropriate containers. Materials that are hazardous or toxic such as paints, solvents, pesticides, fuels and oils should be stored under a roof or other enclosure if possible. Where cover is not available, all hazardous or toxic materials should be stored in a location with secondary containment.
- Materials will be kept in their original containers with the original manufacturer's label.
- Asphalt substances used on-site will be applied according to manufacturer's recommendations.
- Petroleum products will be stored in tightly sealed containers that are clearly labeled. The Contractor will inspect the staging areas based on the frequency outlined in the GP.

Above noted materials shall be located outside of any wetland resource areas including buffer zone areas.

6.1.3. Spill Prevention and Control Plan (SPCP)

The Contractor will be responsible for preventing spills in accordance with applicable federal, state, and local regulations and will identify an appropriately trained site employee involved with day-to-day site operations to be the spill prevention and cleanup coordinator. The name(s) of responsible spill personnel will be posted in the material storage area(s) and in the on-site office. Each employee will be instructed that spills are to be reported to the spill prevention and cleanup coordinator.

In addition to the good housekeeping and material management practices discussed in previous sections

of this plan, the following practices will be followed for spill prevention and response.

6.1.4. Equipment/Vehicle Fueling and Maintenance Practices

The types of equipment typically used for this project will consist of track and rubber-tired diesel-powered vehicles (e.g., tracked hoes, front-end loaders, backhoes, graders, scrapers, bulldozers, and cranes), trucks, pumps, compressors, generators, and light vehicles. Equipment storage, cleaning, and maintenance areas are described and mapped on the site maps included in Appendix B. The following measures will be implemented:

- All equipment will be parked and/or operated within the approved and designated construction right-of-way or in staging areas.
- The contractor will monitor daily for leaking equipment. Equipment parked overnight will be inspected by the contractor and absorbent pads will be placed to catch all leaks, as necessary. If leaks are detected by the Environmental Inspector, the contractor will be notified and contaminated soil will be cleaned up immediately.
- Major equipment cleaning and maintenance will be conducted in the contractor's offsite construction yard(s), at commercial cleaning Facility, or at commercial repair shops.
- Refueling and servicing of vehicles or equipment, and minor maintenance such as oil changes and minor repairs for large equipment that cannot be easily moved, will be permitted on the construction site or right-of-way only as necessary, and must be conducted at least 200 feet away from any drainage channel, wetland resource area and also outside of the 100-foot buffer zone.
- The maintenance location will be under cover and include secondary containment.
- Drip pans, drip cloths, or absorbent pads will be used when replacing spent fluids.
- Do NOT clean surfaces by hosing the areas down.
- Vehicle or equipment fueling, service, and maintenance will be conducted only by authorized trained personnel using approved pumps, hoses, and nozzles.
- Hoses, nozzles, connectors, and pumps used for fueling will be inspected regularly by trained personnel.
- Catch-pans or absorbent pads will be placed under vehicles or equipment to catch potential spills during refueling, servicing, or maintenance.
- Service trucks will be equipped with spill-containment equipment, and all spills will be cleaned up immediately.

If the construction site will have a total above-ground oil storage capacity of more than 1,320 gallons of oil (counting only tanks that equal or exceed 55 gallons) the site is subject to DEC's spill prevention, control and countermeasure (SPCC) rules and it is the Operator/Contractor's responsibility to prepare a Spill Prevention and Control Plan.

6.1.5. Washing of Equipment and Vehicles

Wheel washing will occur on site at construction exits. Construction exit(s) will be used to wash wheels of construction vehicles exiting the site on an as needed basis. Wheel wash water will be potable water from nearby municipal fire hydrant and wheel wash runoff will be directed to nearest catch basin. If wheel wash water proposed to discharge on site, Contractor shall construct a temporary sedimentation basin. Maintain in accordance with the GP.

6.1.6. Construction and Domestic Waste

Construction and domestic waste will be controlled through the implementation of construction dumpster(s) and trash receptacles in appropriate number and size to contain the waste. This will be done on a daily basis and cleaned up immediately if overflow occurs.

6.1.7. Sanitary Waste

Temporary portable toilets in sufficient number will be located on-site during each of the project phases. They will be secured so that they cannot be flipped or knocked over.

6.1.8. Washing of Applicators and Containers used for Paint, Concrete or other Materials

Hay bale and plastic concrete washout pits will be installed at the Project site. Hay bale and plastic concrete washout pits will be installed and ready for inspection a minimum of 72 hours prior to use.

Concrete washout pits shall be inspected daily and after heavy rains to check for leaks, identify damage to plastic linings and to determine whether the pits have been filled to within 75% of capacity. Prior to heavy rains the washout pit water level should be lowered (vacuuming) or the pit covered to avoid an overflow. Damage to plastic lining shall be repaired promptly. When the washout pit is filled to over 75% of its capacity, the wash water shall be vacuumed out or allowed to evaporate to avoid overflows. When the remaining cementitious solids have hardened, they shall be removed and recycled.

6.2. Spill Prevention and Response

6.2.1. General

Spill control/containment equipment will be kept locally in the area of construction. Materials and equipment necessary for spill cleanup will be kept in the material storage area on-site. Equipment and materials will include but not be limited to absorbent booms or mats, brooms, dust pans, mops, rags, gloves, goggles, sand and plastic and metal trash containers specifically for this purpose. It is the responsibility of the Contractor to ensure the inventory will be readily accessible and maintained.

6.2.2. Notification

Workers will be directed to inform the on-site supervisor in the event of a spill or leak. The supervisor will assess the incident and initiate containment procedures. Workers should avoid direct contact with the spilled material during containment procedures. Notification of a spill will be to a certified cleanup operator if deemed necessary. Emergency contact phone numbers are provided in Appendix E. The specific clean-up operator to be used must be identified by the operator and listed on the Emergency Contact List in Appendix E.

The Operator/Contractor is prohibited from discharging toxic or hazardous substances from a spill or other release, consistent with Part I.B.1.e. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, you must notify the National Response Center (NRC) at (800) 424-8802 or, in the Washington, DC metropolitan area, call (202) 267-2675 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as the Operator/Contractor has knowledge of the discharge. The Operator/Contractor must also, within 7 calendar days of knowledge of the release, provide a description of the release, the circumstances leading to the release, and the date of the release. State, tribal, or local requirements may necessitate additional reporting of spills or discharges to local emergency response, public health, or drinking water supply agencies. The Operator/Contractor must also, within 7 calendar days of knowledge of the release, provide

a description of the release, the circumstances leading to the release, and the date of the release. State, tribal, or local requirements may necessitate additional reporting of spills or discharges to local emergency response, public health, or drinking water supply agencies.

6.2.3. Spill Containment and Clean-up Measures

Spills will be contained with granular sorbent materials, sand, sorbent pads, booms, or all of the above to prevent spreading. Catch basins will be plugged and drainage channels should be protected from the spill. Manholes will not be entered unless personnel are trained in confined space entry and have the appropriate safety equipment and backup personnel. Spill clean-up should be completed by trained certified clean-up operators. Manufacturer's recommended methods for spill cleanup will be maintained and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

6.3. Hazardous Materials Spill Report

A spill report must be prepared by the Contractor following each occurrence. The spill report must present a description of the release, including quantity and type of material, date of the release, circumstances leading to the release, location of spill, response actions and personnel, documentation of notifications, and corrective measures implemented to prevent reoccurrence.

The SPDES General Permit does not relieve the Contractor of the reporting requirements 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances. Where a release containing hazardous substance in an amount equal to or in excess of a reporting quantity established under the federal regulations has occurred, The Contractor is required to comply with the requirement of the aforementioned regulations. Spills of oil or hazardous material (OHM) will be reported to the National Response Center, if the reportable quantity is exceeded. The Contractor must notify the DEC in writing of a reportable release within 14 days of the occurrence. Contact numbers are provided in Appendix E.

7.0 INSPECTIONS AND CORRECTIVE ACTION

7.1. Inspections

The Contractor shall be responsible for providing Qualified Personnel to conduct all inspections required by the GP. A "Qualified Professional" is defined as a person knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual. A "Qualified Inspector" is defined as a person that is knowledgeable in the principles and practices of erosion and sediment controls, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual. It can also mean someone working under the direct supervision of, and at the same company as, the Licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control.

7.1.1. Inspection Schedule and Procedures

Inspections of all non-structural and structural best management practices proposed and implemented as part of the SWPPP must be conducted at least once every 7 calendar days, or in compliance with Part II.C and Part IV.C of the GP and the requirements of the New York State Standards and Specifications for Erosion and Sediment Control, latest edition. In addition, an inspection report must be prepared if any

deficiencies are noted during the daily inspections. Inspections should also be performed prior to storm events anticipated to result in substantial storm water runoff. These inspections will include areas used for storage of materials that are exposed to rainfall, structural control measures, locations where vehicles enter or exit the site, and all disturbed areas. Written records of these inspections must be kept on file for the duration of the project and be available for review. Completed forms must be maintained in Appendix I.

If site inspections indicate that BMPs are not operating effectively, need to be modified, maintenance is required, or additional BMP's are necessary, implementation must be performed as soon as possible and before the next storm event whenever practicable to maintain the continued effectiveness of the BMPs. If implementation before the next storm event is impracticable, the situation must be documented in the SWPPP and alternative BMPs must be implemented as soon as possible.

All pollution prevention measures must be maintained in good working order. If a repair is necessary, it will be initiated, if practicable, within 24 hours of report.

A blank inspection report has been provided in Appendix I. The Inspector will record the following information on an inspection report:

- On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14 days;
- Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of the sediment storage volume
- Inspect all stormwater pollution prevention practices and record all maintenance requirements such as verifying the integrity of barrier and containment systems. Identify any evidence of rill or gully erosion occurring and any loss of stabilizing vegetation or seeding/mulching
- Document excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures.
- Inspect areas that are designated for the storage and/or transfer of fuels, lubricants or other hazardous materials
- Inspect construction equipment for leaks on a daily basis
- All deficiencies that are identified with the implementation of the SWPPP

If there are no incidents of non-compliance, then a certification that the site is in compliance with the SWPPP and the GP must be made by the Contractor. A certification is provided on the inspection form included in Appendix I.

7.1.2. Maintenance of Controls

The following maintenance practices will be used by the Contractor to maintain erosion and sediment controls.

- All erosion and sediment control measures and other protective measures must be maintained in effective operating condition.
- Accumulated sediment within the catch basin inlet protection must be removed.
- Maintenance of pollution prevention measures must be continued on the site for as long as a portion of the site remains disturbed.

- If issues are identified at hazardous materials storage areas, corrective actions will be implemented immediately.
- If leaks or spills are identified procedures outlined in Section 6.0 will be followed.

7.2. Corrective Action

For each corrective action taken in accordance with this Section 7.0, a corrective action report must be completed, which includes the applicable information provided below. Note that these reports must be maintained in the inspection records but do not need to be provided to DEC except upon request. Within 24 hours of discovering the occurrence of one of the triggering conditions in the GP, a report of the following must be completed:

- Which condition was identified at the site;
- The nature of the condition identified; and
- The date and time of the condition identified and how it was identified.

Within 7 calendar days of discovering the occurrence of one of the triggering conditions in the GP, a report of the following must be completed:

- Any follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred;
- A summary of stormwater control modifications taken or to be taken, including a schedule of activities necessary to implement changes, and the date the modifications are completed or expected to be completed; and
- Notice of whether SWPPP modifications are required as a result of the condition identified or corrective action

Signature Requirements. Each corrective action report must be signed and certified in accordance with the GP. Corrective Action Report Logs are provided in Appendix I.

7.3. Delegation of Authority

Duly Authorized Representative(s) or Position(s):

Company: PV Engineers, P.C. c/o Borrego Solar Systems, Inc.

Name: Jason Bierly

Position: Construction Superintendent

Address: 30 Century Hill Drive, Suite 301

City/State/Zipcode: Latham, NY 12110

Telephone: 617-877-9877 (Mobile)

E-mail: jbierly@borregosolar.com

8.0 RECORD KEEPING AND TRAINING

8.1. Record Keeping

The following is a list of records which the Operator and Contractor must maintain at the project site and made available for inspectors to review:

- Completed Inspection Reports (Appendix I) -Contractor only.
- A copy of the Construction General Permit (Appendix B).

- Signed and certified NOI (Appendix C).
- A copy of the letter from the DEC acknowledging receipt of the NOI (Appendix C).
- A copy of the Notice of Coverage from the DEC (Appendix C).

8.2. Modifying the SWPPP

This SWPPP must be modified as necessary to:

- Ensure permit compliance when notified by DEC that the plan does not comply.
- Include additional or modified BMPs that correct problems identified as a result of an inspection. Revisions must be completed with seven (7) calendar days following the inspection.
- Ensure the effectiveness of the SWPPP in eliminating or significantly minimizing pollutants from storm water discharges from the site.
- Prevent the reoccurrence of releases of a hazardous material or oil.
- Address a change in design, construction, operation, or maintenance which has or may have a significant effect on the potential for the discharge of pollutants.
- Changes in personnel

All modifications to the SWPPP must be recorded on the SWPPP Amendment Form found in Appendix I and retained in Appendix I, Completed SWPPP Amendment Forms.

8.3. Training

Training sessions must be provided by the Contractor for all construction personnel. The training will review specific BMPs used in the work area as well as reporting and response measures that may be needed by either construction personnel and/or inspectors to implement the SWPPP. A Training Log including dates, attendees, subjects covered, and length of training has been provided in Appendix I.

Suggested training topics include:

- Erosion and Sedimentation Control Plans
- Temporary Sediment Control including Tracking Control
- Wind Erosion Control
- Temporary Soil Stabilization
- Non- Storm Water Management
- Waste management and Material Pollution Control

Copies of the SWPPP and all reports required by the GP, and records of all data used to complete the Notice of Intent to be covered by this permit, must be retained by the Operators for a period of at least three (3) years from the date that the site is finally stabilized.

9.0 CERTIFICATION AND NOTIFICATION

CERTIFICATION – Operator (Contractor)

The following certification statement must be signed and dated by a person who meets the requirements of Part VII.H.1 of the GP.

This certification must be re-signed in the event of a SWPPP Modification.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: * Brendan Neagle
Signature: _____
Title: EVP
Company: Borrego Solar Systems, Inc.
Date: _____

*This form shall be signed by a responsible corporate office of the Operator or by a duly authorized representative in accordance with Part VII.H.1 of the GP.

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title:

Greg Gibbons, P.E.

Company:

Borrego Solar Systems, Inc.

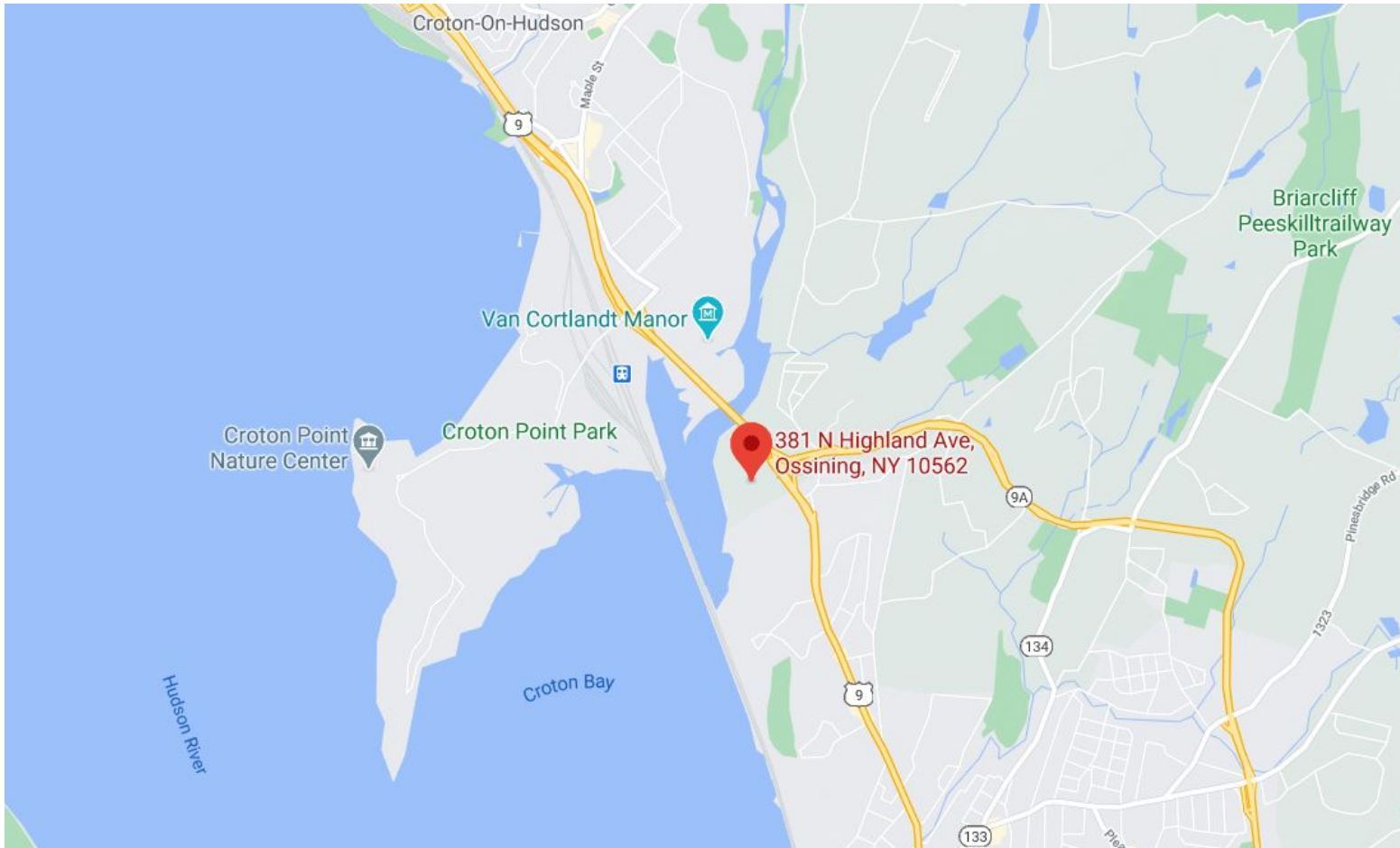
Signature: _____ Date: _____

10.0 FINAL STABILIZATION AND NOTICE OF TERMINATION

Once construction activity has been completed a Notice of Termination must be filed with the DEC within 30 days of final stabilization on all portions of the site for which the Operator was responsible. A blank NOT has been provided in Appendix D. However, before terminating permit coverage, the following items must be accomplished:

- Remove any construction debris and trash
- Remove temporary BMPs (such as silt fence). Remove any residual sediment as needed. Seed and mulch any small bare spots. BMPs that will decompose, including some fiber rolls and blankets, may be left in place.
- Check areas where erosion-control blanket or matting was installed. Cut away and remove all loose, exposed material, especially in areas where walking or mowing will occur. Reseed all bare soil areas.
- Ensure that 80 percent of vegetation coverage has been achieved or equivalent stabilization measures have been applied.
- Repair any remaining signs of erosion
- Inspect storm drain system and any permanent sedimentation/detention basins and clean accumulated sediment or debris
- Ensure that post-construction BMPs are in place and operational. Provide written maintenance requirements for all post-construction BMPs to the appropriate party.
- Check all drainage conveyances and outlets to ensure they were installed correctly and are operational. Inspect inlet areas to ensure complete stabilization and remove any brush or debris that could clog inlets.
- Seed and mulch or otherwise stabilize any areas where runoff flows might converge, or high velocity flows are expected.
- Ensure subcontractors have repaired their work areas before final closeout.

Figures



Source: Google Map

Figure 1 – Site Locus

**381 N Highland Ave,
Ossining, NY 10562**

Prepared by:

PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110



Source: Google Earth

Figure 2 – Aerial Map
381 N Highland Ave,
Ossining, NY 10562

Prepared by:
PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110



Figure 3 – Soil Survey

**381 N Highland Ave,
Ossining, NY 10562**

Prepared by:
PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110

Source: Web Soils
Survey - NRCS

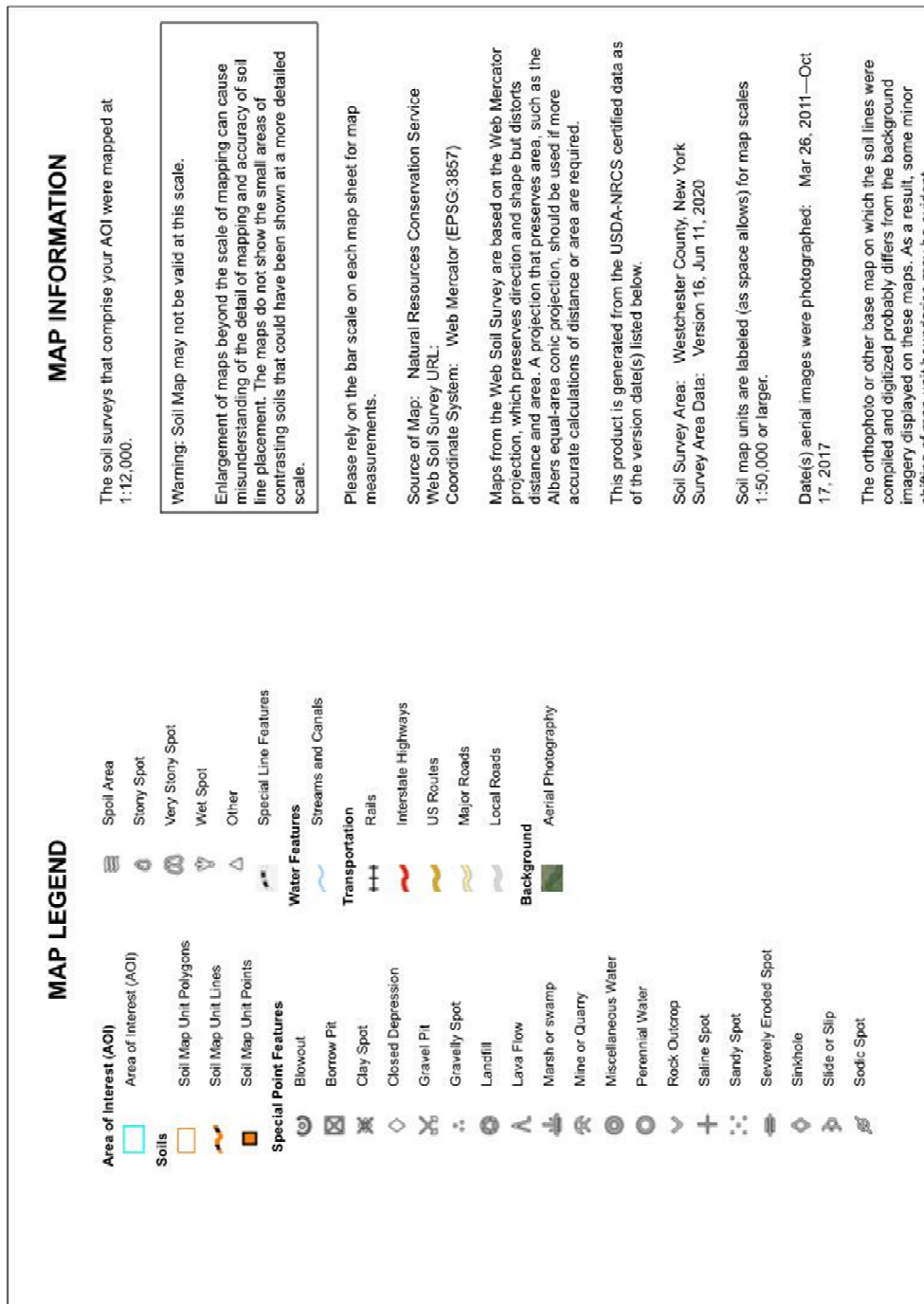


Figure 3 – Soil Survey

**381 N Highland Ave,
Ossining, NY 10562**

Prepared by:
PV Engineers, P.C.
 30 Century Hill Drive, Suite 301
 Latham, NY 12110

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ChC	Charlton fine sandy loam, 8 to 15 percent slopes	0.7	2.1%
ChE	Charlton loam, 25 to 35 percent slopes	4.5	13.6%
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	9.5	28.9%
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky	3.9	12.0%
CuD	Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes	0.2	0.6%
HrF	Hollis-Rock outcrop complex, 35 to 60 percent slopes	0.4	1.2%
NdA	Natchaug and Catden mucks, ponded, 0 to 2 percent slopes	0.2	0.6%
RhE	Riverhead loam, 25 to 50 percent slopes	7.0	21.2%
SuB	Sutton loam, 3 to 8 percent slopes	2.7	8.1%
Ub	Udorthents, smoothed	3.8	11.6%
W	Water	0.0	0.1%
Totals for Area of Interest		32.9	100.0%

Source: Web Soils
Survey - NRCS

Figure 3 – Soil Survey

**381 N Highland Ave,
Ossining, NY 10562**

Prepared by:
PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110

Appendix A

Site Maps

381 N. HIGHLAND AVE, OSSINING, NY 10562
4MW/16MWH STC RATED ENERGY STORAGE SYSTEM

NOT FOR
CONSTRUCTION

**SITE USE PERMIT
381 N HIGHLAND AVE
OSSINING, NY 10562**

PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	10/16/20	DC	GG	SITE USE PERMIT SET
	10/22/20	DC	GG	PER TOWN COMMENTS
	12/15/20	DC	GG	PER TOWN COMMENTS

SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
ARCH D 24" X 36"

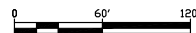
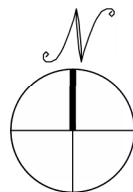
T-1
TITLE PAGE

NOT FOR
CONSTRUCTION

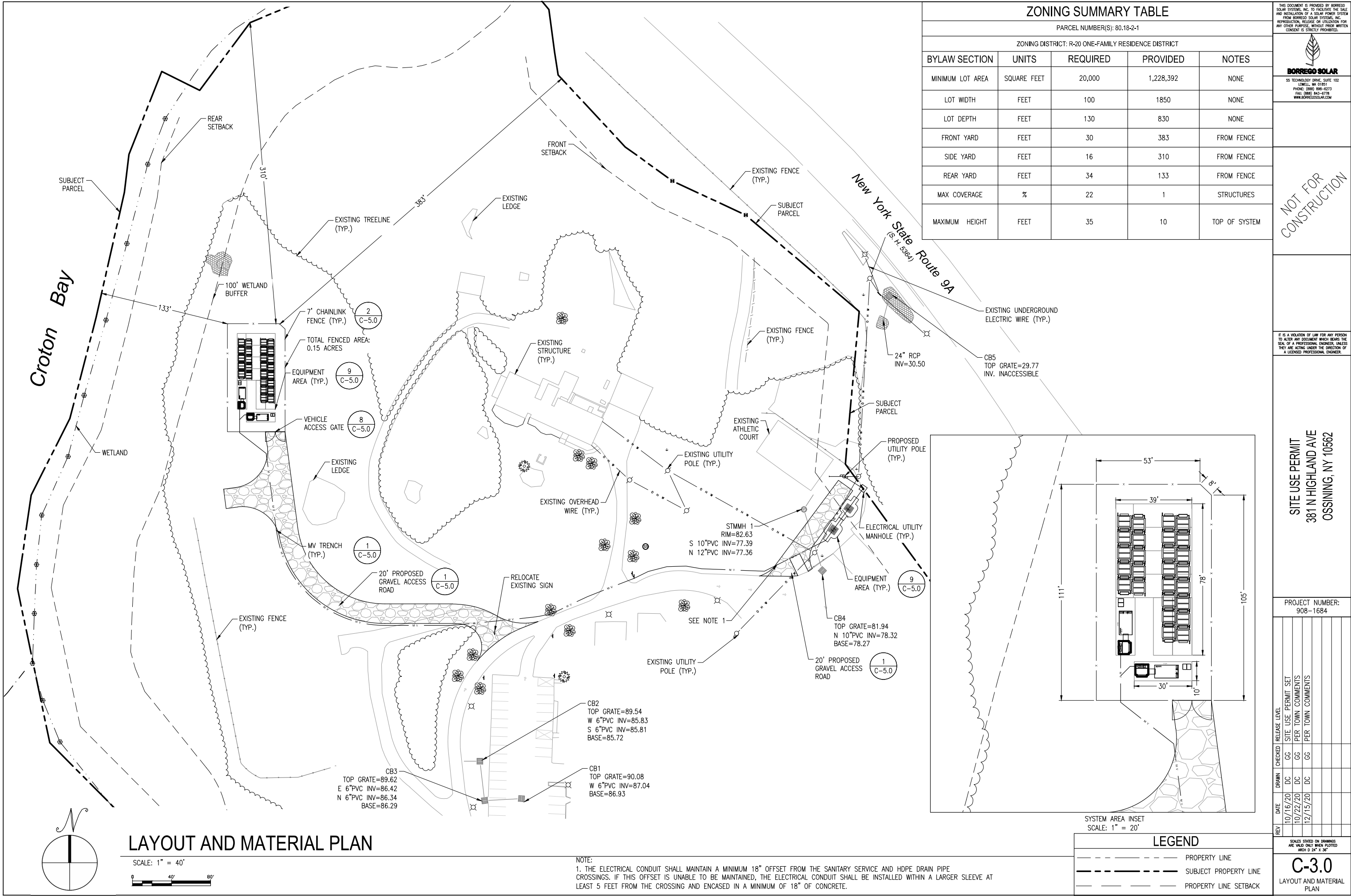
SITE USE PERMIT
3881 N HIGHLAND AVE
OSSINING, NY 10562

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	10/16/20	DC	GG	SITE USE PERMIT SET
	10/22/20	DC	GG	PER TOWN COMMENTS
	12/15/20	DC	GG	PER TOWN COMMENTS

C-1.0



— — — — — PROPERTY LINE
— — — — — SUBJECT PROPERTY LINE
 — — — — — PROPERTY LINE SETBACK



ZONING SUMMARY TABLE				
PARCEL NUMBER(S): 80.18-2-1				
ZONING DISTRICT: R-20 ONE-FAMILY RESIDENCE DISTRICT				
BYLAW SECTION	UNITS	REQUIRED	PROVIDED	NOTES
MINIMUM LOT AREA	SQUARE FEET	20,000	1,228,392	NONE
LOT WIDTH	FEET	100	1850	NONE
LOT DEPTH	FEET	130	830	NONE
FRONT YARD	FEET	30	383	FROM FENCE
SIDE YARD	FEET	16	310	FROM FENCE
REAR YARD	FEET	34	133	FROM FENCE
MAX COVERAGE	%	22	1	STRUCTURES
MAXIMUM HEIGHT	FEET	35	10	TOP OF SYSTEM

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR
55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER ANY DOCUMENT WHICH BEARS THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

SITE USE PERMIT
381 N HIGHLAND AVE
OSSINING, NY 10562

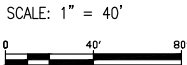
PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	GG	SITE USE PERMIT SET	GG	PER TOWN COMMENTS	GG	PER TOWN COMMENTS
	10/16/20	DC								
	10/22/20	DC								
	12/15/20	DC								

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-3.0
LAYOUT AND MATERIAL PLAN

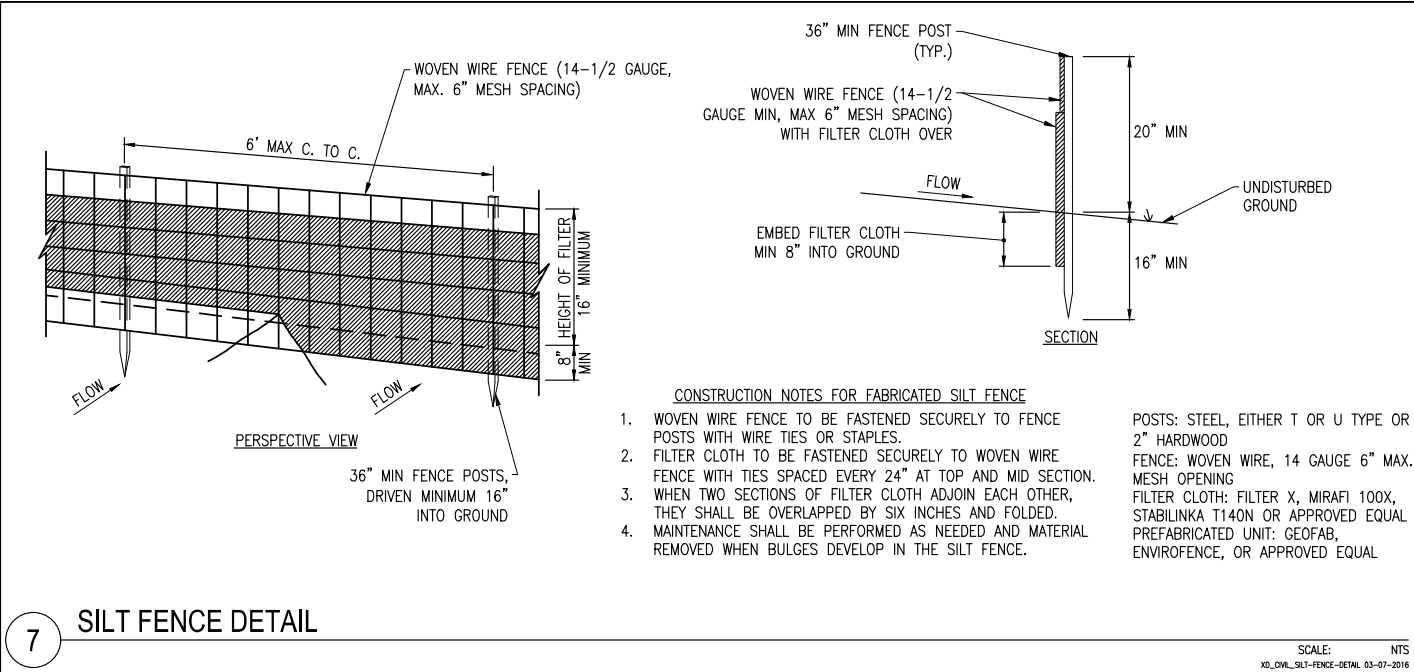
LAYOUT AND MATERIAL PLAN



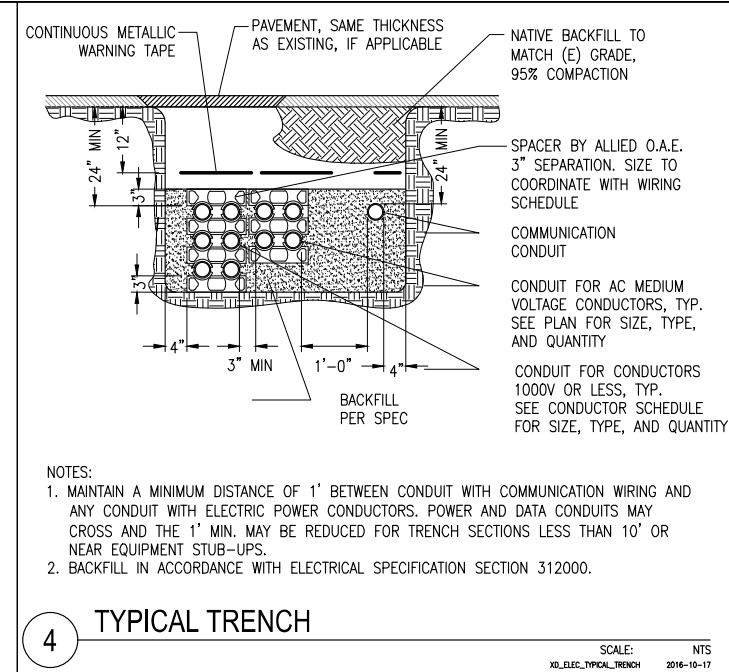
NOTE:
1. THE ELECTRICAL CONDUIT SHALL MAINTAIN A MINIMUM 18" OFFSET FROM THE SANITARY SERVICE AND HDPE DRAIN PIPE CROSSINGS. IF THIS OFFSET IS UNABLE TO BE MAINTAINED, THE ELECTRICAL CONDUIT SHALL BE INSTALLED WITHIN A LARGER SLEEVE AT LEAST 5 FEET FROM THE CROSSING AND ENCASED IN A MINIMUM OF 18" OF CONCRETE.

SYSTEM AREA INSET SCALE: 1" = 20'		LEGEND	
		PROPERTY LINE	
		SUBJECT PROPERTY LINE	
		PROPERTY LINE SETBACK	

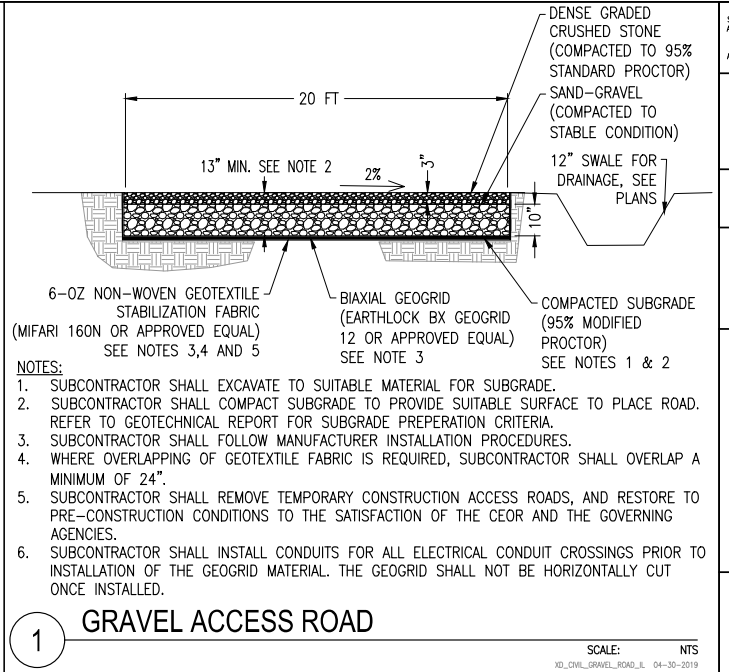
- - - - - PROPERTY LINE
 ———— SUBJECT PROPERTY LINE
 - - - - - PROPERTY LINE SETBACK
 [Patterned Box] WETLANDS
 [Line with Squares] SILT FENCE
 - - - - - MULCH TUBE
 [Arrow] DRAINAGE FLOW DIRECTION



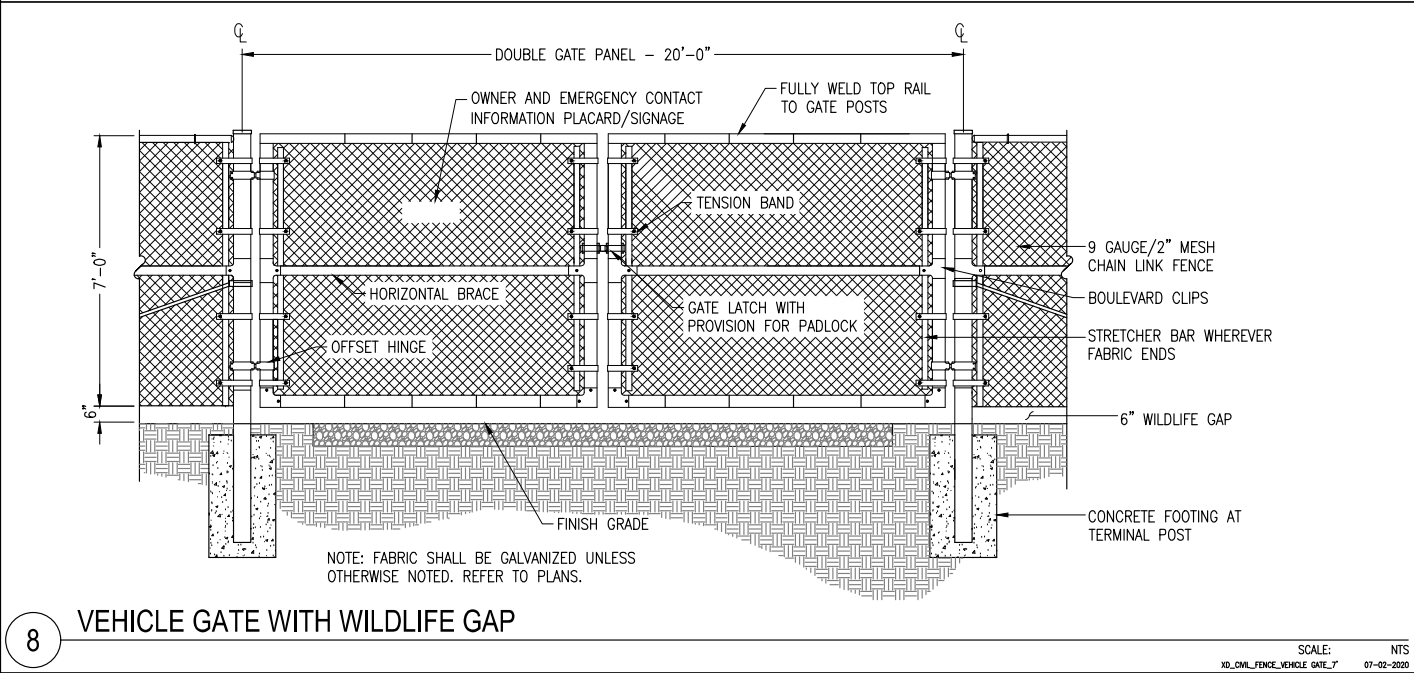
7 SILT FENCE DETAIL



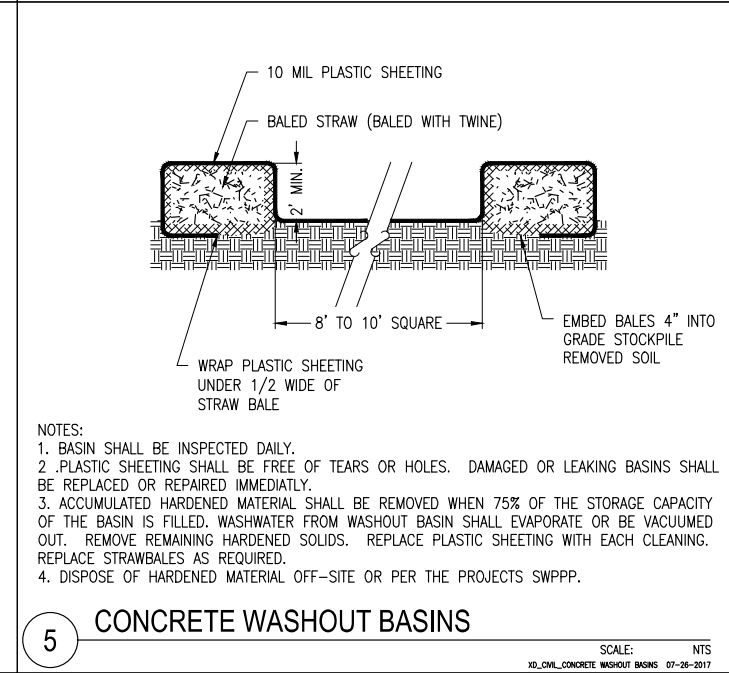
4 TYPICAL TRENCH



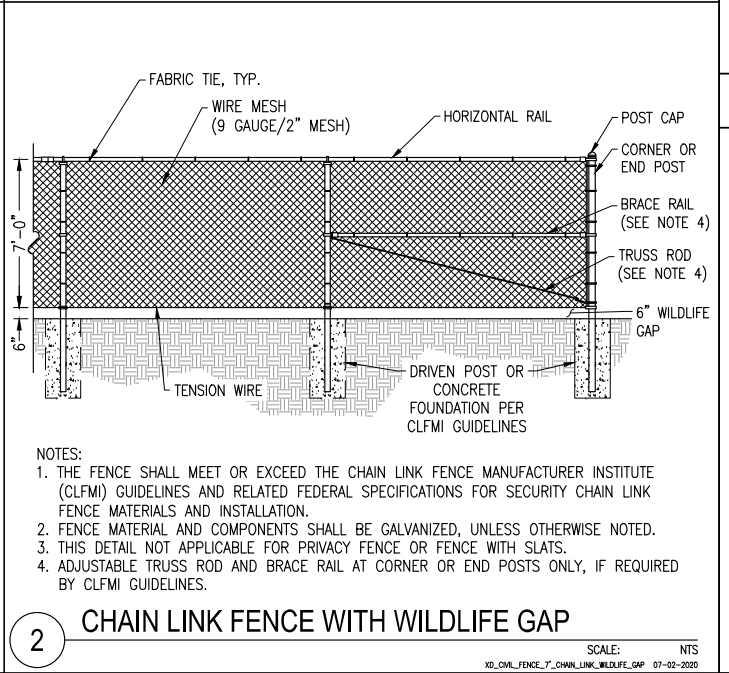
1 GRAVEL ACCESS ROAD



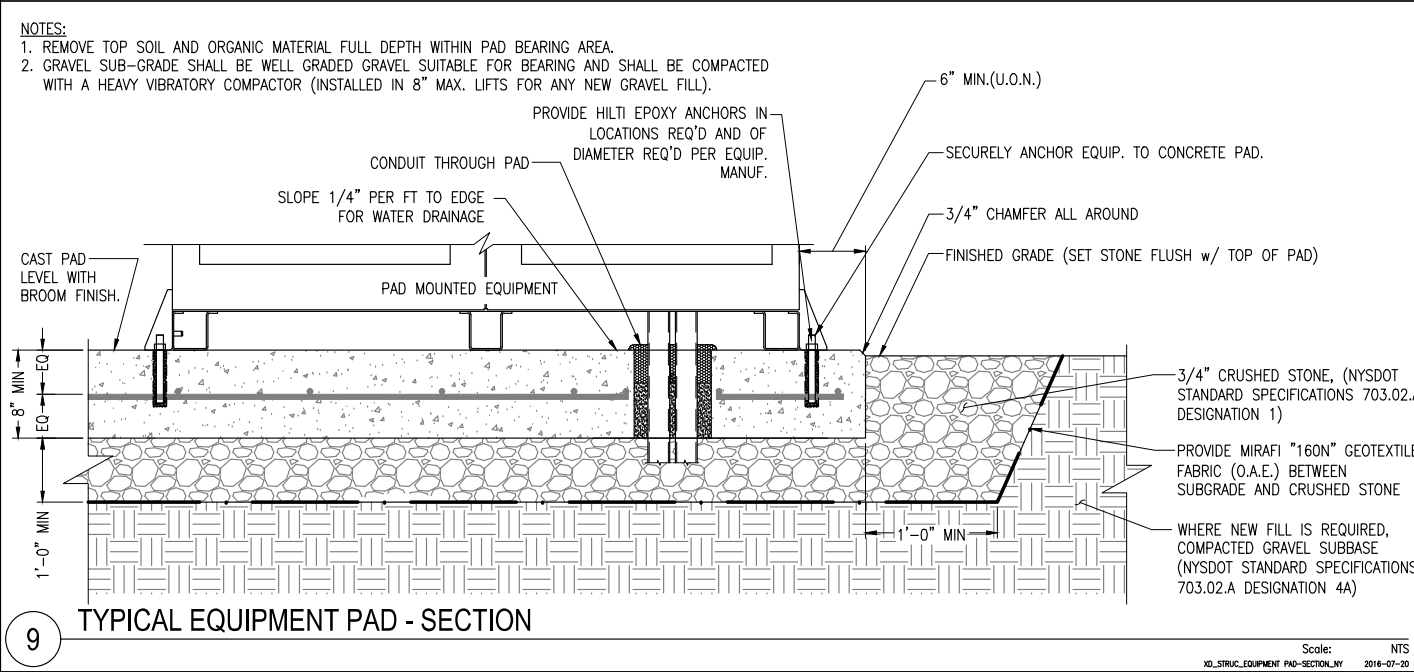
8 VEHICLE GATE WITH WILDLIFE GAP



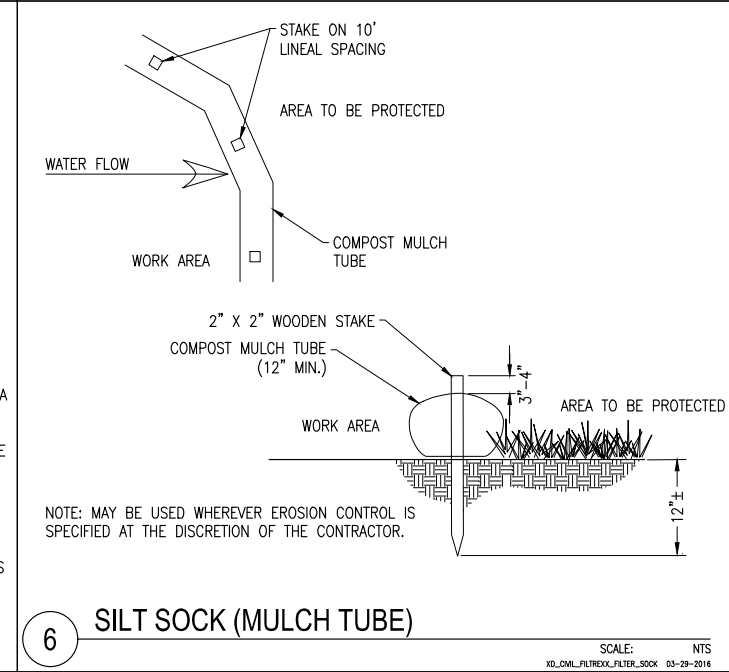
5 CONCRETE WASHOUT BASINS



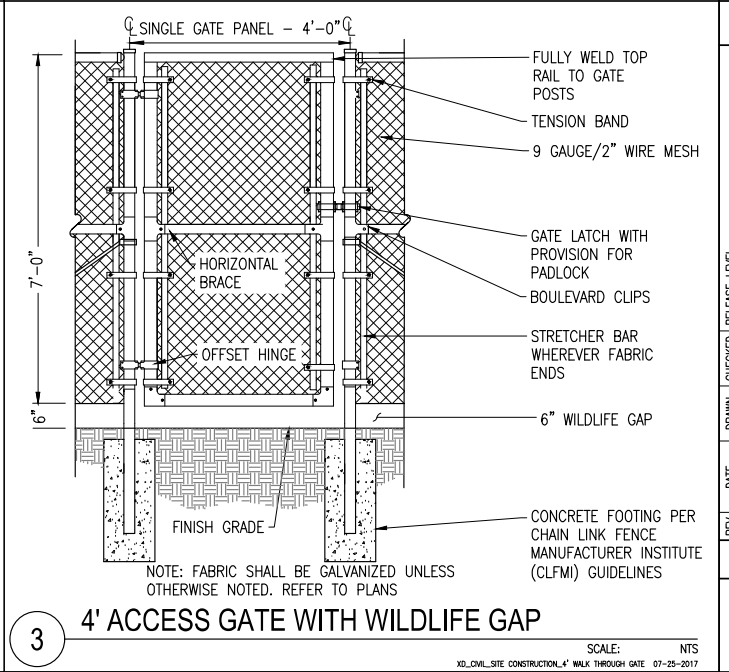
2 CHAIN LINK FENCE WITH WILDLIFE GAP



9 TYPICAL EQUIPMENT PAD - SECTION



6 SILT SOCK (MULCH TUBE)



3 4' ACCESS GATE WITH WILDLIFE GAP

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR

55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER ANY DOCUMENT WHICH BEARS THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

SITE USE PERMIT

381 N HIGHLAND AVE
OSSINING, NY 10562

PROJECT NUMBER:
908-1684

REV	DATE	DESCRIPTION	CHECKED	RELEASE LEVEL
GG	10/16/20	GG SITE USE PERMIT SET	GG	GG
DC	10/22/20	DC PER TOWN COMMENTS	DC	DC
GG	12/15/20	GG PER TOWN COMMENTS	GG	GG

SCALE: 1" = 24" X 36"

C-5.0

CIVIL DETAILS

Appendix B

**SPDES General Permit
GP-0-20-001**



Department of
Environmental
Conservation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SPDES GENERAL PERMIT
FOR STORMWATER DISCHARGES

From

CONSTRUCTION ACTIVITY

Permit No. GP- 0-20-001

Issued Pursuant to Article 17, Titles 7, 8 and Article 70
of the Environmental Conservation Law

Effective Date: January 29, 2020

Expiration Date: January 28, 2025

John J. Ferguson

Chief Permit Administrator

A handwritten signature in black ink, appearing to be "John J. Ferguson", written over a horizontal line. The signature is stylized and cursive.

Authorized Signature

1-23-20

Date

Address: NYS DEC
Division of Environmental Permits
625 Broadway, 4th Floor
Albany, N.Y. 12233-1750

PREFACE

Pursuant to Section 402 of the Clean Water Act (“CWA”), stormwater *discharges* from certain *construction activities* are unlawful unless they are authorized by a *National Pollutant Discharge Elimination System (“NPDES”)* permit or by a state permit program. New York administers the approved State Pollutant Discharge Elimination System (SPDES) program with permits issued in accordance with the New York State Environmental Conservation Law (ECL) Article 17, Titles 7, 8 and Article 70.

An *owner or operator* of a *construction activity* that is eligible for coverage under this permit must obtain coverage prior to the *commencement of construction activity*. Activities that fit the definition of “*construction activity*”, as defined under 40 CFR 122.26(b)(14)(x), (15)(i), and (15)(ii), constitute construction of a *point source* and therefore, pursuant to ECL section 17-0505 and 17-0701, the *owner or operator* must have coverage under a SPDES permit prior to *commencing construction activity*. The *owner or operator* cannot wait until there is an actual *discharge* from the *construction site* to obtain permit coverage.

***Note: The italicized words/phrases within this permit are defined in Appendix A.**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM
CONSTRUCTION ACTIVITIES**

Table of Contents

Part 1. PERMIT COVERAGE AND LIMITATIONS	1
A. Permit Application	1
B. Effluent Limitations Applicable to Discharges from Construction Activities	1
C. Post-construction Stormwater Management Practice Requirements	4
D. Maintaining Water Quality	8
E. Eligibility Under This General Permit.....	9
F. Activities Which Are Ineligible for Coverage Under This General Permit	9
Part II. PERMIT COVERAGE	12
A. How to Obtain Coverage	12
B. Notice of Intent (NOI) Submittal	13
C. Permit Authorization	13
D. General Requirements For Owners or Operators With Permit Coverage	15
E. Permit Coverage for Discharges Authorized Under GP-0-15-002.....	17
F. Change of Owner or Operator	17
Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	18
A. General SWPPP Requirements	18
B. Required SWPPP Contents	20
C. Required SWPPP Components by Project Type.....	24
Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS	24
A. General Construction Site Inspection and Maintenance Requirements	24
B. Contractor Maintenance Inspection Requirements	24
C. Qualified Inspector Inspection Requirements	25
Part V. TERMINATION OF PERMIT COVERAGE	29
A. Termination of Permit Coverage	29
Part VI. REPORTING AND RETENTION RECORDS	31
A. Record Retention	31
B. Addresses	31
Part VII. STANDARD PERMIT CONDITIONS.....	31
A. Duty to Comply.....	31
B. Continuation of the Expired General Permit.....	32
C. Enforcement.....	32
D. Need to Halt or Reduce Activity Not a Defense.....	32
E. Duty to Mitigate	33
F. Duty to Provide Information.....	33
G. Other Information	33
H. Signatory Requirements.....	33
I. Property Rights	35
J. Severability.....	35

K.	Requirement to Obtain Coverage Under an Alternative Permit	35
L.	Proper Operation and Maintenance	36
M.	Inspection and Entry	36
N.	Permit Actions	37
O.	Definitions	37
P.	Re-Opener Clause	37
Q.	Penalties for Falsification of Forms and Reports	37
R.	Other Permits	38
APPENDIX A – Acronyms and Definitions		39
Acronyms.....		39
Definitions.....		40
APPENDIX B – Required SWPPP Components by Project Type		48
Table 1.....		48
Table 2.....		50
APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal		52
APPENDIX D – Watersheds with Lower Disturbance Threshold		58
APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)		59
APPENDIX F – List of NYS DEC Regional Offices		65

Part 1. PERMIT COVERAGE AND LIMITATIONS

A. Permit Application

This permit authorizes stormwater *discharges* to *surface waters of the State* from the following *construction activities* identified within 40 CFR Parts 122.26(b)(14)(x), 122.26(b)(15)(i) and 122.26(b)(15)(ii), provided all of the eligibility provisions of this permit are met:

1. *Construction activities* involving soil disturbances of one (1) or more acres; including disturbances of less than one acre that are part of a *larger common plan of development or sale* that will ultimately disturb one or more acres of land; excluding *routine maintenance activity* that is performed to maintain the original line and grade, hydraulic capacity or original purpose of a facility;
2. *Construction activities* involving soil disturbances of less than one (1) acre where the Department has determined that a *SPDES* permit is required for stormwater *discharges* based on the potential for contribution to a violation of a *water quality standard* or for significant contribution of *pollutants* to *surface waters of the State*.
3. *Construction activities* located in the watershed(s) identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.

B. Effluent Limitations Applicable to Discharges from Construction Activities

Discharges authorized by this permit must achieve, at a minimum, the effluent limitations in Part I.B.1. (a) – (f) of this permit. These limitations represent the degree of effluent reduction attainable by the application of best practicable technology currently available.

1. Erosion and Sediment Control Requirements - The *owner or operator* must select, design, install, implement and maintain control measures to *minimize* the *discharge of pollutants* and prevent a violation of the *water quality standards*. The selection, design, installation, implementation, and maintenance of these control measures must meet the non-numeric effluent limitations in Part I.B.1.(a) – (f) of this permit and be in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, using sound engineering judgment. Where control measures are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must include in the *Stormwater Pollution Prevention Plan* (“SWPPP”) the reason(s) for the

deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

- a. **Erosion and Sediment Controls.** Design, install and maintain effective erosion and sediment controls to *minimize* the *discharge* of *pollutants* and prevent a violation of the *water quality standards*. At a minimum, such controls must be designed, installed and maintained to:
- (i) *Minimize* soil erosion through application of runoff control and soil stabilization control measure to *minimize pollutant discharges*;
 - (ii) Control stormwater *discharges*, including both peak flowrates and total stormwater volume, to *minimize* channel and *streambank* erosion and scour in the immediate vicinity of the *discharge* points;
 - (iii) *Minimize* the amount of soil exposed during *construction activity*;
 - (iv) *Minimize* the disturbance of *steep slopes*;
 - (v) *Minimize* sediment *discharges* from the site;
 - (vi) Provide and maintain *natural buffers* around surface waters, direct stormwater to vegetated areas and maximize stormwater infiltration to reduce *pollutant discharges*, unless *infeasible*;
 - (vii) *Minimize* soil compaction. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted;
 - (viii) Unless *infeasible*, preserve a sufficient amount of topsoil to complete soil restoration and establish a uniform, dense vegetative cover; and
 - (ix) *Minimize* dust. On areas of exposed soil, *minimize* dust through the appropriate application of water or other dust suppression techniques to control the generation of pollutants that could be discharged from the site.
- b. **Soil Stabilization.** In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within fourteen (14) days from the date the current soil disturbance activity ceased. For construction sites that *directly discharge* to one of the 303(d) segments

listed in Appendix E or is located in one of the watersheds listed in Appendix C, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. See Appendix A for definition of *Temporarily Ceased*.

- c. **Dewatering.** *Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, must be managed by appropriate control measures.*
- d. **Pollution Prevention Measures.** Design, install, implement, and maintain effective pollution prevention measures to *minimize the discharge of pollutants* and prevent a violation of the *water quality standards*. At a minimum, such measures must be designed, installed, implemented and maintained to:
 - (i) *Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. This applies to washing operations that use clean water only. Soaps, detergents and solvents cannot be used;*
 - (ii) *Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, hazardous and toxic waste, and other materials present on the site to precipitation and to stormwater. Minimization of exposure is not required in cases where the exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk of stormwater contamination (such as final products and materials intended for outdoor use) ; and*
 - (iii) *Prevent the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures.*
- e. **Prohibited Discharges.** The following *discharges* are prohibited:
 - (i) *Wastewater from washout of concrete;*
 - (ii) *Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials;*

- (iii) Fuels, oils, or other *pollutants* used in vehicle and equipment operation and maintenance;
 - (iv) Soaps or solvents used in vehicle and equipment washing; and
 - (v) Toxic or hazardous substances from a spill or other release.
- f. Surface Outlets. When discharging from basins and impoundments, the outlets shall be designed, constructed and maintained in such a manner that sediment does not leave the basin or impoundment and that erosion at or below the outlet does not occur.

C. Post-construction Stormwater Management Practice Requirements

1. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must select, design, install, and maintain the practices to meet the *performance criteria* in the New York State Stormwater Management Design Manual (“Design Manual”), dated January 2015, using sound engineering judgment. Where post-construction stormwater management practices (“SMPs”) are not designed in conformance with the *performance criteria* in the Design Manual, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.
2. The *owner or operator* of a *construction activity* that requires post-construction stormwater management practices pursuant to Part III.C. of this permit must design the practices to meet the applicable *sizing criteria* in Part I.C.2.a., b., c. or d. of this permit.

a. Sizing Criteria for New Development

- (i) Runoff Reduction Volume (“RRv”): Reduce the total Water Quality Volume (“WQv”) by application of RR techniques and standard SMPs with RRv capacity. The total WQv shall be calculated in accordance with the criteria in Section 4.2 of the Design Manual.
- (ii) Minimum RRv and Treatment of Remaining Total WQv: Construction activities that cannot meet the criteria in Part I.C.2.a.(i) of this permit due to site limitations shall direct runoff from all newly constructed impervious areas to a RR technique or standard SMP with RRv capacity unless infeasible. The specific site limitations that prevent the reduction of 100% of the WQv shall be documented in the SWPPP.

For each impervious area that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered infeasible.

In no case shall the runoff reduction achieved from the newly constructed impervious areas be less than the Minimum RRv as calculated using the criteria in Section 4.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

- (iii) Channel Protection Volume (“Cpv”): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
 - (1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
 - (2) The site discharges directly to tidal waters, or fifth order or larger streams.
- (iv) *Overbank* Flood Control Criteria (“Qp”): Requires storage to attenuate the post-development 10-year, 24-hour peak discharge rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
 - (1) the site discharges directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.
- (v) Extreme Flood Control Criteria (“Qf”): Requires storage to attenuate the post-development 100-year, 24-hour peak discharge rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
 - (1) the site discharges directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.

b. Sizing Criteria for New Development in Enhanced Phosphorus Removal Watershed

- (i) Runoff Reduction Volume (RRv): Reduce the total Water Quality Volume (WQv) by application of RR techniques and standard SMPs with RRv capacity. The total WQv is the runoff volume from the 1-year, 24 hour design storm over the post-developed watershed and shall be

calculated in accordance with the criteria in Section 10.3 of the Design Manual.

- (ii) Minimum RRv and Treatment of Remaining Total WQv: *Construction activities* that cannot meet the criteria in Part I.C.2.b.(i) of this permit due to *site limitations* shall direct runoff from all newly constructed *impervious areas* to a RR technique or standard SMP with RRv capacity unless *infeasible*. The specific *site limitations* that prevent the reduction of 100% of the WQv shall be documented in the SWPPP. For each *impervious area* that is not directed to a RR technique or standard SMP with RRv capacity, the SWPPP must include documentation which demonstrates that all options were considered and for each option explains why it is considered *infeasible*.

In no case shall the runoff reduction achieved from the newly constructed *impervious areas* be less than the Minimum RRv as calculated using the criteria in Section 10.3 of the Design Manual. The remaining portion of the total WQv that cannot be reduced shall be treated by application of standard SMPs.

- (iii) Channel Protection Volume (Cpv): Provide 24 hour extended detention of the post-developed 1-year, 24-hour storm event; remaining after runoff reduction. The Cpv requirement does not apply when:
 - (1) Reduction of the entire Cpv is achieved by application of runoff reduction techniques or infiltration systems, or
 - (2) The site *discharges* directly to tidal waters, or fifth order or larger streams.
- (iv) Overbank Flood Control Criteria (Qp): Requires storage to attenuate the post-development 10-year, 24-hour peak *discharge* rate (Qp) to predevelopment rates. The Qp requirement does not apply when:
 - (1) the site *discharges* directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.
- (v) Extreme Flood Control Criteria (Qf): Requires storage to attenuate the post-development 100-year, 24-hour peak *discharge* rate (Qf) to predevelopment rates. The Qf requirement does not apply when:
 - (1) the site *discharges* directly to tidal waters or fifth order or larger streams, or
 - (2) A downstream analysis reveals that *overbank* control is not required.

c. Sizing Criteria for Redevelopment Activity

- (i) Water Quality Volume (WQv): The WQv treatment objective for *redevelopment activity* shall be addressed by one of the following options. *Redevelopment activities* located in an Enhanced Phosphorus Removal Watershed (see Part III.B.3. and Appendix C of this permit) shall calculate the WQv in accordance with Section 10.3 of the Design Manual. All other *redevelopment activities* shall calculate the WQv in accordance with Section 4.2 of the Design Manual.
 - (1) Reduce the existing *impervious cover* by a minimum of 25% of the total disturbed, *impervious area*. The Soil Restoration criteria in Section 5.1.6 of the Design Manual must be applied to all newly created pervious areas, or
 - (2) Capture and treat a minimum of 25% of the WQv from the disturbed, *impervious area* by the application of standard SMPs; or reduce 25% of the WQv from the disturbed, *impervious area* by the application of RR techniques or standard SMPs with RRV capacity., or
 - (3) Capture and treat a minimum of 75% of the WQv from the disturbed, *impervious area* as well as any additional runoff from tributary areas by application of the alternative practices discussed in Sections 9.3 and 9.4 of the Design Manual., or
 - (4) Application of a combination of 1, 2 and 3 above that provide a weighted average of at least two of the above methods. Application of this method shall be in accordance with the criteria in Section 9.2.1(B) (IV) of the Design Manual.

If there is an existing post-construction stormwater management practice located on the site that captures and treats runoff from the *impervious area* that is being disturbed, the WQv treatment option selected must, at a minimum, provide treatment equal to the treatment that was being provided by the existing practice(s) if that treatment is greater than the treatment required by options 1 – 4 above.

- (ii) Channel Protection Volume (Cpv): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.
- (iii) Overbank Flood Control Criteria (Qp): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site.
- (iv) Extreme Flood Control Criteria (Qf): Not required if there are no changes to hydrology that increase the *discharge* rate from the project site

d. Sizing Criteria for Combination of Redevelopment Activity and New Development

Construction projects that include both New Development and Redevelopment Activity shall provide post-construction stormwater management controls that meet the sizing criteria calculated as an aggregate of the Sizing Criteria in Part I.C.2.a. or b. of this permit for the New Development portion of the project and Part I.C.2.c of this permit for Redevelopment Activity portion of the project.

D. Maintaining Water Quality

The Department expects that compliance with the conditions of this permit will control *discharges* necessary to meet applicable *water quality standards*. It shall be a violation of the *ECL* for any discharge to either cause or contribute to a violation of *water quality standards* as contained in Parts 700 through 705 of Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, such as:

1. There shall be no increase in turbidity that will cause a substantial visible contrast to natural conditions;
2. There shall be no increase in suspended, colloidal or settleable solids that will cause deposition or impair the waters for their best usages; and
3. There shall be no residue from oil and floating substances, nor visible oil film, nor globules of grease.

If there is evidence indicating that the stormwater *discharges* authorized by this permit are causing, have the reasonable potential to cause, or are contributing to a violation of the *water quality standards*; the *owner or operator* must take appropriate corrective action in accordance with Part IV.C.5. of this general permit and document in accordance with Part IV.C.4. of this general permit. To address the *water quality standard* violation the *owner or operator* may need to provide additional information, include and implement appropriate controls in the SWPPP to correct the problem, or obtain an individual SPDES permit.

If there is evidence indicating that despite compliance with the terms and conditions of this general permit it is demonstrated that the stormwater *discharges* authorized by this permit are causing or contributing to a violation of *water quality standards*, or if the Department determines that a modification of the permit is necessary to prevent a violation of *water quality standards*, the authorized *discharges* will no longer be eligible for coverage under this permit. The Department may require the *owner or operator* to obtain an individual SPDES permit to continue discharging.

E. Eligibility Under This General Permit

1. This permit may authorize all *discharges* of stormwater from *construction activity to surface waters of the State* and *groundwaters* except for ineligible *discharges* identified under subparagraph F. of this Part.
2. Except for non-stormwater *discharges* explicitly listed in the next paragraph, this permit only authorizes stormwater *discharges*; including stormwater runoff, snowmelt runoff, and surface runoff and drainage, from *construction activities*.
3. Notwithstanding paragraphs E.1 and E.2 above, the following non-stormwater discharges are authorized by this permit: those listed in 6 NYCRR 750-1.2(a)(29)(vi), with the following exception: “Discharges from firefighting activities are authorized only when the firefighting activities are emergencies/unplanned”; waters to which other components have not been added that are used to control dust in accordance with the SWPPP; and uncontaminated *discharges* from *construction site* de-watering operations. All non-stormwater discharges must be identified in the SWPPP. Under all circumstances, the *owner or operator* must still comply with *water quality standards* in Part I.D of this permit.
4. The *owner or operator* must maintain permit eligibility to *discharge* under this permit. Any *discharges* that are not compliant with the eligibility conditions of this permit are not authorized by the permit and the *owner or operator* must either apply for a separate permit to cover those ineligible *discharges* or take steps necessary to make the *discharge* eligible for coverage.

F. Activities Which Are Ineligible for Coverage Under This General Permit

All of the following are **not** authorized by this permit:

1. *Discharges after construction activities* have been completed and the site has undergone *final stabilization*;
2. *Discharges* that are mixed with sources of non-stormwater other than those expressly authorized under subsection E.3. of this Part and identified in the SWPPP required by this permit;
3. *Discharges* that are required to obtain an individual SPDES permit or another SPDES general permit pursuant to Part VII.K. of this permit;
4. *Construction activities or discharges from construction activities* that may adversely affect an *endangered or threatened species* unless the *owner or*

operator has obtained a permit issued pursuant to 6 NYCRR Part 182 for the project or the Department has issued a letter of non-jurisdiction for the project. All documentation necessary to demonstrate eligibility shall be maintained on site in accordance with Part II.D.2 of this permit;

5. *Discharges* which either cause or contribute to a violation of *water quality standards* adopted pursuant to the *ECL* and its accompanying regulations;
6. *Construction activities* for residential, commercial and institutional projects:
 - a. Where the *discharges* from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and
 - b. Which are undertaken on land with no existing *impervious cover*; and
 - c. Which disturb one (1) or more acres of land designated on the current United States Department of Agriculture ("USDA") Soil Survey as Soil Slope Phase "D", (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.
7. *Construction activities* for linear transportation projects and linear utility projects:
 - a. Where the *discharges* from the *construction activities* are tributary to waters of the state classified as AA or AA-s; and
 - b. Which are undertaken on land with no existing *impervious cover*; and
 - c. Which disturb two (2) or more acres of land designated on the current USDA Soil Survey as Soil Slope Phase "D" (provided the map unit name is inclusive of slopes greater than 25%), or Soil Slope Phase "E" or "F" (regardless of the map unit name), or a combination of the three designations.

8. *Construction activities* that have the potential to affect an *historic property*, unless there is documentation that such impacts have been resolved. The following documentation necessary to demonstrate eligibility with this requirement shall be maintained on site in accordance with Part II.D.2 of this permit and made available to the Department in accordance with Part VII.F of this permit:
- a. Documentation that the *construction activity* is not within an archeologically sensitive area indicated on the sensitivity map, and that the *construction activity* is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places, and that there is no new permanent building on the *construction site* within the following distances from a building, structure, or object that is more than 50 years old, or if there is such a new permanent building on the *construction site* within those parameters that NYS Office of Parks, Recreation and Historic Preservation (OPRHP), a Historic Preservation Commission of a Certified Local Government, or a qualified preservation professional has determined that the building, structure, or object more than 50 years old is not historically/archeologically significant.
 - 1-5 acres of disturbance - 20 feet
 - 5-20 acres of disturbance - 50 feet
 - 20+ acres of disturbance - 100 feet, or
 - b. DEC consultation form sent to OPRHP, and copied to the NYS DEC Agency Historic Preservation Officer (APO), and
 - (i) the State Environmental Quality Review (SEQR) Environmental Assessment Form (EAF) with a negative declaration or the Findings Statement, with documentation of OPRHP's agreement with the resolution; or
 - (ii) documentation from OPRHP that the *construction activity* will result in No Impact; or
 - (iii) documentation from OPRHP providing a determination of No Adverse Impact; or
 - (iv) a Letter of Resolution signed by the owner/operator, OPRHP and the DEC APO which allows for this *construction activity* to be eligible for coverage under the general permit in terms of the State Historic Preservation Act (SHPA); or
 - c. Documentation of satisfactory compliance with Section 106 of the National Historic Preservation Act for a coterminous project area:

- (i) No Affect
- (ii) No Adverse Affect
- (iii) Executed Memorandum of Agreement, or

d. Documentation that:

- (i) SHPA Section 14.09 has been completed by NYS DEC or another state agency.

9. *Discharges from construction activities* that are subject to an existing SPDES individual or general permit where a SPDES permit for *construction activity* has been terminated or denied; or where the *owner or operator* has failed to renew an expired individual permit.

Part II. PERMIT COVERAGE

A. How to Obtain Coverage

1. An *owner or operator* of a *construction activity* that is not subject to the requirements of a regulated, traditional land use control MS4 must first prepare a SWPPP in accordance with all applicable requirements of this permit and then submit a completed Notice of Intent (NOI) to the Department to be authorized to discharge under this permit.
2. An *owner or operator* of a *construction activity* that is subject to the requirements of a *regulated, traditional land use control MS4* must first prepare a SWPPP in accordance with all applicable requirements of this permit and then have the SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department. The *owner or operator* shall have the "MS4 SWPPP Acceptance" form signed in accordance with Part VII.H., and then submit that form along with a completed NOI to the Department.
3. The requirement for an *owner or operator* to have its SWPPP reviewed and accepted by the *regulated, traditional land use control MS4* prior to submitting the NOI to the Department does not apply to an *owner or operator* that is obtaining permit coverage in accordance with the requirements in Part II.F. (Change of Owner or Operator) or where the *owner or operator* of the *construction activity* is the *regulated, traditional land use control MS4*. This exemption does not apply to *construction activities* subject to the New York City Administrative Code.

B. Notice of Intent (NOI) Submittal

1. Prior to December 21, 2020, an owner or operator shall use either the electronic (eNOI) or paper version of the NOI that the Department prepared. Both versions of the NOI are located on the Department's website (<http://www.dec.ny.gov/>). The paper version of the NOI shall be signed in accordance with Part VII.H. of this permit and submitted to the following address:

**NOTICE OF INTENT
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505**

2. Beginning December 21, 2020 and in accordance with EPA's 2015 NPDES Electronic Reporting Rule (40 CFR Part 127), the *owner or operator* must submit the NOI electronically using the *Department's* online NOI.
3. The *owner or operator* shall have the SWPPP preparer sign the "SWPPP Preparer Certification" statement on the NOI prior to submitting the form to the Department.
4. As of the date the NOI is submitted to the Department, the *owner or operator* shall make the NOI and SWPPP available for review and copying in accordance with the requirements in Part VII.F. of this permit.

C. Permit Authorization

1. An *owner or operator* shall not *commence construction activity* until their authorization to *discharge* under this permit goes into effect.
2. Authorization to *discharge* under this permit will be effective when the *owner or operator* has satisfied all of the following criteria:
 - a. project review pursuant to the State Environmental Quality Review Act ("SEQRA") have been satisfied, when SEQRA is applicable. See the Department's website (<http://www.dec.ny.gov/>) for more information,
 - b. where required, all necessary Department permits subject to the *Uniform Procedures Act* ("UPA") (see 6 NYCRR Part 621), or the equivalent from another New York State agency, have been obtained, unless otherwise notified by the Department pursuant to 6 NYCRR 621.3(a)(4). *Owners or operators of construction activities* that are required to obtain UPA permits

must submit a preliminary SWPPP to the appropriate DEC Permit Administrator at the Regional Office listed in Appendix F at the time all other necessary *UPA* permit applications are submitted. The preliminary SWPPP must include sufficient information to demonstrate that the *construction activity* qualifies for authorization under this permit,

- c. the final SWPPP has been prepared, and
 - d. a complete NOI has been submitted to the Department in accordance with the requirements of this permit.
3. An *owner or operator* that has satisfied the requirements of Part II.C.2 above will be authorized to *discharge* stormwater from their *construction activity* in accordance with the following schedule:
- a. For *construction activities* that are not subject to the requirements of a *regulated, traditional land use control MS4*:
 - (i) Five (5) business days from the date the Department receives a complete electronic version of the NOI (eNOI) for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.; or
 - (ii) Sixty (60) business days from the date the Department receives a complete NOI (electronic or paper version) for *construction activities* with a SWPPP that has not been prepared in conformance with the design criteria in technical standard referenced in Part III.B.1. or, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C., the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, or;
 - (iii) Ten (10) business days from the date the Department receives a complete paper version of the NOI for *construction activities* with a SWPPP that has been prepared in conformance with the design criteria in the technical standard referenced in Part III.B.1 and the *performance criteria* in the technical standard referenced in Parts III.B., 2 or 3, for *construction activities* that require post-construction stormwater management practices pursuant to Part III.C.

- b. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*:
 - (i) Five (5) business days from the date the Department receives both a complete electronic version of the NOI (eNOI) and signed “MS4 SWPPP Acceptance” form, or
 - (ii) Ten (10) business days from the date the Department receives both a complete paper version of the NOI and signed “MS4 SWPPP Acceptance” form.
- 4. Coverage under this permit authorizes stormwater *discharges* from only those areas of disturbance that are identified in the NOI. If an *owner or operator* wishes to have stormwater *discharges* from future or additional areas of disturbance authorized, they must submit a new NOI that addresses that phase of the development, unless otherwise notified by the Department. The *owner or operator* shall not *commence construction activity* on the future or additional areas until their authorization to *discharge* under this permit goes into effect in accordance with Part II.C. of this permit.

D. General Requirements For Owners or Operators With Permit Coverage

- 1. The *owner or operator* shall ensure that the provisions of the SWPPP are implemented from the *commencement of construction activity* until all areas of disturbance have achieved *final stabilization* and the Notice of Termination (“NOT”) has been submitted to the Department in accordance with Part V. of this permit. This includes any changes made to the SWPPP pursuant to Part III.A.4. of this permit.
- 2. The *owner or operator* shall maintain a copy of the General Permit (GP-0-20-001), NOI, *NOI Acknowledgment Letter*, SWPPP, MS4 SWPPP Acceptance form, inspection reports, responsible contractor’s or subcontractor’s certification statement (see Part III.A.6.), and all documentation necessary to demonstrate eligibility with this permit at the *construction site* until all disturbed areas have achieved *final stabilization* and the NOT has been submitted to the Department. The documents must be maintained in a secure location, such as a job trailer, on-site construction office, or mailbox with lock. The secure location must be accessible during normal business hours to an individual performing a compliance inspection.
- 3. The *owner or operator* of a *construction activity* shall not disturb greater than five (5) acres of soil at any one time without prior written authorization from the Department or, in areas under the jurisdiction of a *regulated, traditional land*

use control MS4, the regulated, traditional land use control MS4 (provided the regulated, traditional land use control MS4 is not the owner or operator of the construction activity). At a minimum, the owner or operator must comply with the following requirements in order to be authorized to disturb greater than five (5) acres of soil at any one time:

- a. The *owner or operator* shall have a *qualified inspector* conduct **at least** two (2) site inspections in accordance with Part IV.C. of this permit every seven (7) calendar days, for as long as greater than five (5) acres of soil remain disturbed. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
 - b. In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the current soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016.
 - c. The *owner or operator* shall prepare a phasing plan that defines maximum disturbed area per phase and shows required cuts and fills.
 - d. The *owner or operator* shall install any additional site-specific practices needed to protect water quality.
 - e. The *owner or operator* shall include the requirements above in their SWPPP.
4. In accordance with statute, regulations, and the terms and conditions of this permit, the Department may suspend or revoke an *owner's or operator's* coverage under this permit at any time if the Department determines that the SWPPP does not meet the permit requirements or consistent with Part VII.K..
 5. Upon a finding of significant non-compliance with the practices described in the SWPPP or violation of this permit, the Department may order an immediate stop to all activity at the site until the non-compliance is remedied. The stop work order shall be in writing, describe the non-compliance in detail, and be sent to the *owner or operator*.
 6. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4*, the *owner or operator* shall notify the

regulated, traditional land use control MS4 in writing of any planned amendments or modifications to the post-construction stormwater management practice component of the SWPPP required by Part III.A. 4. and 5. of this permit. Unless otherwise notified by the *regulated, traditional land use control MS4*, the *owner or operator* shall have the SWPPP amendments or modifications reviewed and accepted by the *regulated, traditional land use control MS4* prior to commencing construction of the post-construction stormwater management practice.

E. Permit Coverage for Discharges Authorized Under GP-0-15-002

1. Upon renewal of SPDES General Permit for Stormwater Discharges from *Construction Activity* (Permit No. GP-0-15-002), an *owner or operator* of a *construction activity* with coverage under GP-0-15-002, as of the effective date of GP- 0-20-001, shall be authorized to *discharge* in accordance with GP- 0-20-001, unless otherwise notified by the Department.

An *owner or operator* may continue to implement the technical/design components of the post-construction stormwater management controls provided that such design was done in conformance with the technical standards in place at the time of initial project authorization. However, they must comply with the other, non-design provisions of GP-0-20-001.

F. Change of Owner or Operator

1. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original *owner or operator* must notify the new *owner or operator*, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For *construction activities* subject to the requirements of a *regulated, traditional land use control MS4*, the original *owner or operator* must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.
2. Once the new *owner or operator* obtains permit coverage, the original *owner or operator* shall then submit a completed NOT with the name and permit identification number of the new *owner or operator* to the Department at the address in Part II.B.1. of this permit. If the original *owner or operator* maintains ownership of a portion of the *construction activity* and will disturb soil, they must maintain their coverage under the permit.
3. Permit coverage for the new *owner or operator* will be effective as of the date the Department receives a complete NOI, provided the original *owner or*

operator was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new *owner or operator*.

Part III. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

A. General SWPPP Requirements

1. A SWPPP shall be prepared and implemented by the *owner or operator* of each *construction activity* covered by this permit. The SWPPP must document the selection, design, installation, implementation and maintenance of the control measures and practices that will be used to meet the effluent limitations in Part I.B. of this permit and where applicable, the post-construction stormwater management practice requirements in Part I.C. of this permit. The SWPPP shall be prepared prior to the submittal of the NOI. The NOI shall be submitted to the Department prior to the *commencement of construction activity*. A copy of the completed, final NOI shall be included in the SWPPP.
2. The SWPPP shall describe the erosion and sediment control practices and where required, post-construction stormwater management practices that will be used and/or constructed to reduce the *pollutants* in stormwater *discharges* and to assure compliance with the terms and conditions of this permit. In addition, the SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater *discharges*.
3. All SWPPPs that require the post-construction stormwater management practice component shall be prepared by a *qualified professional* that is knowledgeable in the principles and practices of stormwater management and treatment.
4. The *owner or operator* must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the *owner or operator* shall amend the SWPPP, including construction drawings:
 - a. whenever the current provisions prove to be ineffective in minimizing *pollutants* in stormwater *discharges* from the site;

- b. whenever there is a change in design, construction, or operation at the *construction site* that has or could have an effect on the *discharge* of *pollutants*;
 - c. to address issues or deficiencies identified during an inspection by the *qualified inspector*, the Department or other regulatory authority; and
 - d. to document the final construction conditions.
5. The Department may notify the *owner or operator* at any time that the SWPPP does not meet one or more of the minimum requirements of this permit. The notification shall be in writing and identify the provisions of the SWPPP that require modification. Within fourteen (14) calendar days of such notification, or as otherwise indicated by the Department, the *owner or operator* shall make the required changes to the SWPPP and submit written notification to the Department that the changes have been made. If the *owner or operator* does not respond to the Department's comments in the specified time frame, the Department may suspend the *owner's or operator's* coverage under this permit or require the *owner or operator* to obtain coverage under an individual SPDES permit in accordance with Part II.D.4. of this permit.
6. Prior to the *commencement of construction activity*, the *owner or operator* must identify the contractor(s) and subcontractor(s) that will be responsible for installing, constructing, repairing, replacing, inspecting and maintaining the erosion and sediment control practices included in the SWPPP; and the contractor(s) and subcontractor(s) that will be responsible for constructing the post-construction stormwater management practices included in the SWPPP. The *owner or operator* shall have each of the contractors and subcontractors identify at least one person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the *trained contractor*. The *owner or operator* shall ensure that at least one *trained contractor* is on site on a daily basis when soil disturbance activities are being performed.

The *owner or operator* shall have each of the contractors and subcontractors identified above sign a copy of the following certification statement below before they commence any *construction activity*:

"I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with

the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges* from *construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment for knowing violations"

In addition to providing the certification statement above, the certification page must also identify the specific elements of the SWPPP that each contractor and subcontractor will be responsible for and include the name and title of the person providing the signature; the name and title of the *trained contractor* responsible for SWPPP implementation; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification statement is signed. The *owner or operator* shall attach the certification statement(s) to the copy of the SWPPP that is maintained at the *construction site*. If new or additional contractors are hired to implement measures identified in the SWPPP after construction has commenced, they must also sign the certification statement and provide the information listed above.

7. For projects where the Department requests a copy of the SWPPP or inspection reports, the *owner or operator* shall submit the documents in both electronic (PDF only) and paper format within five (5) business days, unless otherwise notified by the Department.

B. Required SWPPP Contents

1. Erosion and sediment control component - All SWPPPs prepared pursuant to this permit shall include erosion and sediment control practices designed in conformance with the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Where erosion and sediment control practices are not designed in conformance with the design criteria included in the technical standard, the *owner or operator* must demonstrate *equivalence* to the technical standard. At a minimum, the erosion and sediment control component of the SWPPP shall include the following:
 - a. Background information about the scope of the project, including the location, type and size of project

- b. A site map/construction drawing(s) for the project, including a general location map. At a minimum, the site map shall show the total site area; all improvements; areas of disturbance; areas that will not be disturbed; existing vegetation; on-site and adjacent off-site surface water(s); floodplain/floodway boundaries; wetlands and drainage patterns that could be affected by the *construction activity*; existing and final contours ; locations of different soil types with boundaries; material, waste, borrow or equipment storage areas located on adjacent properties; and location(s) of the stormwater *discharge(s)*;
- c. A description of the soil(s) present at the site, including an identification of the Hydrologic Soil Group (HSG);
- d. A construction phasing plan and sequence of operations describing the intended order of *construction activities*, including clearing and grubbing, excavation and grading, utility and infrastructure installation and any other activity at the site that results in soil disturbance;
- e. A description of the minimum erosion and sediment control practices to be installed or implemented for each *construction activity* that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented;
- f. A temporary and permanent soil stabilization plan that meets the requirements of this general permit and the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016, for each stage of the project, including initial land clearing and grubbing to project completion and achievement of *final stabilization*;
- g. A site map/construction drawing(s) showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice;
- h. The dimensions, material specifications, installation details, and operation and maintenance requirements for all erosion and sediment control practices. Include the location and sizing of any temporary sediment basins and structural practices that will be used to divert flows from exposed soils;
- i. A maintenance inspection schedule for the contractor(s) identified in Part III.A.6. of this permit, to ensure continuous and effective operation of the erosion and sediment control practices. The maintenance inspection

schedule shall be in accordance with the requirements in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016;

- j. A description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a *pollutant* source in the stormwater *discharges*;
 - k. A description and location of any stormwater *discharges* associated with industrial activity other than construction at the site, including, but not limited to, stormwater *discharges* from asphalt plants and concrete plants located on the *construction site*; and
 - l. Identification of any elements of the design that are not in conformance with the design criteria in the technical standard, New York State Standards and Specifications for Erosion and Sediment Control, dated November 2016. Include the reason for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.
2. Post-construction stormwater management practice component – The *owner or operator* of any construction project identified in Table 2 of Appendix B as needing post-construction stormwater management practices shall prepare a SWPPP that includes practices designed in conformance with the applicable *sizing criteria* in Part I.C.2.a., c. or d. of this permit and the *performance criteria* in the technical standard, New York State Stormwater Management Design Manual dated January 2015

Where post-construction stormwater management practices are not designed in conformance with the *performance criteria* in the technical standard, the *owner or operator* must include in the SWPPP the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the technical standard.

The post-construction stormwater management practice component of the SWPPP shall include the following:

- a. Identification of all post-construction stormwater management practices to be constructed as part of the project. Include the dimensions, material specifications and installation details for each post-construction stormwater management practice;

- b. A site map/construction drawing(s) showing the specific location and size of each post-construction stormwater management practice;
- c. A Stormwater Modeling and Analysis Report that includes:
 - (i) Map(s) showing pre-development conditions, including watershed/subcatchments boundaries, flow paths/routing, and design points;
 - (ii) Map(s) showing post-development conditions, including watershed/subcatchments boundaries, flow paths/routing, design points and post-construction stormwater management practices;
 - (iii) Results of stormwater modeling (i.e. hydrology and hydraulic analysis) for the required storm events. Include supporting calculations (model runs), methodology, and a summary table that compares pre and post-development runoff rates and volumes for the different storm events;
 - (iv) Summary table, with supporting calculations, which demonstrates that each post-construction stormwater management practice has been designed in conformance with the *sizing criteria* included in the Design Manual;
 - (v) Identification of any *sizing criteria* that is not required based on the requirements included in Part I.C. of this permit; and
 - (vi) Identification of any elements of the design that are not in conformance with the *performance criteria* in the Design Manual. Include the reason(s) for the deviation or alternative design and provide information which demonstrates that the deviation or alternative design is *equivalent* to the Design Manual;
- d. Soil testing results and locations (test pits, borings);
- e. Infiltration test results, when required; and
- f. An operations and maintenance plan that includes inspection and maintenance schedules and actions to ensure continuous and effective operation of each post-construction stormwater management practice. The plan shall identify the entity that will be responsible for the long term operation and maintenance of each practice.

3. Enhanced Phosphorus Removal Standards - All construction projects identified in Table 2 of Appendix B that are located in the watersheds identified in Appendix C shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the applicable *sizing criteria* in Part I.C.2. b., c. or d. of this permit and the *performance criteria*, Enhanced Phosphorus Removal Standards included in the Design Manual. At a minimum, the post-construction stormwater management practice component of the SWPPP shall include items 2.a - 2.f. above.

C. Required SWPPP Components by Project Type

Unless otherwise notified by the Department, *owners or operators of construction activities* identified in Table 1 of Appendix B are required to prepare a SWPPP that only includes erosion and sediment control practices designed in conformance with Part III.B.1 of this permit. *Owners or operators of the construction activities* identified in Table 2 of Appendix B shall prepare a SWPPP that also includes post-construction stormwater management practices designed in conformance with Part III.B.2 or 3 of this permit.

Part IV. INSPECTION AND MAINTENANCE REQUIREMENTS

A. General Construction Site Inspection and Maintenance Requirements

1. The *owner or operator* must ensure that all erosion and sediment control practices (including pollution prevention measures) and all post-construction stormwater management practices identified in the SWPPP are inspected and maintained in accordance with Part IV.B. and C. of this permit.
2. The terms of this permit shall not be construed to prohibit the State of New York from exercising any authority pursuant to the ECL, common law or federal law, or prohibit New York State from taking any measures, whether civil or criminal, to prevent violations of the laws of the State of New York or protect the public health and safety and/or the environment.

B. Contractor Maintenance Inspection Requirements

1. The *owner or operator* of each *construction activity* identified in Tables 1 and 2 of Appendix B shall have a *trained contractor* inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating condition at all times. If deficiencies are identified, the contractor shall

begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.

2. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *trained contractor* can stop conducting the maintenance inspections. The *trained contractor* shall begin conducting the maintenance inspections in accordance with Part IV.B.1. of this permit as soon as soil disturbance activities resume.
3. For construction sites where soil disturbance activities have been shut down with partial project completion, the *trained contractor* can stop conducting the maintenance inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational.

C. Qualified Inspector Inspection Requirements

The *owner or operator* shall have a *qualified inspector* conduct site inspections in conformance with the following requirements:

[Note: The *trained contractor* identified in Part III.A.6. and IV.B. of this permit **cannot** conduct the *qualified inspector* site inspections unless they meet the *qualified inspector* qualifications included in Appendix A. In order to perform these inspections, the *trained contractor* would have to be a:

- licensed Professional Engineer,
 - Certified Professional in Erosion and Sediment Control (CPESC),
 - New York State Erosion and Sediment Control Certificate Program holder
 - Registered Landscape Architect, or
 - someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity].
1. A *qualified inspector* shall conduct site inspections for all *construction activities* identified in Tables 1 and 2 of Appendix B, with the exception of:
 - a. the construction of a single family residential subdivision with 25% or less *impervious cover* at total site build-out that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located

in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;

- b. the construction of a single family home that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres and is not located in one of the watersheds listed in Appendix C and not directly discharging to one of the 303(d) segments listed in Appendix E;
 - c. construction on agricultural property that involves a soil disturbance of one (1) or more acres of land but less than five (5) acres; and
 - d. *construction activities* located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.
2. Unless otherwise notified by the Department, the *qualified inspector* shall conduct site inspections in accordance with the following timetable:
- a. For construction sites where soil disturbance activities are on-going, the *qualified inspector* shall conduct a site inspection at least once every seven (7) calendar days.
 - b. For construction sites where soil disturbance activities are on-going and the *owner or operator* has received authorization in accordance with Part II.D.3 to disturb greater than five (5) acres of soil at any one time, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
 - c. For construction sites where soil disturbance activities have been temporarily suspended (e.g. winter shutdown) and *temporary stabilization* measures have been applied to all disturbed areas, the *qualified inspector* shall conduct a site inspection at least once every thirty (30) calendar days. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to reducing the frequency of inspections.

- d. For construction sites where soil disturbance activities have been shut down with partial project completion, the *qualified inspector* can stop conducting inspections if all areas disturbed as of the project shutdown date have achieved *final stabilization* and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational. The *owner or operator* shall notify the DOW Water (SPDES) Program contact at the Regional Office (see contact information in Appendix F) or, in areas under the jurisdiction of a *regulated, traditional land use control MS4*, the *regulated, traditional land use control MS4* (provided the *regulated, traditional land use control MS4* is not the *owner or operator* of the *construction activity*) in writing prior to the shutdown. If soil disturbance activities are not resumed within 2 years from the date of shutdown, the *owner or operator* shall have the *qualified inspector* perform a final inspection and certify that all disturbed areas have achieved *final stabilization*, and all temporary, structural erosion and sediment control measures have been removed; and that all post-construction stormwater management practices have been constructed in conformance with the SWPPP by signing the “*Final Stabilization*” and “*Post-Construction Stormwater Management Practice*” certification statements on the NOT. The *owner or operator* shall then submit the completed NOT form to the address in Part II.B.1 of this permit.
 - e. For construction sites that directly *discharge* to one of the 303(d) segments listed in Appendix E or is located in one of the watersheds listed in Appendix C, the *qualified inspector* shall conduct at least two (2) site inspections every seven (7) calendar days. The two (2) inspections shall be separated by a minimum of two (2) full calendar days.
3. At a minimum, the *qualified inspector* shall inspect all erosion and sediment control practices and pollution prevention measures to ensure integrity and effectiveness, all post-construction stormwater management practices under construction to ensure that they are constructed in conformance with the SWPPP, all areas of disturbance that have not achieved *final stabilization*, all points of *discharge* to natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site*, and all points of *discharge* from the *construction site*.
 4. The *qualified inspector* shall prepare an inspection report subsequent to each and every inspection. At a minimum, the inspection report shall include and/or address the following:

- a. Date and time of inspection;
- b. Name and title of person(s) performing inspection;
- c. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection;
- d. A description of the condition of the runoff at all points of *discharge* from the *construction site*. This shall include identification of any *discharges* of sediment from the *construction site*. Include *discharges* from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
- e. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the *construction site* which receive runoff from disturbed areas. This shall include identification of any *discharges* of sediment to the surface waterbody;
- f. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance;
- g. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;
- h. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection;
- i. Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards;
- j. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s);
- k. Identification and status of all corrective actions that were required by previous inspection; and

- I. Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *qualified inspector* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *qualified inspector* shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.
5. Within one business day of the completion of an inspection, the *qualified inspector* shall notify the *owner or operator* and appropriate contractor or subcontractor identified in Part III.A.6. of this permit of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.
6. All inspection reports shall be signed by the *qualified inspector*. Pursuant to Part II.D.2. of this permit, the inspection reports shall be maintained on site with the SWPPP.

Part V. TERMINATION OF PERMIT COVERAGE

A. Termination of Permit Coverage

1. An *owner or operator* that is eligible to terminate coverage under this permit must submit a completed NOT form to the address in Part II.B.1 of this permit. The NOT form shall be one which is associated with this permit, signed in accordance with Part VII.H of this permit.
2. An *owner or operator* may terminate coverage when one or more the following conditions have been met:
 - a. Total project completion - All *construction activity* identified in the SWPPP has been completed; and all areas of disturbance have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices have been constructed in conformance with the SWPPP and are operational;

- b. Planned shutdown with partial project completion - All soil disturbance activities have ceased; and all areas disturbed as of the project shutdown date have achieved *final stabilization*; and all temporary, structural erosion and sediment control measures have been removed; and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and are operational;
 - c. A new *owner or operator* has obtained coverage under this permit in accordance with Part II.F. of this permit.
 - d. The *owner or operator* obtains coverage under an alternative SPDES general permit or an individual SPDES permit.
3. For *construction activities* meeting subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *qualified inspector* perform a final site inspection prior to submitting the NOT. The *qualified inspector* shall, by signing the “*Final Stabilization*” and “Post-Construction Stormwater Management Practice certification statements on the NOT, certify that all the requirements in Part V.A.2.a. or b. of this permit have been achieved.
4. For *construction activities* that are subject to the requirements of a *regulated, traditional land use control MS4* and meet subdivision 2a. or 2b. of this Part, the *owner or operator* shall have the *regulated, traditional land use control MS4* sign the “MS4 Acceptance” statement on the NOT in accordance with the requirements in Part VII.H. of this permit. The *regulated, traditional land use control MS4* official, by signing this statement, has determined that it is acceptable for the *owner or operator* to submit the NOT in accordance with the requirements of this Part. The *regulated, traditional land use control MS4* can make this determination by performing a final site inspection themselves or by accepting the *qualified inspector’s* final site inspection certification(s) required in Part V.A.3. of this permit.
5. For *construction activities* that require post-construction stormwater management practices and meet subdivision 2a. of this Part, the *owner or operator* must, prior to submitting the NOT, ensure one of the following:
- a. the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located,

- b. an executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s),
- c. for post-construction stormwater management practices that are privately owned, the *owner or operator* has a mechanism in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the *owner or operator's* deed of record,
- d. for post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university, hospital), government agency or authority, or public utility; the *owner or operator* has policy and procedures in place that ensures operation and maintenance of the practices in accordance with the operation and maintenance plan.

Part VI. REPORTING AND RETENTION RECORDS

A. Record Retention

The *owner or operator* shall retain a copy of the NOI, NOI Acknowledgment Letter, SWPPP, MS4 SWPPP Acceptance form and any inspection reports that were prepared in conjunction with this permit for a period of at least five (5) years from the date that the Department receives a complete NOT submitted in accordance with Part V. of this general permit.

B. Addresses

With the exception of the NOI, NOT, and MS4 SWPPP Acceptance form (which must be submitted to the address referenced in Part II.B.1 of this permit), all written correspondence requested by the Department, including individual permit applications, shall be sent to the address of the appropriate DOW Water (SPDES) Program contact at the Regional Office listed in Appendix F.

Part VII. STANDARD PERMIT CONDITIONS

A. Duty to Comply

The *owner or operator* must comply with all conditions of this permit. All contractors and subcontractors associated with the project must comply with the terms of the SWPPP. Any non-compliance with this permit constitutes a violation of the Clean Water

Act (CWA) and the ECL and is grounds for an enforcement action against the *owner or operator* and/or the contractor/subcontractor; permit revocation, suspension or modification; or denial of a permit renewal application. Upon a finding of significant non-compliance with this permit or the applicable SWPPP, the Department may order an immediate stop to all *construction activity* at the site until the non-compliance is remedied. The stop work order shall be in writing, shall describe the non-compliance in detail, and shall be sent to the *owner or operator*.

If any human remains or archaeological remains are encountered during excavation, the *owner or operator* must immediately cease, or cause to cease, all *construction activity* in the area of the remains and notify the appropriate Regional Water Engineer (RWE). *Construction activity* shall not resume until written permission to do so has been received from the RWE.

B. Continuation of the Expired General Permit

This permit expires five (5) years from the effective date. If a new general permit is not issued prior to the expiration of this general permit, an *owner or operator* with coverage under this permit may continue to operate and *discharge* in accordance with the terms and conditions of this general permit, if it is extended pursuant to the State Administrative Procedure Act and 6 NYCRR Part 621, until a new general permit is issued.

C. Enforcement

Failure of the *owner or operator*, its contractors, subcontractors, agents and/or assigns to strictly adhere to any of the permit requirements contained herein shall constitute a violation of this permit. There are substantial criminal, civil, and administrative penalties associated with violating the provisions of this permit. Fines of up to \$37,500 per day for each violation and imprisonment for up to fifteen (15) years may be assessed depending upon the nature and degree of the offense.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for an *owner or operator* in an enforcement action that it would have been necessary to halt or reduce the *construction activity* in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate

The *owner or operator* and its contractors and subcontractors shall take all reasonable steps to *minimize* or prevent any *discharge* in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information

The *owner or operator* shall furnish to the Department, within a reasonable specified time period of a written request, all documentation necessary to demonstrate eligibility and any information to determine compliance with this permit or to determine whether cause exists for modifying or revoking this permit, or suspending or denying coverage under this permit, in accordance with the terms and conditions of this permit. The NOI, SWPPP and inspection reports required by this permit are public documents that the *owner or operator* must make available for review and copying by any person within five (5) business days of the *owner or operator* receiving a written request by any such person to review these documents. Copying of documents will be done at the requester's expense.

G. Other Information

When the *owner or operator* becomes aware that they failed to submit any relevant facts, or submitted incorrect information in the NOI or in any of the documents required by this permit, or have made substantive revisions to the SWPPP (e.g. the scope of the project changes significantly, the type of post-construction stormwater management practice(s) changes, there is a reduction in the sizing of the post-construction stormwater management practice, or there is an increase in the disturbance area or *impervious area*), which were not reflected in the original NOI submitted to the Department, they shall promptly submit such facts or information to the Department using the contact information in Part II.A. of this permit. Failure of the *owner or operator* to correct or supplement any relevant facts within five (5) business days of becoming aware of the deficiency shall constitute a violation of this permit.

H. Signatory Requirements

1. All NOIs and NOTs shall be signed as follows:
 - a. For a corporation these forms shall be signed by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

- (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - (ii) the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship these forms shall be signed by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal, or other public agency these forms shall be signed by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - (i) the chief executive officer of the agency, or
 - (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).
2. The SWPPP and other information requested by the Department shall be signed by a person described in Part VII.H.1. of this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- a. The authorization is made in writing by a person described in Part VII.H.1. of this permit;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field,

superintendent, position of *equivalent* responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position) and,

- c. The written authorization shall include the name, title and signature of the authorized representative and be attached to the SWPPP.
3. All inspection reports shall be signed by the *qualified inspector* that performs the inspection.
4. The MS4 SWPPP Acceptance form shall be signed by the principal executive officer or ranking elected official from the *regulated, traditional land use control MS4*, or by a duly authorized representative of that person.

It shall constitute a permit violation if an incorrect and/or improper signatory authorizes any required forms, SWPPP and/or inspection reports.

I. Property Rights

The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. *Owners or operators* must obtain any applicable conveyances, easements, licenses and/or access to real property prior to *commencing construction activity*.

J. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

K. Requirement to Obtain Coverage Under an Alternative Permit

1. The Department may require any owner or operator authorized by this permit to apply for and/or obtain either an individual SPDES permit or another SPDES general permit. When the Department requires any discharger authorized by a general permit to apply for an individual SPDES permit, it shall notify the discharger in writing that a permit application is required. This notice shall

include a brief statement of the reasons for this decision, an application form, a statement setting a time frame for the owner or operator to file the application for an individual SPDES permit, and a deadline, not sooner than 180 days from owner or operator receipt of the notification letter, whereby the authorization to discharge under this general permit shall be terminated. Applications must be submitted to the appropriate Permit Administrator at the Regional Office. The Department may grant additional time upon demonstration, to the satisfaction of the Department, that additional time to apply for an alternative authorization is necessary or where the Department has not provided a permit determination in accordance with Part 621 of this Title.

2. When an individual SPDES permit is issued to a discharger authorized to *discharge* under a general SPDES permit for the same *discharge(s)*, the general permit authorization for outfalls authorized under the individual SPDES permit is automatically terminated on the effective date of the individual permit unless termination is earlier in accordance with 6 NYCRR Part 750.

L. Proper Operation and Maintenance

The *owner or operator* shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the *owner or operator* to achieve compliance with the conditions of this permit and with the requirements of the SWPPP.

M. Inspection and Entry

The *owner or operator* shall allow an authorized representative of the Department, EPA, applicable county health department, or, in the case of a *construction site* which *discharges* through an *MS4*, an authorized representative of the *MS4* receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the owner's or operator's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;
2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment), practices or operations regulated or required by this permit.
4. Sample or monitor at reasonable times, for purposes of assuring permit compliance or as otherwise authorized by the Act or ECL, any substances or parameters at any location.

N. Permit Actions

This permit may, at any time, be modified, suspended, revoked, or renewed by the Department in accordance with 6 NYCRR Part 621. The filing of a request by the *owner or operator* for a permit modification, revocation and reissuance, termination, a notification of planned changes or anticipated noncompliance does not limit, diminish and/or stay compliance with any terms of this permit.

O. Definitions

Definitions of key terms are included in Appendix A of this permit.

P. Re-Opener Clause

1. If there is evidence indicating potential or realized impacts on water quality due to any stormwater discharge associated with construction activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual permit or alternative general permit in accordance with Part VII.K. of this permit or the permit may be modified to include different limitations and/or requirements.
2. Any Department initiated permit modification, suspension or revocation will be conducted in accordance with 6 NYCRR Part 621, 6 NYCRR 750-1.18, and 6 NYCRR 750-1.20.

Q. Penalties for Falsification of Forms and Reports

In accordance with 6NYCRR Part 750-2.4 and 750-2.5, any person who knowingly makes any false material statement, representation, or certification in any application, record, report or other document filed or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished in accordance with ECL §71-1933 and or Articles 175 and 210 of the New York State Penal Law.

R. Other Permits

Nothing in this permit relieves the *owner or operator* from a requirement to obtain any other permits required by law.

APPENDIX A – Acronyms and Definitions

Acronyms

APO – Agency Preservation Officer
BMP – Best Management Practice
CPESC – Certified Professional in Erosion and Sediment Control
Cpv – Channel Protection Volume
CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 et seq)
DOW – Division of Water
EAF – Environmental Assessment Form
ECL - Environmental Conservation Law
EPA – U. S. Environmental Protection Agency
HSG – Hydrologic Soil Group
MS4 – Municipal Separate Storm Sewer System
NOI – Notice of Intent
NOT – Notice of Termination
NPDES – National Pollutant Discharge Elimination System
OPRHP – Office of Parks, Recreation and Historic Places
Qf – Extreme Flood
Qp – Overbank Flood
RRv – Runoff Reduction Volume
RWE – Regional Water Engineer
SEQR – State Environmental Quality Review
SEQRA - State Environmental Quality Review Act
SHPA – State Historic Preservation Act
SPDES – State Pollutant Discharge Elimination System
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
UPA – Uniform Procedures Act
USDA – United States Department of Agriculture
WQv – Water Quality Volume

Definitions

All definitions in this section are solely for the purposes of this permit.

Agricultural Building – a structure designed and constructed to house farm implements, hay, grain, poultry, livestock or other horticultural products; excluding any structure designed, constructed or used, in whole or in part, for human habitation, as a place of employment where agricultural products are processed, treated or packaged, or as a place used by the public.

Agricultural Property – means the land for construction of a barn, *agricultural building*, silo, stockyard, pen or other structural practices identified in Table II in the “Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State” prepared by the Department in cooperation with agencies of New York Nonpoint Source Coordinating Committee (dated June 2007).

Alter Hydrology from Pre to Post-Development Conditions - means the post-development peak flow rate(s) has increased by more than 5% of the pre-developed condition for the design storm of interest (e.g. 10 yr and 100 yr).

Combined Sewer - means a sewer that is designed to collect and convey both “sewage” and “stormwater”.

Commence (Commencement of) Construction Activities - means the initial disturbance of soils associated with clearing, grading or excavation activities; or other construction related activities that disturb or expose soils such as demolition, stockpiling of fill material, and the initial installation of erosion and sediment control practices required in the SWPPP. See definition for “*Construction Activity(ies)*” also.

Construction Activity(ies) - means any clearing, grading, excavation, filling, demolition or stockpiling activities that result in soil disturbance. Clearing activities can include, but are not limited to, logging equipment operation, the cutting and skidding of trees, stump removal and/or brush root removal. Construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility.

Construction Site – means the land area where *construction activity(ies)* will occur. See definition for “*Commence (Commencement of) Construction Activities*” and “*Larger Common Plan of Development or Sale*” also.

Dewatering – means the act of draining rainwater and/or groundwater from building foundations, vaults or excavations/trenches.

Direct Discharge (to a specific surface waterbody) - means that runoff flows from a *construction site* by overland flow and the first point of discharge is the specific surface waterbody, or runoff flows from a *construction site* to a separate storm sewer system

and the first point of discharge from the separate storm sewer system is the specific surface waterbody.

Discharge(s) - means any addition of any pollutant to waters of the State through an outlet or *point source*.

Embankment – means an earthen or rock slope that supports a road/highway.

Endangered or Threatened Species – see 6 NYCRR Part 182 of the Department’s rules and regulations for definition of terms and requirements.

Environmental Conservation Law (ECL) - means chapter 43-B of the Consolidated Laws of the State of New York, entitled the Environmental Conservation Law.

Equivalent (Equivalence) – means that the practice or measure meets all the performance, longevity, maintenance, and safety objectives of the technical standard and will provide an equal or greater degree of water quality protection.

Final Stabilization - means that all soil disturbance activities have ceased and a uniform, perennial vegetative cover with a density of eighty (80) percent over the entire pervious surface has been established; or other equivalent stabilization measures, such as permanent landscape mulches, rock rip-rap or washed/crushed stone have been applied on all disturbed areas that are not covered by permanent structures, concrete or pavement.

General SPDES permit - means a SPDES permit issued pursuant to 6 NYCRR Part 750-1.21 and Section 70-0117 of the ECL authorizing a category of discharges.

Groundwater(s) - means waters in the saturated zone. The saturated zone is a subsurface zone in which all the interstices are filled with water under pressure greater than that of the atmosphere. Although the zone may contain gas-filled interstices or interstices filled with fluids other than water, it is still considered saturated.

Historic Property – means any building, structure, site, object or district that is listed on the State or National Registers of Historic Places or is determined to be eligible for listing on the State or National Registers of Historic Places.

Impervious Area (Cover) - means all impermeable surfaces that cannot effectively infiltrate rainfall. This includes paved, concrete and gravel surfaces (i.e. parking lots, driveways, roads, runways and sidewalks); building rooftops and miscellaneous impermeable structures such as patios, pools, and sheds.

Infeasible – means not technologically possible, or not economically practicable and achievable in light of best industry practices.

Larger Common Plan of Development or Sale - means a contiguous area where multiple separate and distinct *construction activities* are occurring, or will occur, under one plan. The term “plan” in “larger common plan of development or sale” is broadly defined as any announcement or piece of documentation (including a sign, public notice or hearing, marketing plan, advertisement, drawing, permit application, State Environmental Quality Review Act (SEQRA) environmental assessment form or other documents, zoning request, computer design, etc.) or physical demarcation (including boundary signs, lot stakes, surveyor markings, etc.) indicating that *construction activities* may occur on a specific plot.

For discrete construction projects that are located within a larger common plan of development or sale that are at least 1/4 mile apart, each project can be treated as a separate plan of development or sale provided any interconnecting road, pipeline or utility project that is part of the same “common plan” is not concurrently being disturbed.

Minimize – means reduce and/or eliminate to the extent achievable using control measures (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

Municipal Separate Storm Sewer (MS4) - a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

- (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State;
- (ii) Designed or used for collecting or conveying stormwater;
- (iii) Which is not a *combined sewer*; and
- (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES) - means the national system for the issuance of wastewater and stormwater permits under the Federal Water Pollution Control Act (Clean Water Act).

Natural Buffer – means an undisturbed area with natural cover running along a surface water (e.g. wetland, stream, river, lake, etc.).

New Development – means any land disturbance that does not meet the definition of Redevelopment Activity included in this appendix.

New York State Erosion and Sediment Control Certificate Program – a certificate program that establishes and maintains a process to identify and recognize individuals who are capable of developing, designing, inspecting and maintaining erosion and sediment control plans on projects that disturb soils in New York State. The certificate program is administered by the New York State Conservation District Employees Association.

NOI Acknowledgment Letter - means the letter that the Department sends to an owner or operator to acknowledge the Department's receipt and acceptance of a complete Notice of Intent. This letter documents the owner's or operator's authorization to discharge in accordance with the general permit for stormwater discharges from *construction activity*.

Nonpoint Source - means any source of water pollution or pollutants which is not a discrete conveyance or *point source* permitted pursuant to Title 7 or 8 of Article 17 of the Environmental Conservation Law (see ECL Section 17-1403).

Overbank –means flow events that exceed the capacity of the stream channel and spill out into the adjacent floodplain.

Owner or Operator - means the person, persons or legal entity which owns or leases the property on which the *construction activity* is occurring; an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications; and/or an entity that has day-to-day operational control of those activities at a project that are necessary to ensure compliance with the permit conditions.

Performance Criteria – means the design criteria listed under the “Required Elements” sections in Chapters 5, 6 and 10 of the technical standard, New York State Stormwater Management Design Manual, dated January 2015. It does not include the Sizing Criteria (i.e. WQv, RRV, Cpv, Qp and Qf) in Part I.C.2. of the permit.

Point Source - means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft, or landfill leachate collection system from which *pollutants* are or may be discharged.

Pollutant - means dredged spoil, filter backwash, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand and industrial, municipal, agricultural waste and ballast discharged into water; which may cause or might reasonably be expected to cause pollution of the waters of the state in contravention of the standards or guidance values adopted as provided in 6 NYCRR Parts 700 et seq .

Qualified Inspector - means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as a licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

Note: Inspections of any post-construction stormwater management practices that include structural components, such as a dam for an impoundment, shall be performed by a licensed Professional Engineer.

Qualified Professional - means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.

Redevelopment Activity(ies) – means the disturbance and reconstruction of existing impervious area, including impervious areas that were removed from a project site within five (5) years of preliminary project plan submission to the local government (i.e. site plan, subdivision, etc.).

Regulated, Traditional Land Use Control MS4 - means a city, town or village with land use control authority that is authorized to discharge under New York State DEC's

SPDES General Permit For Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s) or the City of New York's Individual SPDES Permit for their Municipal Separate Storm Sewer Systems (NY-0287890).

Routine Maintenance Activity - means *construction activity* that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of a facility, including, but not limited to:

- Re-grading of gravel roads or parking lots,
- Cleaning and shaping of existing roadside ditches and culverts that maintains the approximate original line and grade, and hydraulic capacity of the ditch,
- Cleaning and shaping of existing roadside ditches that does not maintain the approximate original grade, hydraulic capacity and purpose of the ditch if the changes to the line and grade, hydraulic capacity or purpose of the ditch are installed to improve water quality and quantity controls (e.g. installing grass lined ditch),
- Placement of aggregate shoulder backing that stabilizes the transition between the road shoulder and the ditch or *embankment*,
- Full depth milling and filling of existing asphalt pavements, replacement of concrete pavement slabs, and similar work that does not expose soil or disturb the bottom six (6) inches of subbase material,
- Long-term use of equipment storage areas at or near highway maintenance facilities,
- Removal of sediment from the edge of the highway to restore a previously existing sheet-flow drainage connection from the highway surface to the highway ditch or *embankment*,
- Existing use of Canal Corp owned upland disposal sites for the canal, and
- Replacement of curbs, gutters, sidewalks and guide rail posts.

Site limitations – means site conditions that prevent the use of an infiltration technique and or infiltration of the total WQv. Typical site limitations include: seasonal high groundwater, shallow depth to bedrock, and soils with an infiltration rate less than 0.5 inches/hour. The existence of site limitations shall be confirmed and documented using actual field testing (i.e. test pits, soil borings, and infiltration test) or using information from the most current United States Department of Agriculture (USDA) Soil Survey for the County where the project is located.

Sizing Criteria – means the criteria included in Part I.C.2 of the permit that are used to size post-construction stormwater management control practices. The criteria include; Water Quality Volume (WQv), Runoff Reduction Volume (RRv), Channel Protection Volume (Cpv), *Overbank Flood* (Qp), and *Extreme Flood* (Qf).

State Pollutant Discharge Elimination System (SPDES) - means the system established pursuant to Article 17 of the ECL and 6 NYCRR Part 750 for issuance of permits authorizing discharges to the waters of the state.

Steep Slope – means land area designated on the current United States Department of Agriculture (“USDA”) Soil Survey as Soil Slope Phase “D”, (provided the map unit name is inclusive of slopes greater than 25%) , or Soil Slope Phase E or F, (regardless of the map unit name), or a combination of the three designations.

Streambank – as used in this permit, means the terrain alongside the bed of a creek or stream. The bank consists of the sides of the channel, between which the flow is confined.

Stormwater Pollution Prevention Plan (SWPPP) – means a project specific report, including construction drawings, that among other things: describes the construction activity(ies), identifies the potential sources of pollution at the *construction site*; describes and shows the stormwater controls that will be used to control the pollutants (i.e. erosion and sediment controls; for many projects, includes post-construction stormwater management controls); and identifies procedures the *owner or operator* will implement to comply with the terms and conditions of the permit. See Part III of the permit for a complete description of the information that must be included in the SWPPP.

Surface Waters of the State - shall be construed to include lakes, bays, sounds, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic ocean within the territorial seas of the state of New York and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, public or private (except those private waters that do not combine or effect a junction with natural surface waters), which are wholly or partially within or bordering the state or within its jurisdiction. Waters of the state are further defined in 6 NYCRR Parts 800 to 941.

Temporarily Ceased – means that an existing disturbed area will not be disturbed again within 14 calendar days of the previous soil disturbance.

Temporary Stabilization - means that exposed soil has been covered with material(s) as set forth in the technical standard, New York Standards and Specifications for Erosion and Sediment Control, to prevent the exposed soil from eroding. The materials can include, but are not limited to, mulch, seed and mulch, and erosion control mats (e.g. jute twisted yarn, excelsior wood fiber mats).

Total Maximum Daily Loads (TMDLs) - A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and *nonpoint sources*. It is a calculation of the maximum amount of a pollutant that a waterbody can receive on a daily basis and still meet *water quality standards*, and an allocation of that amount to the pollutant's sources. A TMDL stipulates wasteload allocations (WLAs) for *point source* discharges, load allocations (LAs) for *nonpoint sources*, and a margin of safety (MOS).

Trained Contractor - means an employee from the contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed

training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *trained contractor* shall receive four (4) hours of training every three (3) years.

It can also mean an employee from the contracting (construction) company, identified in Part III.A.6., that meets the *qualified inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, New York State Erosion and Sediment Control Certificate Program holder, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity).

The *trained contractor* is responsible for the day to day implementation of the SWPPP.

Uniform Procedures Act (UPA) Permit - means a permit required under 6 NYCRR Part 621 of the Environmental Conservation Law (ECL), Article 70.

Water Quality Standard - means such measures of purity or quality for any waters in relation to their reasonable and necessary use as promulgated in 6 NYCRR Part 700 et seq.

APPENDIX B – Required SWPPP Components by Project Type

Table 1
Construction Activities that Require the Preparation of a SWPPP That Only Includes Erosion and Sediment Controls

The following construction activities that involve soil disturbances of one (1) or more acres of land, but less than five (5) acres: • Single family home <u>not</u> located in one of the watersheds listed in Appendix C or <u>not directly discharging</u> to one of the 303(d) segments listed in Appendix E • Single family residential subdivisions with 25% or less impervious cover at total site build-out and <u>not</u> located in one of the watersheds listed in Appendix C and <u>not</u> directly discharging to one of the 303(d) segments listed in Appendix E • Construction of a barn or other <i>agricultural building</i>, silo, stock yard or pen.
The following construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land: All construction activities located in the watersheds identified in Appendix D that involve soil disturbances between five thousand (5,000) square feet and one (1) acre of land.
The following construction activities that involve soil disturbances of one (1) or more acres of land: • Installation of underground, linear utilities; such as gas lines, fiber-optic cable, cable TV, electric, telephone, sewer mains, and water mains • Environmental enhancement projects, such as wetland mitigation projects, stormwater retrofits and stream restoration projects • Pond construction • Linear bike paths running through areas with vegetative cover, including bike paths surfaced with an impervious cover • Cross-country ski trails and walking/hiking trails • Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are not part of residential, commercial or institutional development; • Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that include incidental shoulder or curb work along an existing highway to support construction of the sidewalk, bike path or walking path. • Slope stabilization projects • Slope flattening that changes the grade of the site, but does not significantly change the runoff characteristics

**Table 1 (Continued) CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP
THAT ONLY INCLUDES EROSION AND SEDIMENT CONTROLS**

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Spoil areas that will be covered with vegetation
- Vegetated open space projects (i.e. recreational parks, lawns, meadows, fields, downhill ski trails) excluding projects that *alter hydrology from pre to post development* conditions,
- Athletic fields (natural grass) that do not include the construction or reconstruction of *impervious area* and do not *alter hydrology from pre to post development* conditions
- Demolition project where vegetation will be established, and no redevelopment is planned
- Overhead electric transmission line project that does not include the construction of permanent access roads or parking areas surfaced with *impervious cover*
- Structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State", excluding projects that involve soil disturbances of greater than five acres and construction activities that include the construction or reconstruction of impervious area
- Temporary access roads, median crossovers, detour roads, lanes, or other temporary impervious areas that will be restored to pre-construction conditions once the construction activity is complete

Table 2
CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES
POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Single family home located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family home that disturbs five (5) or more acres of land
- Single family residential subdivisions located in one of the watersheds listed in Appendix C or *directly discharging* to one of the 303(d) segments listed in Appendix E
- Single family residential subdivisions that involve soil disturbances of between one (1) and five (5) acres of land with greater than 25% impervious cover at total site build-out
- Single family residential subdivisions that involve soil disturbances of five (5) or more acres of land, and single family residential subdivisions that involve soil disturbances of less than five (5) acres that are part of a larger common plan of development or sale that will ultimately disturb five or more acres of land
- Multi-family residential developments; includes duplexes, townhomes, condominiums, senior housing complexes, apartment complexes, and mobile home parks
- Airports
- Amusement parks
- Breweries, cideries, and wineries, including establishments constructed on agricultural land
- Campgrounds
- Cemeteries that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development conditions*
- Commercial developments
- Churches and other places of worship
- Construction of a barn or other *agricultural building* (e.g. silo) and structural practices as identified in Table II in the "Agricultural Management Practices Catalog for Nonpoint Source Pollution in New York State" that include the construction or reconstruction of *impervious area*, excluding projects that involve soil disturbances of less than five acres.
- Golf courses
- Institutional development; includes hospitals, prisons, schools and colleges
- Industrial facilities; includes industrial parks
- Landfills
- Municipal facilities; includes highway garages, transfer stations, office buildings, POTW's, water treatment plants, and water storage tanks
- Office complexes
- Playgrounds that include the construction or reconstruction of impervious area
- Sports complexes
- Racetracks; includes racetracks with earthen (dirt) surface
- Road construction or reconstruction, including roads constructed as part of the construction activities listed in Table 1

Table 2 (Continued)

**CONSTRUCTION ACTIVITIES THAT REQUIRE THE PREPARATION OF A SWPPP THAT INCLUDES
POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES**

The following construction activities that involve soil disturbances of one (1) or more acres of land:

- Parking lot construction or reconstruction, including parking lots constructed as part of the construction activities listed in Table 1
- Athletic fields (natural grass) that include the construction or reconstruction of impervious area (>5% of disturbed area) or *alter the hydrology from pre to post development* conditions
- Athletic fields with artificial turf
- Permanent access roads, parking areas, substations, compressor stations and well drilling pads, surfaced with *impervious cover*, and constructed as part of an over-head electric transmission line project, wind-power project, cell tower project, oil or gas well drilling project, sewer or water main project or other linear utility project
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a residential, commercial or institutional development
- Sidewalk, bike path or walking path projects, surfaced with an impervious cover, that are part of a highway construction or reconstruction project
- All other construction activities that include the construction or reconstruction of *impervious area* or *alter the hydrology from pre to post development* conditions, and are not listed in Table 1

APPENDIX C – Watersheds Requiring Enhanced Phosphorus Removal

Watersheds where *owners or operators* of construction activities identified in Table 2 of Appendix B must prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the Enhanced Phosphorus Removal Standards included in the technical standard, New York State Stormwater Management Design Manual (“Design Manual”).

- Entire New York City Watershed located east of the Hudson River - Figure 1
- Onondaga Lake Watershed - Figure 2
- Greenwood Lake Watershed -Figure 3
- Oscawana Lake Watershed – Figure 4
- Kinderhook Lake Watershed – Figure 5

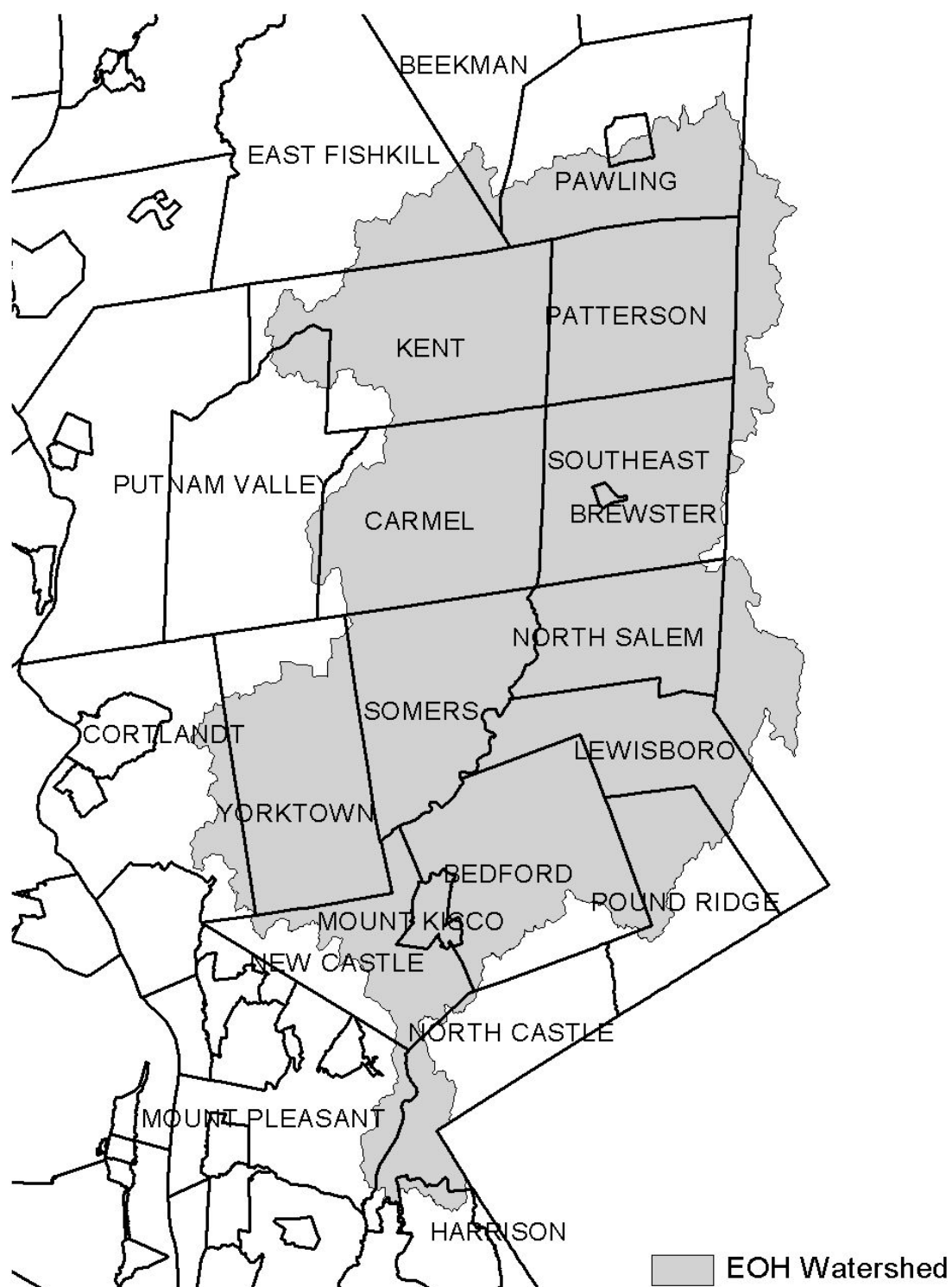
Figure 1 - New York City Watershed East of the Hudson

Figure 2 - Onondaga Lake Watershed

Figure 3 - Greenwood Lake Watershed

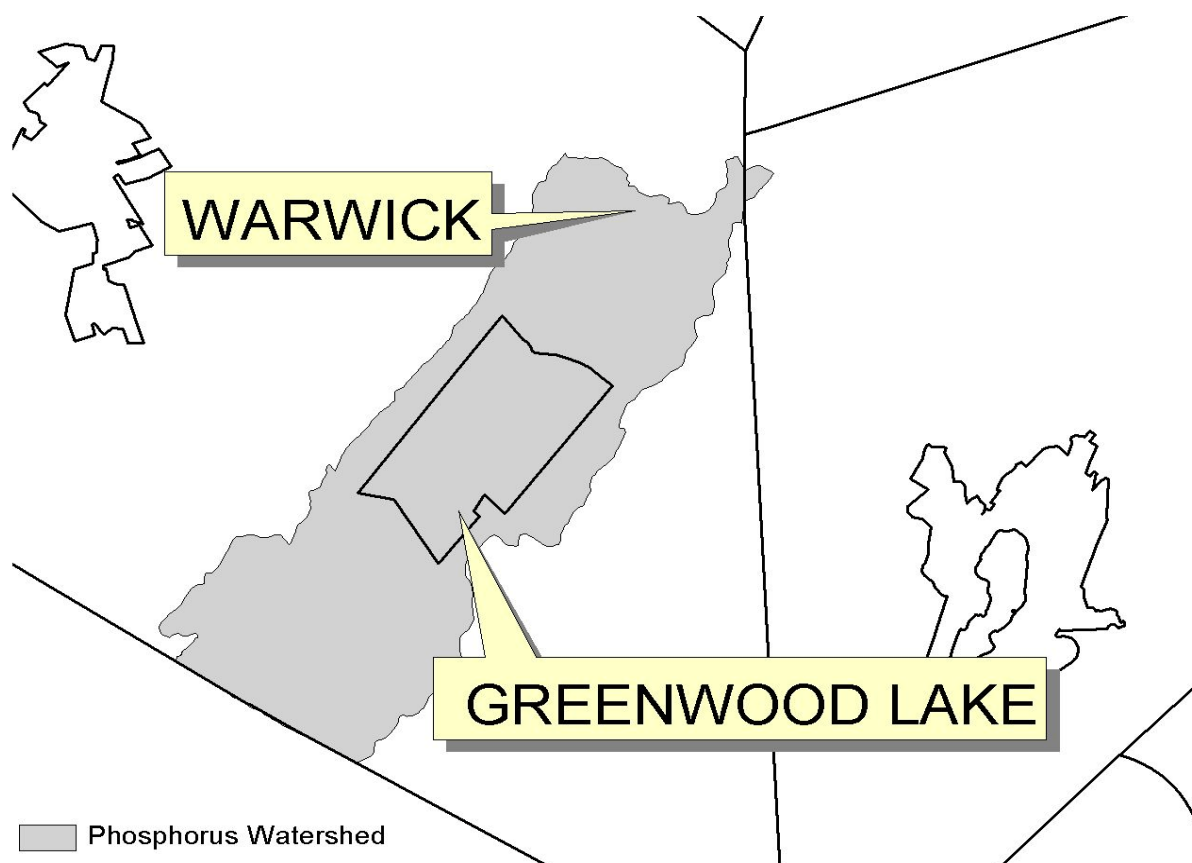


Figure 4 - Oscawana Lake Watershed

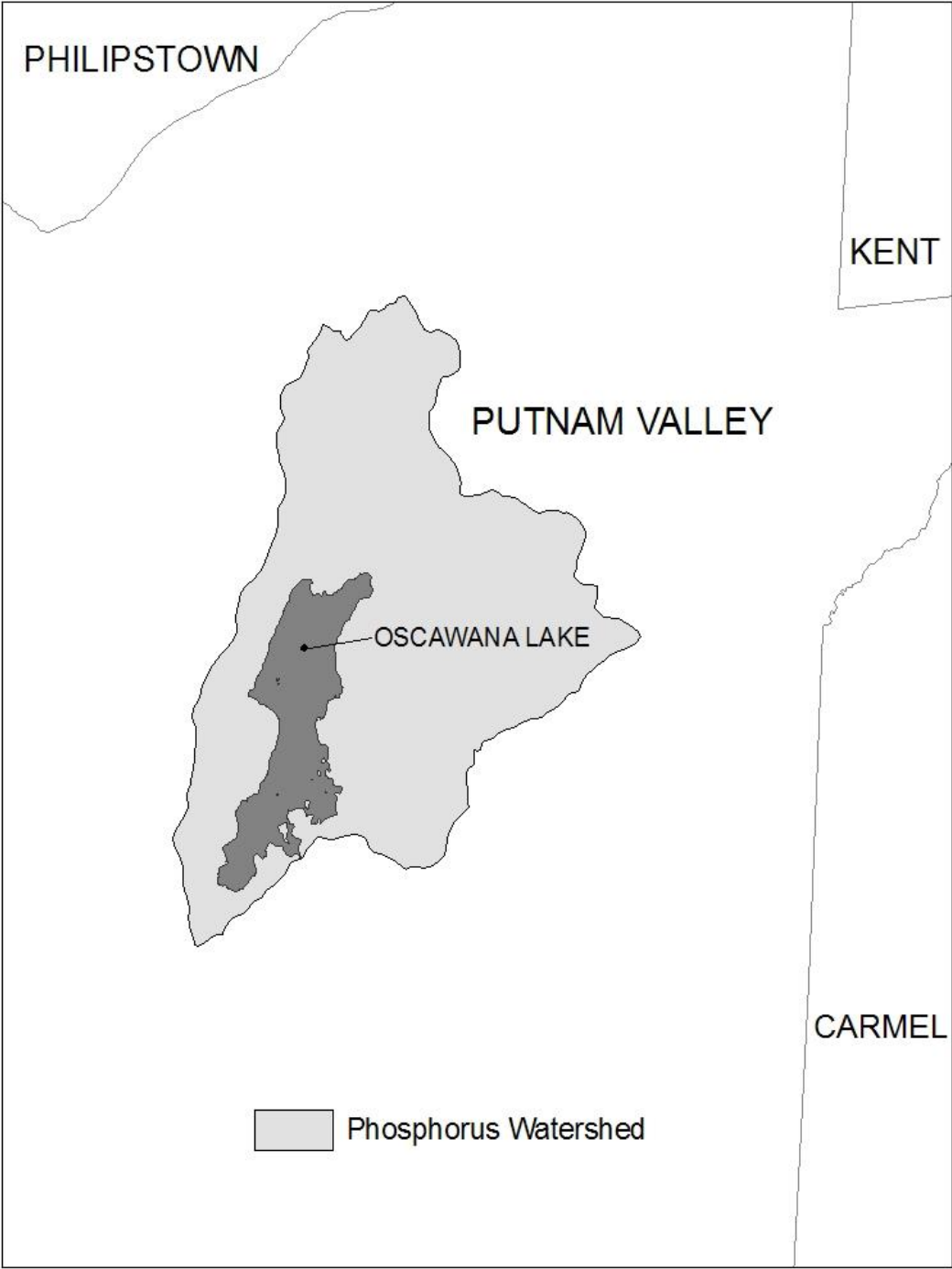
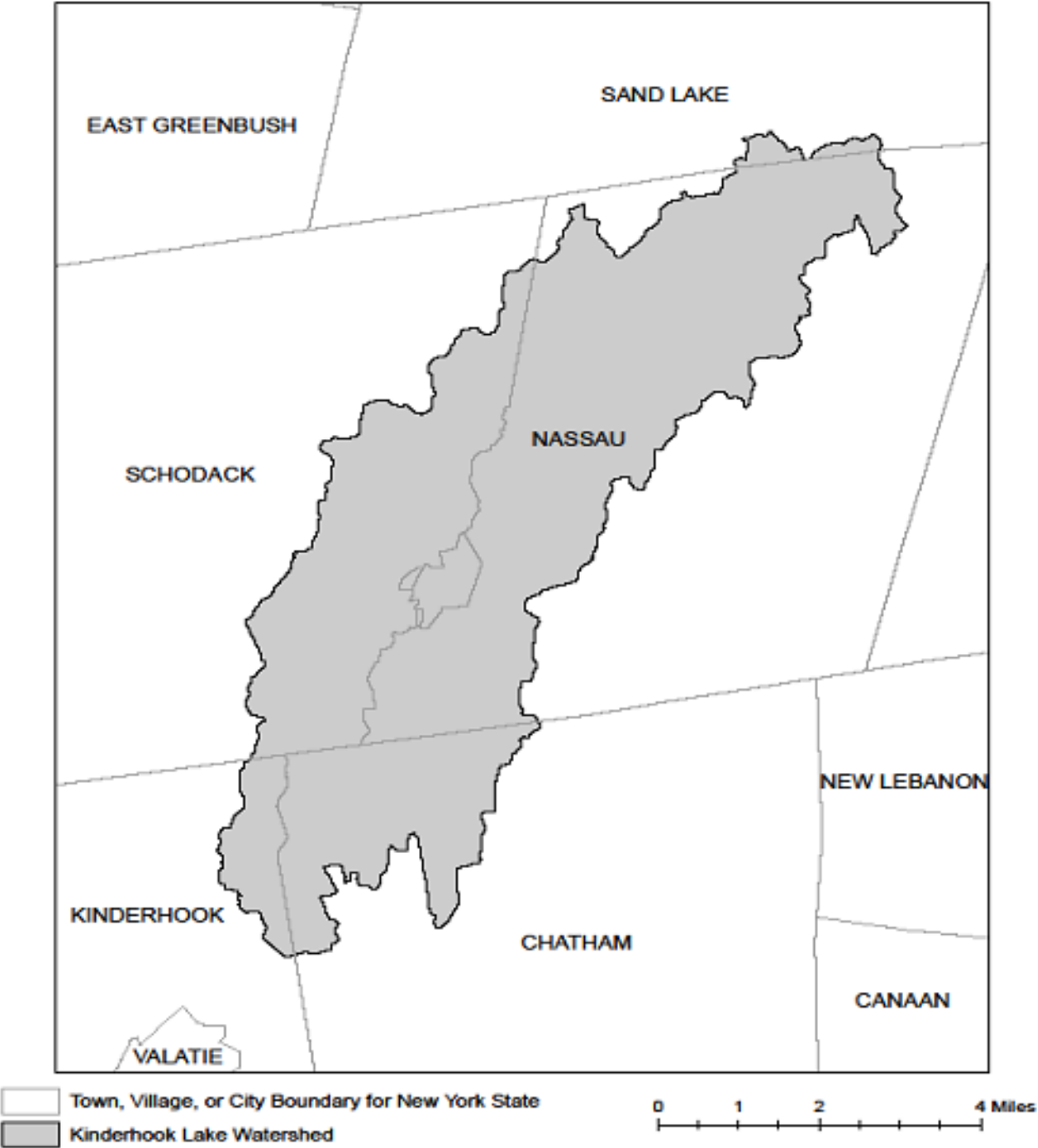


Figure 5 - Kinderhook Lake Watershed



APPENDIX D – Watersheds with Lower Disturbance Threshold

Watersheds where *owners or operators* of construction activities that involve soil disturbances between five thousand (5000) square feet and one (1) acre of land must obtain coverage under this permit.

Entire New York City Watershed that is located east of the Hudson River - See Figure 1 in Appendix C
--

APPENDIX E – 303(d) Segments Impaired by Construction Related Pollutant(s)

List of 303(d) segments impaired by pollutants related to *construction activity* (e.g. silt, sediment or nutrients). The list was developed using "The Final New York State 2016 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy" dated November 2016. *Owners or operators* of single family home and single family residential subdivisions with 25% or less total impervious cover at total site build-out that involve soil disturbances of one or more acres of land, but less than 5 acres, and *directly discharge* to one of the listed segments below shall prepare a SWPPP that includes post-construction stormwater management practices designed in conformance with the New York State Stormwater Management Design Manual ("Design Manual"), dated January 2015.

COUNTY	WATERBODY	POLLUTANT
Albany	Ann Lee (Shakers) Pond, Stump Pond	Nutrients
Albany	Basic Creek Reservoir	Nutrients
Allegany	Amity Lake, Saunders Pond	Nutrients
Bronx	Long Island Sound, Bronx	Nutrients
Bronx	Van Cortlandt Lake	Nutrients
Broome	Fly Pond, Deer Lake, Sky Lake	Nutrients
Broome	Minor Tribs to Lower Susquehanna (north)	Nutrients
Broome	Whitney Point Lake/Reservoir	Nutrients
Cattaraugus	Allegheny River/Reservoir	Nutrients
Cattaraugus	Beaver (Alma) Lake	Nutrients
Cattaraugus	Case Lake	Nutrients
Cattaraugus	Linlyco/Club Pond	Nutrients
Cayuga	Duck Lake	Nutrients
Cayuga	Little Sodus Bay	Nutrients
Chautauqua	Bear Lake	Nutrients
Chautauqua	Chadakoin River and tribs	Nutrients
Chautauqua	Chautauqua Lake, North	Nutrients
Chautauqua	Chautauqua Lake, South	Nutrients
Chautauqua	Findley Lake	Nutrients
Chautauqua	Hulburt/Clymer Pond	Nutrients
Clinton	Great Chazy River, Lower, Main Stem	Silt/Sediment
Clinton	Lake Champlain, Main Lake, Middle	Nutrients
Clinton	Lake Champlain, Main Lake, North	Nutrients
Columbia	Kinderhook Lake	Nutrients
Columbia	Robinson Pond	Nutrients
Cortland	Dean Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Dutchess	Fall Kill and tribs	Nutrients
Dutchess	Hillside Lake	Nutrients
Dutchess	Wappingers Lake	Nutrients
Dutchess	Wappingers Lake	Silt/Sediment
Erie	Beeman Creek and tribs	Nutrients
Erie	Ellicott Creek, Lower, and tribs	Silt/Sediment
Erie	Ellicott Creek, Lower, and tribs	Nutrients
Erie	Green Lake	Nutrients
Erie	Little Sister Creek, Lower, and tribs	Nutrients
Erie	Murder Creek, Lower, and tribs	Nutrients
Erie	Rush Creek and tribs	Nutrients
Erie	Scajaquada Creek, Lower, and tribs	Nutrients
Erie	Scajaquada Creek, Middle, and tribs	Nutrients
Erie	Scajaquada Creek, Upper, and tribs	Nutrients
Erie	South Branch Smoke Cr, Lower, and tribs	Silt/Sediment
Erie	South Branch Smoke Cr, Lower, and tribs	Nutrients
Essex	Lake Champlain, Main Lake, South	Nutrients
Essex	Lake Champlain, South Lake	Nutrients
Essex	Willsboro Bay	Nutrients
Genesee	Bigelow Creek and tribs	Nutrients
Genesee	Black Creek, Middle, and minor tribs	Nutrients
Genesee	Black Creek, Upper, and minor tribs	Nutrients
Genesee	Bowen Brook and tribs	Nutrients
Genesee	LeRoy Reservoir	Nutrients
Genesee	Oak Orchard Cr, Upper, and tribs	Nutrients
Genesee	Tonawanda Creek, Middle, Main Stem	Nutrients
Greene	Schoharie Reservoir	Silt/Sediment
Greene	Sleepy Hollow Lake	Silt/Sediment
Herkimer	Steele Creek tribs	Silt/Sediment
Herkimer	Steele Creek tribs	Nutrients
Jefferson	Moon Lake	Nutrients
Kings	Hendrix Creek	Nutrients
Kings	Prospect Park Lake	Nutrients
Lewis	Mill Creek/South Branch, and tribs	Nutrients
Livingston	Christie Creek and tribs	Nutrients
Livingston	Conesus Lake	Nutrients
Livingston	Mill Creek and minor tribs	Silt/Sediment
Monroe	Black Creek, Lower, and minor tribs	Nutrients
Monroe	Buck Pond	Nutrients
Monroe	Cranberry Pond	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Monroe	Lake Ontario Shoreline, Western	Nutrients
Monroe	Long Pond	Nutrients
Monroe	Mill Creek and tribs	Nutrients
Monroe	Mill Creek/Blue Pond Outlet and tribs	Nutrients
Monroe	Minor Tribs to Irondequoit Bay	Nutrients
Monroe	Rochester Embayment - East	Nutrients
Monroe	Rochester Embayment - West	Nutrients
Monroe	Shipbuilders Creek and tribs	Nutrients
Monroe	Thomas Creek/White Brook and tribs	Nutrients
Nassau	Beaver Lake	Nutrients
Nassau	Camaans Pond	Nutrients
Nassau	East Meadow Brook, Upper, and tribs	Silt/Sediment
Nassau	East Rockaway Channel	Nutrients
Nassau	Grant Park Pond	Nutrients
Nassau	Hempstead Bay	Nutrients
Nassau	Hempstead Lake	Nutrients
Nassau	Hewlett Bay	Nutrients
Nassau	Hog Island Channel	Nutrients
Nassau	Long Island Sound, Nassau County Waters	Nutrients
Nassau	Massapequa Creek and tribs	Nutrients
Nassau	Milburn/Parsonage Creeks, Upp, and tribs	Nutrients
Nassau	Reynolds Channel, west	Nutrients
Nassau	Tidal Tribs to Hempstead Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Nutrients
Nassau	Tribs (fresh) to East Bay	Silt/Sediment
Nassau	Tribs to Smith/Halls Ponds	Nutrients
Nassau	Woodmere Channel	Nutrients
New York	Harlem Meer	Nutrients
New York	The Lake in Central Park	Nutrients
Niagara	Bergholtz Creek and tribs	Nutrients
Niagara	Hyde Park Lake	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Niagara	Lake Ontario Shoreline, Western	Nutrients
Oneida	Ballou, Nail Creeks and tribs	Nutrients
Onondaga	Harbor Brook, Lower, and tribs	Nutrients
Onondaga	Ley Creek and tribs	Nutrients
Onondaga	Minor Tribs to Onondaga Lake	Nutrients
Onondaga	Ninemile Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Lower, and tribs	Nutrients
Onondaga	Onondaga Creek, Middle, and tribs	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Onondaga	Onondaga Lake, northern end	Nutrients
Onondaga	Onondaga Lake, southern end	Nutrients
Ontario	Great Brook and minor tribs	Silt/Sediment
Ontario	Great Brook and minor tribs	Nutrients
Ontario	Hemlock Lake Outlet and minor tribs	Nutrients
Ontario	Honeoye Lake	Nutrients
Orange	Greenwood Lake	Nutrients
Orange	Monhagen Brook and tribs	Nutrients
Orange	Orange Lake	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Orleans	Lake Ontario Shoreline, Western	Nutrients
Oswego	Lake Neatahwanta	Nutrients
Oswego	Pleasant Lake	Nutrients
Putnam	Bog Brook Reservoir	Nutrients
Putnam	Boyd Corners Reservoir	Nutrients
Putnam	Croton Falls Reservoir	Nutrients
Putnam	Diverting Reservoir	Nutrients
Putnam	East Branch Reservoir	Nutrients
Putnam	Lake Carmel	Nutrients
Putnam	Middle Branch Reservoir	Nutrients
Putnam	Oscawana Lake	Nutrients
Putnam	Palmer Lake	Nutrients
Putnam	West Branch Reservoir	Nutrients
Queens	Bergen Basin	Nutrients
Queens	Flushing Creek/Bay	Nutrients
Queens	Jamaica Bay, Eastern, and tribs (Queens)	Nutrients
Queens	Kissena Lake	Nutrients
Queens	Meadow Lake	Nutrients
Queens	Willow Lake	Nutrients
Rensselaer	Nassau Lake	Nutrients
Rensselaer	Snyders Lake	Nutrients
Richmond	Grasmere Lake/Bradys Pond	Nutrients
Rockland	Congers Lake, Swartout Lake	Nutrients
Rockland	Rockland Lake	Nutrients
Saratoga	Ballston Lake	Nutrients
Saratoga	Dwaas Kill and tribs	Silt/Sediment
Saratoga	Dwaas Kill and tribs	Nutrients
Saratoga	Lake Lonely	Nutrients
Saratoga	Round Lake	Nutrients
Saratoga	Tribs to Lake Lonely	Nutrients

303(d) Segments Impaired by Construction Related Pollutant(s)

Schenectady	Collins Lake	Nutrients
Schenectady	Duane Lake	Nutrients
Schenectady	Mariaville Lake	Nutrients
Schoharie	Engleville Pond	Nutrients
Schoharie	Summit Lake	Nutrients
Seneca	Reeder Creek and tribs	Nutrients
St.Lawrence	Black Lake Outlet/Black Lake	Nutrients
St.Lawrence	Fish Creek and minor tribs	Nutrients
Steuben	Smith Pond	Nutrients
Suffolk	Agawam Lake	Nutrients
Suffolk	Big/Little Fresh Ponds	Nutrients
Suffolk	Canaan Lake	Silt/Sediment
Suffolk	Canaan Lake	Nutrients
Suffolk	Flanders Bay, West/Lower Sawmill Creek	Nutrients
Suffolk	Fresh Pond	Nutrients
Suffolk	Great South Bay, East	Nutrients
Suffolk	Great South Bay, Middle	Nutrients
Suffolk	Great South Bay, West	Nutrients
Suffolk	Lake Ronkonkoma	Nutrients
Suffolk	Long Island Sound, Suffolk County, West	Nutrients
Suffolk	Mattituck (Marratooka) Pond	Nutrients
Suffolk	Meetinghouse/Terrys Creeks and tribs	Nutrients
Suffolk	Mill and Seven Ponds	Nutrients
Suffolk	Millers Pond	Nutrients
Suffolk	Moriches Bay, East	Nutrients
Suffolk	Moriches Bay, West	Nutrients
Suffolk	Peconic River, Lower, and tidal tribs	Nutrients
Suffolk	Quantuck Bay	Nutrients
Suffolk	Shinnecock Bay and Inlet	Nutrients
Suffolk	Tidal tribs to West Moriches Bay	Nutrients
Sullivan	Bodine, Montgomery Lakes	Nutrients
Sullivan	Davies Lake	Nutrients
Sullivan	Evens Lake	Nutrients
Sullivan	Pleasure Lake	Nutrients
Tompkins	Cayuga Lake, Southern End	Nutrients
Tompkins	Cayuga Lake, Southern End	Silt/Sediment
Tompkins	Owasco Inlet, Upper, and tribs	Nutrients
Ulster	Ashokan Reservoir	Silt/Sediment
Ulster	Esopus Creek, Upper, and minor tribs	Silt/Sediment
Warren	Hague Brook and tribs	Silt/Sediment

303(d) Segments Impaired by Construction Related Pollutant(s)

Warren	Huddle/Finkle Brooks and tribs	Silt/Sediment
Warren	Indian Brook and tribs	Silt/Sediment
Warren	Lake George	Silt/Sediment
Warren	Tribs to L.George, Village of L George	Silt/Sediment
Washington	Cossayuna Lake	Nutrients
Washington	Lake Champlain, South Bay	Nutrients
Washington	Tribs to L.George, East Shore	Silt/Sediment
Washington	Wood Cr/Champlain Canal and minor tribs	Nutrients
Wayne	Port Bay	Nutrients
Westchester	Amawalk Reservoir	Nutrients
Westchester	Blind Brook, Upper, and tribs	Silt/Sediment
Westchester	Cross River Reservoir	Nutrients
Westchester	Lake Katonah	Nutrients
Westchester	Lake Lincolndale	Nutrients
Westchester	Lake Meahagh	Nutrients
Westchester	Lake Mohegan	Nutrients
Westchester	Lake Shenorock	Nutrients
Westchester	Long Island Sound, Westchester (East)	Nutrients
Westchester	Mamaroneck River, Lower	Silt/Sediment
Westchester	Mamaroneck River, Upper, and minor tribs	Silt/Sediment
Westchester	Muscoot/Upper New Croton Reservoir	Nutrients
Westchester	New Croton Reservoir	Nutrients
Westchester	Peach Lake	Nutrients
Westchester	Reservoir No.1 (Lake Isle)	Nutrients
Westchester	Saw Mill River, Lower, and tribs	Nutrients
Westchester	Saw Mill River, Middle, and tribs	Nutrients
Westchester	Sheldrake River and tribs	Silt/Sediment
Westchester	Sheldrake River and tribs	Nutrients
Westchester	Silver Lake	Nutrients
Westchester	Teatown Lake	Nutrients
Westchester	Titicus Reservoir	Nutrients
Westchester	Truesdale Lake	Nutrients
Westchester	Wallace Pond	Nutrients
Wyoming	Java Lake	Nutrients
Wyoming	Silver Lake	Nutrients

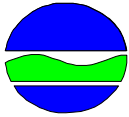
APPENDIX F – List of NYS DEC Regional Offices

<u>Region</u>	<u>COVERING THE FOLLOWING COUNTIES:</u>	<u>DIVISION OF ENVIRONMENTAL PERMITS (DEP) PERMIT ADMINISTRATORS</u>	<u>DIVISION OF WATER (DOW) WATER (SPDES) PROGRAM</u>
1	NASSAU AND SUFFOLK	50 CIRCLE ROAD STONY BROOK, NY 11790 TEL. (631) 444-0365	50 CIRCLE ROAD STONY BROOK, NY 11790-3409 TEL. (631) 444-0405
2	BRONX, KINGS, NEW YORK, QUEENS AND RICHMOND	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4997	1 HUNTERS POINT PLAZA, 47-40 21ST ST. LONG ISLAND CITY, NY 11101-5407 TEL. (718) 482-4933
3	DUTCHESS, ORANGE, PUTNAM, ROCKLAND, SULLIVAN, ULSTER AND WESTCHESTER	21 SOUTH PUTT CORNERS ROAD NEW PALTZ, NY 12561-1696 TEL. (845) 256-3059	100 HILLSIDE AVENUE, SUITE 1W WHITE PLAINS, NY 10603 TEL. (914) 428 - 2505
4	ALBANY, COLUMBIA, DELAWARE, GREENE, MONTGOMERY, OTSEGO, RENSSELAER, SCHENECTADY AND SCHOHARIE	1150 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2069	1130 NORTH WESTCOTT ROAD SCHENECTADY, NY 12306-2014 TEL. (518) 357-2045
5	CLINTON, ESSEX, FRANKLIN, FULTON, HAMILTON, SARATOGA, WARREN AND WASHINGTON	1115 STATE ROUTE 86, Po Box 296 RAY BROOK, NY 12977-0296 TEL. (518) 897-1234	232 GOLF COURSE ROAD WARRENSBURG, NY 12885-1172 TEL. (518) 623-1200
6	HERKIMER, JEFFERSON, LEWIS, ONEIDA AND ST. LAWRENCE	STATE OFFICE BUILDING 317 WASHINGTON STREET WATERTOWN, NY 13601-3787 TEL. (315) 785-2245	STATE OFFICE BUILDING 207 GENESEE STREET UTICA, NY 13501-2885 TEL. (315) 793-2554
7	BROOME, CAYUGA, CHENANGO, CORTLAND, MADISON, ONONDAGA, OSWEGO, TIOGA AND TOMPKINS	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7438	615 ERIE BLVD. WEST SYRACUSE, NY 13204-2400 TEL. (315) 426-7500
8	CHEMUNG, GENESEE, LIVINGSTON, MONROE, ONTARIO, ORLEANS, SCHUYLER, SENECA, STEUBEN, WAYNE AND YATES	6274 EAST AVON-LIMA ROADAVON, NY 14414-9519 TEL. (585) 226-2466	6274 EAST AVON-LIMA RD. AVON, NY 14414-9519 TEL. (585) 226-2466
9	ALLEGANY, CATTARAUGUS, CHAUTAUQUA, ERIE, NIAGARA AND WYOMING	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7165	270 MICHIGAN AVENUE BUFFALO, NY 14203-2999 TEL. (716) 851-7070

Appendix C

NOI and DEC

Acknowledgement Letter

NOTICE OF INTENT**New York State Department of Environmental Conservation****Division of Water****625 Broadway, 4th Floor****Albany, New York 12233-3505**
NYR
 (for DEC use only)

**Stormwater Discharges Associated with Construction Activity Under State
 Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-20-001**

All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

**-IMPORTANT-
 RETURN THIS FORM TO THE ADDRESS ABOVE**

OWNER/OPERATOR MUST SIGN FORM

Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)

Owner/Operator Contact Person Last Name (NOT CONSULTANT)

Owner/Operator Contact Person First Name

Owner/Operator Mailing Address

City

State

Zip

 -

Phone (Owner/Operator)

 - -

Fax (Owner/Operator)

 - -

Email (Owner/Operator)

FED TAX ID

 -

(not required for individuals)

Project Site Information																													
Project/Site Name																													
Street Address (NOT P.O. BOX)																													
Side of Street																													
☐ North ☐ South ☐ East ☐ West																													
City/Town/Village (THAT ISSUES BUILDING PERMIT)																													
State					Zip					County										DEC Region									
N Y					-																								
Name of Nearest Cross Street																													
Distance to Nearest Cross Street (Feet)															Project In Relation to Cross Street														
															☐ North ☐ South ☐ East ☐ West														
Tax Map Numbers Section-Block-Parcel															Tax Map Numbers														

1. Provide the Geographic Coordinates for the project site. To do this, go to the NYSDEC Stormwater Interactive Map on the DEC website at:

<https://giservices.dec.ny.gov/gis/stormwater/>

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located the centroid of your project site, go to the bottom right hand corner of the map for the X, Y coordinates. Enter the coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting)

-7						
----	--	--	--	--	--	--

Ex. -73.749

Y Coordinates (Northing)

4						
---	--	--	--	--	--	--

Ex. 42.652

2. What is the nature of this construction project?

- ☐ New Construction
- ☐ Redevelopment with increase in impervious area
- ☐ Redevelopment with no increase in impervious area

3. Select the predominant land use for both pre and post development conditions.

SELECT ONLY ONE CHOICE FOR EACH

Pre-Development Existing Land Use

- ☐ FOREST
- ☐ PASTURE/OPEN LAND
- ☐ CULTIVATED LAND
- ☐ SINGLE FAMILY HOME
- ☐ SINGLE FAMILY SUBDIVISION
- ☐ TOWN HOME RESIDENTIAL
- ☐ MULTIFAMILY RESIDENTIAL
- ☐ INSTITUTIONAL/SCHOOL
- ☐ INDUSTRIAL
- ☐ COMMERCIAL
- ☐ ROAD/HIGHWAY
- ☐ RECREATIONAL/SPORTS FIELD
- ☐ BIKE PATH/TRAIL
- ☐ LINEAR UTILITY
- ☐ PARKING LOT
- ☐ OTHER

[illegible]

Post-Development Future Land Use

- | | | | | |
|--|--|--|--|--|
| ☐ SINGLE FAMILY HOME | Number of Lots | | | |
| ☐ SINGLE FAMILY SUBDIVISION | <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> <td style="width: 30px; height: 30px;"></td> </tr> </table> | | | |
| | | | | |
| ☐ TOWN HOME RESIDENTIAL | | | | |
| ☐ MULTIFAMILY RESIDENTIAL | | | | |
| ☐ INSTITUTIONAL/SCHOOL | | | | |
| ☐ INDUSTRIAL | | | | |
| ☐ COMMERCIAL | | | | |
| ☐ MUNICIPAL | | | | |
| ☐ ROAD/HIGHWAY | | | | |
| ☐ RECREATIONAL/SPORTS FIELD | | | | |
| ☐ BIKE PATH/TRAIL | | | | |
| ☐ LINEAR UTILITY (water, sewer, gas, etc.) | | | | |
| ☐ PARKING LOT | | | | |
| ☐ CLEARING/GRADING ONLY | | | | |
| ☐ DEMOLITION, NO REDEVELOPMENT | | | | |
| ☐ WELL DRILLING ACTIVITY *(Oil, Gas, etc.) | | | | |
| ☐ OTHER | | | | |

[illegible]

***Note:** for gas well drilling, non-high volume hydraulic fractured wells only

4. In accordance with the larger common plan of development or sale, enter the total project site area; the total area to be disturbed; existing impervious area to be disturbed (for redevelopment activities); and the future impervious area constructed within the disturbed area. (Round to the nearest tenth of an acre.)

Total Site Area

--	--	--	--

 .

Total Area To Be Disturbed

--	--	--	--	--	--

**Existing Impervious
Area To Be Disturbed**

--	--	--	--	--	--

**Future Impervious
Area Within
Disturbed Area**

				■	
--	--	--	--	---	--

5. Do you plan to disturb more than 5 acres of soil at any one time?

☐ **Yes** ☐ **No**

6. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

A			%

B			%

C			%

D			%

7. Is this a phased project?

☐ Yes ☐ No

8. Enter the planned start and end dates of the disturbance activities.

Start Date

	/		/	
--	---	--	---	--

End Date

	/		/	
--	---	--	---	--

[illegible]

☐ Wetland / State Jurisdiction On Site (Answer 9b)

☐ Wetland / State Jurisdiction Off Site

☐ Wetland / Federal Jurisdiction On Site (Answer 9b)

☐ Wetland / Federal Jurisdiction Off Site

☐ Stream / Creek On Site

☐ Stream / Creek Off Site

☐ River On Site

☐ River Off Site

☐ Lake On Site

☐ Lake Off Site

☐ Other Type On Site

☐ Other Type Off Site

☐ Regulatory Map

☐ Delineated by Consultant

☐ Delineated by Army Corps of Engineers

☐ Other (identify)

☐ **Yes** ☐ **No**

☐ Yes ☐ No

☐ **Yes** ☐ **No**

☐ Yes ☐ No

--	--	--	--	--	--

☐ **Yes** ☐ **No**

15. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)? ☐ Yes ☐ No ☐ Unknown

- [illegible]

17. Does any runoff from the site enter a sewer classified as a Combined Sewer? ☐ Yes ☐ No ☐ Unknown

18. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law? ☐ Yes ☐ No

19. Is this property owned by a state authority, state agency, federal government or local government? ☐ Yes ☐ No

20. Is this a remediation project being done under a Department approved work plan? (i.e. CERCLA, RCRA, Voluntary Cleanup Agreement, etc.) ☐ Yes ☐ No

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book)? ☐ Yes ☐ No

22. Does this construction activity require the development of a SWPPP that includes the post-construction stormwater management practice component (i.e. Runoff Reduction, Water Quality and Quantity Control practices/techniques)? ☐ Yes ☐ No
- If No, skip questions 23 and 27-39.**

23. Has the post-construction stormwater management practice component of the SWPPP been developed in conformance with the current NYS Stormwater Management Design Manual? ☐ Yes ☐ No

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ☐ Professional Engineer (P.E.)
- ☐ Soil and Water Conservation District (SWCD)
- ☐ Registered Landscape Architect (R.L.A.)
- ☐ Certified Professional in Erosion and Sediment Control (CPESC)
- ☐ Owner/Operator
- ☐ Other

[illegible]

SWPPP Preparer

[illegible]

Contact Name (Last, Space, First)

[illegible]

Mailing Address

[illegible]

City

[illegible]

State Zip

						-				
--	--	--	--	--	--	---	--	--	--	--

Phone

--	--	--	--

Fax

--	--	--	--	--	--	--

Email

[illegible][illegible]

SWPPP Preparer Certification

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-20-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First Name

[illegible]

MI

7

Last Name

[illegible]

Signature

--

Date _____

--	--

/

--	--

/

--	--	--	--

☐ Yes ☐ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

- ☐ Check Dams
- ☐ Construction Road Stabilization
- ☐ Dust Control
- ☐ Earth Dike
- ☐ Level Spreader
- ☐ Perimeter Dike/Swale
- ☐ Pipe Slope Drain
- ☐ Portable Sediment Tank
- ☐ Rock Dam
- ☐ Sediment Basin
- ☐ Sediment Traps
- ☐ Silt Fence
- ☐ Stabilized Construction Entrance
- ☐ Storm Drain Inlet Protection
- ☐ Straw/Hay Bale Dike
- ☐ Temporary Access Waterway Crossing
- ☐ Temporary Stormdrain Diversion
- ☐ Temporary Swale
- ☐ Turbidity Curtain
- ☐ Water bars

Biotechnical

- ☐ Brush Matting
- ☐ Wattling

Other

[illegible]

Vegetative Measures

- ☐ Brush Matting
- ☐ Dune Stabilization
- ☐ Grassed Waterway
- ☐ Mulching
- ☐ Protecting Vegetation
- ☐ Recreation Area Improvement
- ☐ Seeding
- ☐ Sodding
- ☐ Straw/Hay Bale Dike
- ☐ Streambank Protection
- ☐ Temporary Swale
- ☐ Topsoiling
- ☐ Vegetating Waterways

Permanent Structural

- ☐ Debris Basin
- ☐ Diversion
- ☐ Grade Stabilization Structure
- ☐ Land Grading
- ☐ Lined Waterway (Rock)
- ☐ Paved Channel (Concrete)
- ☐ Paved Flume
- ☐ Retaining Wall
- ☐ Riprap Slope Protection
- ☐ Rock Outlet Protection
- ☐ Streambank Protection

Post-construction Stormwater Management Practice (SMP) Requirements

Important: Completion of Questions 27-39 is not required if response to Question 22 is No.

27. Identify all site planning practices that were used to prepare the final site plan/layout for the project.

- ☐ Preservation of Undisturbed Areas
- ☐ Preservation of Buffers
- ☐ Reduction of Clearing and Grading
- ☐ Locating Development in Less Sensitive Areas
- ☐ Roadway Reduction
- ☐ Sidewalk Reduction
- ☐ Driveway Reduction
- ☐ Cul-de-sac Reduction
- ☐ Building Footprint Reduction
- ☐ Parking Reduction

27a. Indicate which of the following soil restoration criteria was used to address the requirements in Section 5.1.6("Soil Restoration") of the Design Manual (2010 version).

- ☐ All disturbed areas will be restored in accordance with the Soil Restoration requirements in Table 5.3 of the Design Manual (see page 5-22).
- ☐ Compacted areas were considered as impervious cover when calculating the **WQv Required**, and the compacted areas were assigned a post-construction Hydrologic Soil Group (HSG) designation that is one level less permeable than existing conditions for the hydrology analysis.

28. Provide the total Water Quality Volume (WQv) required for this project (based on final site plan/layout).

Total WQv Required

. acre-feet

29. Identify the RR techniques (Area Reduction), RR techniques(Volume Reduction) and Standard SMPs with RRV Capacity in Table 1 (See Page 9) that were used to reduce the Total WQv Required(#28).

Also, provide in Table 1 the total impervious area that contributes runoff to each technique/practice selected. For the Area Reduction Techniques, provide the total contributing area (includes pervious area) and, if applicable, the total impervious area that contributes runoff to the technique/practice.

Note: Redevelopment projects shall use Tables 1 and 2 to identify the SMPs used to treat and/or reduce the WQv required. If runoff reduction techniques will not be used to reduce the required WQv, skip to question 33a after identifying the SMPs.

Table 1 - Runoff Reduction (RR) Techniques
and Standard Stormwater Management
Practices (SMPs)

RR Techniques (Area Reduction)	Total Contributing Area (acres)	Total Contributing Impervious Area (acres)
☐ Conservation of Natural Areas (RR-1) ...	.	and/or .
☐ Sheetflow to Riparian Buffers/Filters Strips (RR-2)	.	and/or .
☐ Tree Planting/Tree Pit (RR-3)	.	and/or .
☐ Disconnection of Rooftop Runoff (RR-4) ..	.	and/or .
RR Techniques (Volume Reduction)		
☐ Vegetated Swale (RR-5)	.	.
☐ Rain Garden (RR-6)	.	.
☐ Stormwater Planter (RR-7)	.	.
☐ Rain Barrel/Cistern (RR-8)	.	.
☐ Porous Pavement (RR-9)	.	.
☐ Green Roof (RR-10)	.	.
Standard SMPs with RRv Capacity		
☐ Infiltration Trench (I-1)	.	.
☐ Infiltration Basin (I-2)	.	.
☐ Dry Well (I-3)	.	.
☐ Underground Infiltration System (I-4)	.	.
☐ Bioretention (F-5)	.	.
☐ Dry Swale (O-1)	.	.
Standard SMPs		
☐ Micropool Extended Detention (P-1)	.	.
☐ Wet Pond (P-2)	.	.
☐ Wet Extended Detention (P-3)	.	.
☐ Multiple Pond System (P-4)	.	.
☐ Pocket Pond (P-5)	.	.
☐ Surface Sand Filter (F-1)	.	.
☐ Underground Sand Filter (F-2)	.	.
☐ Perimeter Sand Filter (F-3)	.	.
☐ Organic Filter (F-4)	.	.
☐ Shallow Wetland (W-1)	.	.
☐ Extended Detention Wetland (W-2)	.	.
☐ Pond/Wetland System (W-3)	.	.
☐ Pocket Wetland (W-4)	.	.
☐ Wet Swale (O-2)	.	.

Table 2 - Alternative SMPs
(DO NOT INCLUDE PRACTICES BEING USED FOR PRETREATMENT ONLY)

Alternative SMP	Total Contributing Impervious Area(acres)																																	
☐ Hydrodynamic	<table border="1" style="float: right; text-align: center;"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> .																																	
☐ Wet Vault	<table border="1" style="float: right; text-align: center;"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> .																																	
☐ Media Filter	<table border="1" style="float: right; text-align: center;"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> .																																	
☐ Other <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																						<table border="1" style="float: right; text-align: center;"><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> .												

Provide the name and manufacturer of the Alternative SMPs (i.e. proprietary practice(s)) being used for WQv treatment.

Name

Manufacturer

Note: Redevelopment projects which do not use RR techniques, shall use questions 28, 29, 33 and 33a to provide SMPs used, total WQv required and total WQv provided for the project.

**Total Contributing
Impervious Area(acres)**

☐ Hydrodynamic				•													
☐ Wet Vault				•													
☐ Media Filter				•													
☐ Other <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>														•			

[illegible][illegible]

30. Indicate the Total RRv provided by the RR techniques (Area/Volume Reduction) and Standard SMPs with RRv capacity identified in question 29.

--	--	--

 ·

--	--	--

acre-feet

☐ Yes ☐ No

--	--	--

 ·

--	--	--

acre-feet

☐ Yes ☐ No

Page 10 of 14

33. Identify the Standard SMPs in Table 1 and, if applicable, the Alternative SMPs in Table 2 that were used to treat the remaining total WQv(=Total WQv Required in 28 - Total RRV Provided in 30).

Also, provide in Table 1 and 2 the total impervious area that contributes runoff to each practice selected.

Note: Use Tables 1 and 2 to identify the SMPs used on Redevelopment projects.

- 33a. Indicate the Total WQv provided (i.e. WQv treated) by the SMPs identified in question #33 and Standard SMPs with RRV Capacity identified in question 29.

WQv Provided

. acre-feet

Note: For the standard SMPs with RRV capacity, the WQv provided by each practice = the WQv calculated using the contributing drainage area to the practice - RRV provided by the practice. (See Table 3.5 in Design Manual)

34. Provide the sum of the Total RRV provided (#30) and the WQv provided (#33a).

.

35. Is the sum of the RRV provided (#30) and the WQv provided (#33a) greater than or equal to the total WQv required (#28)? ☐ Yes ☐ No

If Yes, go to question 36.

If No, sizing criteria has not been met, so NOI can not be processed. SWPPP preparer must modify design to meet sizing criteria.

36. Provide the total Channel Protection Storage Volume (CPv) required and provided or select waiver (36a), if applicable.

CPv Required

. acre-feet

CPv Provided

. acre-feet

- 36a. The need to provide channel protection has been waived because:

- ☐ Site discharges directly to tidal waters or a fifth order or larger stream.
- ☐ Reduction of the total CPv is achieved on site through runoff reduction techniques or infiltration systems.

37. Provide the Overbank Flood (Qp) and Extreme Flood (Qf) control criteria or select waiver (37a), if applicable.

Total Overbank Flood Control Criteria (Qp)

Pre-Development

. CFS

Post-development

. CFS

Total Extreme Flood Control Criteria (Qf)

Pre-Development

. CFS

Post-development

. CFS

- ☐ Site discharges directly to tidal waters or a fifth order or larger stream.
- ☐ Downstream analysis reveals that the Qp and Qf controls are not required

☐ **Yes** ☐ **No**

[illegible]

40. Identify other DEC permits, existing and new, that are required for this project/facility.

- ☐ Air Pollution Control
- ☐ Coastal Erosion
- ☐ Hazardous Waste
- ☐ Long Island Wells
- ☐ Mined Land Reclamation
- ☐ Solid Waste
- ☐ Navigable Waters Protection / Article 15
- ☐ Water Quality Certificate
- ☐ Dam Safety
- ☐ Water Supply
- ☐ Freshwater Wetlands/Article 24
- ☐ Tidal Wetlands
- ☐ Wild, Scenic and Recreational Rivers
- ☐ Stream Bed or Bank Protection / Article 15
- ☐ Endangered or Threatened Species(Incidental Take Permit)
- ☐ Individual SPDES
- ☐ SPDES Multi-Sector GP

N	Y	R							
---	---	---	--	--	--	--	--	--	--
- ☐ Other

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
- ☐ None

41. Does this project require a US Army Corps of Engineers Wetland Permit?

☐ Yes ☐ No

If Yes, Indicate Size of Impact.

--	--	--	--	--	--

42. Is this project subject to the requirements of a regulated, traditional land use control MS4?
(If No, skip question 43)

☐ Yes ☐ No

43. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI?

☐ Yes ☐ No

44. If this NOI is being submitted for the purpose of continuing or transferring coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned.

N	Y	R							
---	---	---	--	--	--	--	--	--	--

Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MI

--

Print Last Name

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Owner/Operator Signature

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date

		/			/				
--	--	---	--	--	---	--	--	--	--

Appendix D

Blank NOT Form

**New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505**

(NOTE: Submit completed form to address above)

NOTICE OF TERMINATION for Storm Water Discharges Authorized
under the SPDES General Permit for Construction Activity

Please indicate your permit identification number: NYR ____ _

I. Owner or Operator Information

1. Owner/Operator Name:

2. Street Address:

3. City/State/Zip:

4. Contact Person:

4a. Telephone:

4b. Contact Person E-Mail:

II. Project Site Information

5. Project/Site Name:

6. Street Address:

7. City/Zip:

8. County:

III. Reason for Termination

9a. ☐ All disturbed areas have achieved final stabilization in accordance with the general permit and SWPPP. ***Date final stabilization completed** (month/year): _____

9b. ☐ Permit coverage has been transferred to new owner/operator. Indicate new owner/operator's permit identification number: NYR ____ _
(Note: Permit coverage can not be terminated by owner identified in I.1. above until new owner/operator obtains coverage under the general permit)

9c. ☐ Other (Explain on Page 2)

IV. Final Site Information:

10a. Did this construction activity require the development of a SWPPP that includes post-construction stormwater management practices? ☐ yes ☐ no (If no, go to question 10f.)

10b. Have all post-construction stormwater management practices included in the final SWPPP been constructed? ☐ yes ☐ no (If no, explain on Page 2)

10c. Identify the entity responsible for long-term operation and maintenance of practice(s)?

**NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued**

10d. Has the entity responsible for long-term operation and maintenance been given a copy of the operation and maintenance plan required by the general permit? ☐ yes ☐ no

10e. Indicate the method used to ensure long-term operation and maintenance of the post-construction stormwater management practice(s):

- ☐ Post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain practice(s) have been deeded to the municipality.
- ☐ Executed maintenance agreement is in place with the municipality that will maintain the post-construction stormwater management practice(s).
- ☐ For post-construction stormwater management practices that are privately owned, a mechanism is in place that requires operation and maintenance of the practice(s) in accordance with the operation and maintenance plan, such as a deed covenant in the owner or operator's deed of record.
- ☐ For post-construction stormwater management practices that are owned by a public or private institution (e.g. school, university or hospital), government agency or authority, or public utility; policy and procedures are in place that ensures operation and maintenance of the practice(s) in accordance with the operation and maintenance plan.

10f. Provide the total area of impervious surface (i.e. roof, pavement, concrete, gravel, etc.) constructed within the disturbance area? _____
(acres)

11. Is this project subject to the requirements of a regulated, traditional land use control MS4? ☐ yes
☐ no
(If Yes, complete section VI - "MS4 Acceptance" statement)

V. Additional Information/Explanation:
(Use this section to answer questions 9c. and 10b., if applicable)

VI. MS4 Acceptance - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative (Note: Not required when 9b. is checked -transfer of coverage)

I have determined that it is acceptable for the owner or operator of the construction project identified in question 5 to submit the Notice of Termination at this time.

Printed Name:

Title/Position:

Signature:

Date:

NOTICE OF TERMINATION for Storm Water Discharges Authorized under the
SPDES General Permit for Construction Activity - continued

VII. Qualified Inspector Certification - Final Stabilization:

I hereby certify that all disturbed areas have achieved final stabilization as defined in the current version of the general permit, and that all temporary, structural erosion and sediment control measures have been removed. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

VIII. Qualified Inspector Certification - Post-construction Stormwater Management Practice(s):

I hereby certify that all post-construction stormwater management practices have been constructed in conformance with the SWPPP. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

IX. Owner or Operator Certification

I hereby certify that this document was prepared by me or under my direction or supervision. My determination, based upon my inquiry of the person(s) who managed the construction activity, or those persons directly responsible for gathering the information, is that the information provided in this document is true, accurate and complete. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

Printed Name:

Title/Position:

Signature:

Date:

(NYS DEC Notice of Termination - January 2015)

Appendix E

Emergency Contact List

Emergency Contacts

Ossining Fire Department

21 State St

Ossining, NY 10562

Emergency: Dial 911

(914) 941-0215

Ossining Police Department

Kevin Sylvester, Chief of Police

88 Spring Street

Ossining, NY 10562

Emergency: Dial 911

(914) 941-4099

New York Department of Environmental Protection

(518) 357-2068 (Regional Director)

United States Environmental Protection Agency

(617) 918-1111

Appendix F

Draft Construction Site Notice

Construction Site Notice

Job Superintendent Contact Name, Title & Phone Number:

TBD

Location of SWPPP: Construction Office

SPDES Project Number: TBD

Project Description: Phase 1 includes the preparation of the site for construction and consists of erosion control measures such as silt fence, stabilized construction exit(s), and haybales. Phase I also includes clearing and grubbing of trees, earthwork, construction of temporary sedimentation basins. Phase II includes the installation of solar module racking and electrical conduit trenching as well as excavation for concrete equipment pads. The pouring of concrete is also included in Phase II. Phase III includes installation of perimeter fences, gates and gravel access aisles. Final stabilization (hand grading and hydroseeding) along with removal of erosion and sedimentation control measures is included.

* A copy of the NOFs, NOC's and this Construction Site Notice must be posted in a conspicuous location near the main entrance of the construction site. The notice must include the SPDES Permit number and a contact phone number for obtaining permit information. The notice must be made visible from a public road that is nearest to the active part of the construction site, and it must use a font large enough to be viewed from a public road.

Appendix G

Subcontractor Certifications

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

SPDES Project Number: TBD

Project Title: Ossining Energy Storage Project

Operator: TBD

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I hereby certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP and agree to implement any corrective actions identified by the *qualified inspector* during a site inspection. I also understand that the *owner or operator* must comply with the terms and conditions of the most current version of the New York State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater *discharges from construction activities* and that it is unlawful for any person to cause or contribute to a violation of *water quality standards*. Furthermore, I am aware that there are significant penalties for submitting false information, that I do not believe to be true, including the possibility of fine and imprisonment of knowing violations.

This certification is hereby signed in reference to the above-named project:

Company: _____

Address: _____

Telephone Number: _____

Description of Work: _____

Trained Contractor's Signature: _____

Title: _____

Date: _____

Appendix H

Blank Construction Site Log Book Forms

**STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM
FOR CONSTRUCTION ACTIVITIES**

CONSTRUCTION SITE LOG BOOK

Table of Contents

- I. Pre-Construction Meeting Documents.
 - a. Preamble to Site Assessment and Inspections
 - b. Operator's Certification
 - c. Qualified Professional's Credentials & Certification
 - d. Pre-Construction Site Assessment Checklist
- a. II. Construction Duration Inspections
 - a. Directions
 - b. Modification to the SWPPP
- III. Monthly Summary Reports
- IV. Monitoring, Reporting, and Three-Month Status Reports
 - a. Operator's Compliance Response Form
- a

Properly completing forms such as those contained in this document meet the inspection requirement of NYSDEC SPDES GP for Construction Activities. Completed forms shall be kept on site at all times and made available to authorities upon request.

I. PRE-CONSTRUCTION MEETING DOCUMENTS

Project Name _____

Permit No. _____ **Date of Authorization** _____

Name of Operator _____

Prime Contractor _____

a. Preamble to Site Assessment and Inspections -The Following Information To Be Read By All Person's Involved in The Construction of Stormwater Related Activities:

The Operator agrees to have a qualified professional¹ conduct an assessment of the site prior to the commencement of construction² and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Operator shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements.

When construction starts, site inspections shall be conducted by the qualified professional at least every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater (Construction Duration Inspections). The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request. The Operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis (Monthly Summary Report).

The operator shall also prepare a written summary of compliance with this general permit at a minimum frequency of every three months (Operator's Compliance Response Form), while coverage exists. The summary should address the status of achieving each component of the SWPPP.

Prior to filing the Notice of Termination or the end of permit term, the Operator shall have a qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization³ using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

1 "Qualified Professional means a person knowledgeable in the principles and practice of erosion and sediment controls, such as a Certified Professional in Erosion and Sediment Control (CPESC), soil scientist, licensed engineer or someone working under the direction and supervision of a licensed engineer (person must have experience in the principles and practices of erosion and sediment control).

2 "Commencement of construction" means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.

3 "Final stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

b. Operators Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law. "

Name (please print): _____

Title _____ **Date:** _____

Address: _____

Phone: _____ **Email:** _____

Signature: _____

c. Qualified Professional's Credentials & Certification

"I hereby certify that I meet the criteria set forth in the General Permit to conduct site inspections for this project and that the appropriate erosion and sediment controls described in the SWPPP and as described in the following Pre-construction Site Assessment Checklist have been adequately installed or implemented, ensuring the overall preparedness of this site for the commencement of construction."

Name (please print): _____

Title _____ **Date:** _____

Address: _____

Phone: _____ **Email:** _____

Signature: _____

d. Pre-construction Site Assessment Checklist (NOTE: Provide comments below as necessary)

1. Notice of Intent, SWPPP, and Contractors Certification:

Yes No NA

☐ ☐ ☐ Has a Notice of Intent been filed with the NYS Department of Conservation?

☐ ☐ ☐ Is the SWPPP on-site? Where? _____

☐ ☐ ☐ Is the Plan current? What is the latest revision date? _____

☐ ☐ ☐ Is a copy of the NOI (with brief description) onsite? Where? _____

☐ ☐ ☐ Have all contractors involved with stormwater related activities signed a contractor's certification?

Pre-construction Site Assessment Checklist (continued)

2. Resource Protection

Yes No NA

- ☐ ☐ ☐ Are construction limits clearly flagged or fenced?
- ☐ ☐ ☐ Important trees and associated rooting zones, on-site septic system absorption fields, existing vegetated areas suitable for filter strips, especially in perimeter areas, have been flagged for protection.
- ☐ ☐ ☐ Creek crossings installed prior to land-disturbing activity, including clearing and blasting.

3. Surface Water Protection

Yes No NA

- ☐ ☐ ☐ Clean stormwater runoff has been diverted from areas to be disturbed.
- ☐ ☐ ☐ Bodies of water located either on site or in the vicinity of the site have been identified and protected.
- ☐ ☐ ☐ Appropriate practices to protect on-site or downstream surface water are installed.
- ☐ ☐ ☐ Are clearing and grading operations divided into areas <5 acres?

4. Stabilized Construction Entrance

Yes No NA

- ☐ ☐ ☐ A temporary construction entrance to capture mud and debris from construction vehicles before they enter the public highway has been installed.
- ☐ ☐ ☐ Other access areas (entrances, construction routes, equipment parking areas) are stabilized immediately as work takes place with gravel or other cover.
- ☐ ☐ ☐ Sediment tracked onto public streets is removed or cleaned on a regular basis.

5. Perimeter Sediment Controls

Yes No NA

- ☐ ☐ ☐ Silt fence material and installation comply with the standard drawing and specifications.
- ☐ ☐ ☐ Silt fences are installed at appropriate spacing intervals
- ☐ ☐ ☐ Sediment/detention basin was installed as first land disturbing activity.
- ☐ ☐ ☐ Sediment traps and barriers are installed.

6. Pollution Prevention for Waste and Hazardous Materials

Yes No NA

- ☐ ☐ ☐ The Operator or designated representative has been assigned to implement the spill prevention avoidance and response plan.
- ☐ ☐ ☐ The plan is contained in the SWPPP on page _____
- ☐ ☐ ☐ Appropriate materials to control spills are onsite. Where? _____

II. CONSTRUCTION DURATION INSPECTIONS

a. Directions:

Inspection Forms will be filled out during the entire construction phase of the project.

Required Elements:

(1) On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period;

(2) Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization;

(3) Indicate all disturbed site areas that have not undergone active site work during the previous 14-day period;

Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of sediment storage volume (for example, 10 percent, 20 percent, 50 percent);

(5) Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of barrier or diversion systems (earthen berms or silt fencing) and containment systems (sediment basins and sediment traps). Identify any evidence of rill or gully erosion occurring on slopes and any loss of stabilizing vegetation or seeding/mulching. Document any excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures, and verify the ability of rock filters around perforated riser pipes to pass water; and

(6) Immediately report to the Operator any deficiencies that are identified with the implementation of the SWPPP.

SITE PLAN/SKETCH

Inspector (print name)

Date of Inspection

Qualified Professional (print name)

Qualified Professional Signature

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

Maintaining Water Quality

Yes No NA

- ☐ ☐ ☐ Is there an increase in turbidity causing a substantial visible contrast to natural conditions?
- ☐ ☐ ☐ Is there residue from oil and floating substances, visible oil film, or globules or grease?
- ☐ ☐ ☐ All disturbance is within the limits of the approved plans.
- ☐ ☐ ☐ Have receiving lake/bay, stream, and/or wetland been impacted by silt from project?

Housekeeping

1. General Site Conditions

Yes No NA

- ☐ ☐ ☐ Is construction site litter and debris appropriately managed?
- ☐ ☐ ☐ Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained?
- ☐ ☐ ☐ Is construction impacting the adjacent property?
- ☐ ☐ ☐ Is dust adequately controlled?

2. Temporary Stream Crossing

Yes No NA

- ☐ ☐ ☐ Maximum diameter pipes necessary to span creek without dredging are installed.
- ☐ ☐ ☐ Installed non-woven geotextile fabric beneath approaches.
- ☐ ☐ ☐ Is fill composed of aggregate (no earth or soil)?
- ☐ ☐ ☐ Rock on approaches is clean enough to remove mud from vehicles & prevent sediment from entering stream during high flow.

Runoff Control Practices

1. Excavation Dewatering

Yes No NA

- ☐ ☐ ☐ Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.
- ☐ ☐ ☐ Clean water from upstream pool is being pumped to the downstream pool.
- ☐ ☐ ☐ Sediment laden water from work area is being discharged to a silt-trapping device.
- ☐ ☐ ☐ Constructed upstream berm with one-foot minimum freeboard.

2. Level Spreader

Yes No NA

- ☐ ☐ ☐ Installed per plan.
- ☐ ☐ ☐ Constructed on undisturbed soil, not on fill, receiving only clear, non-sediment laden flow.
- ☐ ☐ ☐ Flow sheets out of level spreader without erosion on downstream edge.

3. Interceptor Dikes and Swales

Yes No NA

- ☐ ☐ ☐ Installed per plan with minimum side slopes 2H:1V or flatter.
- ☐ ☐ ☐ Stabilized by geotextile fabric, seed, or mulch with no erosion occurring.
- ☐ ☐ ☐ Sediment-laden runoff directed to sediment trapping structure

CONSTRUCTION DURATION INSPECTIONS
Runoff Control Practices (continued)

Page 3 of _____

4. Stone Check Dam

Yes No NA

- ☐ ☐ ☐ Is channel stable? (flow is not eroding soil underneath or around the structure).
☐ ☐ ☐ Check is in good condition (rocks in place and no permanent pools behind the structure).
☐ ☐ ☐ Has accumulated sediment been removed?.

5. Rock Outlet Protection

Yes No NA

- ☐ ☐ ☐ Installed per plan.
☐ ☐ ☐ Installed concurrently with pipe installation.

Soil Stabilization

1. Topsoil and Spoil Stockpiles

Yes No NA

- ☐ ☐ ☐ Stockpiles are stabilized with vegetation and/or mulch.
☐ ☐ ☐ Sediment control is installed at the toe of the slope.

2. Revegetation

Yes No NA

- ☐ ☐ ☐ Temporary seedings and mulch have been applied to idle areas.
☐ ☐ ☐ 4 inches minimum of topsoil has been applied under permanent seedings

Sediment Control

1. Stabilized Construction Entrance

Yes No NA

- ☐ ☐ ☐ Stone is clean enough to effectively remove mud from vehicles.
☐ ☐ ☐ Installed per standards and specifications?
☐ ☐ ☐ Does all traffic use the stabilized entrance to enter and leave site?
☐ ☐ ☐ Is adequate drainage provided to prevent ponding at entrance?

2. Silt Fence

Yes No NA

- ☐ ☐ ☐ Installed on Contour, 10 feet from toe of slope (not across conveyance channels).
☐ ☐ ☐ Joints constructed by wrapping the two ends together for continuous support.
☐ ☐ ☐ Fabric buried 6 inches minimum.
☐ ☐ ☐ Posts are stable, fabric is tight and without rips or frayed areas.
Sediment accumulation is ____% of design capacity.

Sediment Control (continued)

3. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated practices)

Yes No NA

- ☐ ☐ ☐ Installed concrete blocks lengthwise so open ends face outward, not upward.
 - ☐ ☐ ☐ Placed wire screen between No. 3 crushed stone and concrete blocks.
 - ☐ ☐ ☐ Drainage area is 1 acre or less.
 - ☐ ☐ ☐ Excavated area is 900 cubic feet.
 - ☐ ☐ ☐ Excavated side slopes should be 2:1.
 - ☐ ☐ ☐ 2" x 4" frame is constructed and structurally sound.
 - ☐ ☐ ☐ Posts 3-foot maximum spacing between posts.
 - ☐ ☐ ☐ Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing.
 - ☐ ☐ ☐ Posts are stable, fabric is tight and without rips or frayed areas.
- Sediment accumulation ____% of design capacity.

4. Temporary Sediment Trap

Yes No NA

- ☐ ☐ ☐ Outlet structure is constructed per the approved plan or drawing.
 - ☐ ☐ ☐ Geotextile fabric has been placed beneath rock fill.
- Sediment accumulation is ____% of design capacity.

5. Temporary Sediment Basin

Yes No NA

- ☐ ☐ ☐ Basin and outlet structure constructed per the approved plan.
 - ☐ ☐ ☐ Basin side slopes are stabilized with seed/mulch.
 - ☐ ☐ ☐ Drainage structure flushed and basin surface restored upon removal of sediment basin facility.
- Sediment accumulation is ____% of design capacity.

Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific design.
Construction inspection checklists for post-development stormwater management practices can be found in Appendix F of the New York Stormwater Management Design Manual.

b. Modifications to the SWPPP (To be completed as described below)

1. There is a significant change in design, construction, operation, or maintenance which may have a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the SWPPP; or

a. Eliminating or significantly minimizing pollutants from sources identified in the SWPPP and as required by this permit; or

3. Additionally, the SWPPP shall be amended to identify any new contractor or subcontractor that will implement any measure of the SWPPP.

This image shows a full page of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice or general writing. There are no margins, text, or other markings on the page.

III. Monthly Summary of Site Inspection Activities

Name of Permitted Facility:	Today's Date:	Reporting Month:
Location:	Permit Identification #:	
Name and Telephone Number of Site Inspector:		

Date of Inspection	Regular / Rainfall based Inspection	Name of Inspector	Items of Concern

Owner/Operator Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Signature of Permittee or Duly Authorized Representative

Name of Permittee or Duly Authorized Representative date

Duly authorized representatives must have written authorization, submitted to DEC, to sign any permit documents.

Appendix I

Misc. Forms

Stormwater Construction Site Inspection Report

General Information			
Project Name	Ossining Energy Storage Projects		
SPDES Permit No.	TBD	Location	381 N. Highland Ave, Ossining, NY 10562
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			
Describe present phase of construction			
Type of Inspection: ☐ Regular (every 7 days) or ☐ Regular (every 14 days) ☐ Pre-storm event ☐ Post-storm event (within 24 hours of ¼")			
Weather Information			
Has there been a storm event since the last inspection? ☐ Yes ☐ No If yes, provide: Storm Start Date & Time: _____ Storm Duration (hrs): _____ Approx. Amount of Precipitation (in): _____			
Weather at time of this inspection? ☐ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snowing ☐ High Winds Temperature: _____ ° F			
Are there any discharges at the time of inspection? ☐ Yes ☐ No If yes, describe:			

Stormwater, Sediment and Erosion BMP's

	BMP	Date BMP Installed	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Stabilized Construction Exits		☐ Yes ☐ No	
2	Silt Fence		☐ Yes ☐ No	
3	Temporary Sediment Trap		☐ Yes ☐ No	
4	Sedimentation Basin		☐ Yes ☐ No	
5	Catch Basin Filter (gravel)		☐ Yes ☐ No	
6	Filter Berm		☐ Yes ☐ No	
7	Catch basin filters (geotextile)		☐ Yes ☐ No	
8	Concrete Washout Area		☐ Yes ☐ No	
9	Stockpile Management		☐ Yes ☐ No	
10	Dewatering practices		☐ Yes ☐ No	
11	Dust Control		☐ Yes ☐ No	
12	Temporary Seeding		☐ Yes ☐ No	
13	Temporary Mulching		☐ Yes ☐ No	
14	Permanent Seeding		☐ Yes ☐ No	
15	Permanent Plantings		☐ Yes ☐ No	
16	Permanent Mulching		☐ Yes ☐ No	
17	Pavement		☐ Yes ☐ No	
18	Others			

Overall Site Issues

BMP/activity	Implemented?	Maintenance Req'd?	Corrective Action Needed and Notes
Are slopes and disturbed areas not actively being worked properly stabilized?	☐ Yes ☐ No	☐ Yes ☐ No	
Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	☐ Yes ☐ No	☐ Yes ☐ No	
Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	☐ Yes ☐ No	☐ Yes ☐ No	
Are discharge points and receiving waters free of any sediment deposits?	☐ Yes ☐ No	☐ Yes ☐ No	
Are storm drain inlets properly protected?	☐ Yes ☐ No	☐ Yes ☐ No	
Is the construction exit preventing sediment from being tracked into the street?	☐ Yes ☐ No	☐ Yes ☐ No	

BMP/activity	Implemented?	Maintenance Req'd?	Corrective Action Needed and Notes
Is trash/litter from work areas collected and placed in covered dumpsters?	☐ Yes ☐ No	☐ Yes ☐ No	
Are washout Facility (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	☐ Yes ☐ No	☐ Yes ☐ No	
Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	☐ Yes ☐ No	☐ Yes ☐ No	
Are materials that are potential stormwater contaminants stored inside or under cover?	☐ Yes ☐ No	☐ Yes ☐ No	
Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	☐ Yes ☐ No	☐ Yes ☐ No	

Topic	Required Standard	Corrective Action Needed and Notes, Repairs, Replacement or Maintenance
Fueling of Equipment	Located outside of buffer, Flagged, designated area? Secondary containment provided? Evidence of spilled or leaking chemicals to drainage inlets or receiving waters? Adequate supply of spill kits, drip pans, sorbent pads? Proper disposal of waste?	
Equipment Maintenance	Is equipment vehicle washing outside of buffer? Flagged designated area? Secondary containment provided? Evidence of prohibited discharges, soap, detergents, solvents?	
Staging and Storage Areas	Located outside of buffer, Flagged, designated area? Secondary containment provided? Are construction materials protected with plastic sheeting or temporary roofs OR secondary containment? Is diesel fuel, hydraulic fluids, petroleum products, chemicals in covered, water-tight containers or secondary containment? Are all containers susceptible to spills or leaks labeled? Are MSDS sheets available on site?	
Pesticide, herbicide, insecticide, fertilizer storage, handling & use.	Is exposure of pesticide, herbicide, insecticide, fertilizer storage areas prevented? Are application and disposal on labels being followed?	
Washing of applicators and containers used for paint, concrete or others.	Located outside of buffer, Flagged, designated area? Is washwater directed to leakproof container or pit? Are containers or pits designed so no overflow occurs during rain or snow melt? Evidence of dumping liquid waste in storm drains or on the ground? Is removal and disposal of hardened concrete waste consistent with handling of other waste?	
Storage, handling and disposal of construction waste.	Is an area dedicated for management or disposal of land clearing and demolition debris, construction and domestic waste, hazardous or toxic and sanitary waste? Located outside of buffer? Waste containers provided? Lids or covers on containers? Waste that can't be disposed of, is it under covers or indoors? Is container overflow cleaned up? Are portable toilets stabilized and secure from tipping over?	
Hazardous or Toxic Waste	Is waste stored in sealed containers, labeled? Is waste stored away from buffer? Is waste stored separately from construction and domestic waste? In Secondary containment provided? Is waste cleaned up or stored in containers on a daily basis?	

☐ No incidents of non-compliance were found and I certify that this inspection found this site to be fully in compliance with both the SWPPP and the GP.

☐ There were incident(s) of non-compliance. Please describe below.

Corrective Action Log

☐ Repair, Modification or Replacement of Stormwater Control Measures.

☐ Clean up and disposal of spills, releases, or other deposits.

☐ Remedy a permit violation.

Description of BMP Deficiency	Inspection Date	Inspector Name	Corrective Action Needed (including planned responsible party)	Corrective Action Taken (including responsible party)
Stormwater control was never installed, was installed incorrectly or not in accordance with requirements.				
You became aware that the stormwater controls that were installed and are maintained are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in the CGP. In this case you must notify the DEC Regional Office by the end of the next work day.				

Certification: “I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Signature of Certifying Official or Duly Authorized Representative:

_____ Date: _____

Note: Corrective actions must be recorded within 24 hours of discovery. Where corrective actions result in changes to any of the stormwater controls or procedures documented in the SWPPP, the SWPPP shall be modified accordingly within 7 calendar days of completing corrective work. SWPPP Amendment required? ☐ Yes ☐ No If Yes, Amendment # _____

SWPPP Amendment Log

Project: 8,840 kW Solar Energy Generating Facility Ossining, NY SPDES Permit# - TBD

[illegible]

Stormwater Pollution Prevention Training Log

Project Name: **Ossining Energy Storage Project**

Project Location: **381 N Highland Ave, Ossining, NY 10562**

SPDES Permit #: **TBD**

Instructor's Name(s): **TBD**

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

☐ **Sediment and Erosion
Controls**

☐ **Emergency Procedures**

☐ **Stabilization Controls**

☐ **Inspections/Corrective Actions**

☐ **Pollution Prevention
Measures**

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		

Grading and Stabilization Activities Log

Project: Ossining Energy Storage Project, 381 N Highland Ave, Ossining, NY 10562

SPDES Permit # - TBD

[illegible]

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the 8,840 kW Solar Energy Generating Facility construction site at 381 N Highland Ave, in Ossining, NY. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

_____ (name of person or position)

_____ (company)

_____ (address)

_____ (city, state, zip)

_____ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Part VII.H.1 of the SPDES General Permit (GP-0-20-001), and that the designee above meets the definition of a “duly authorized representative” as set forth in the GP.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix J
Endangered Species
Documentation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

April 23, 2020

Josh Koppel
Borrego Solar Systems, Inc.
30 Century Hill Drive, Suite 301
Latham, NY 12110

Re: 381 N Highland Ave - Ossining
County: Westchester Town/City: Ossining

Dear Mr. Koppel:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur in the vicinity of the project site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 3 Office, Division of Environmental Permits, at dep.r3@dec.ny.gov.

Sincerely,



Heidi Krahling
Environmental Review Specialist
New York Natural Heritage Program



**The following state-listed animals have been documented
at or in the vicinity of the project site.**

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for the project, please contact the NYSDEC Region 3 Office, Department of Environmental Permits, at dep.r3@dec.ny.gov, (845) 256-3054.

The following species has been documented **throughout a non-breeding area that includes the project site, and nesting within 0.4 mile of the project site.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
Birds			
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Threatened	7329

The following species has been documented within 0.5 mile **of the project site.**

Birds			
Least Bittern <i>Breeding</i>	<i>Ixobrychus exilis</i>	Threatened	14097

The following species **have** been documented within 0.5 mile **of the project site.**

Fish			
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>	Endangered	Endangered 11619
Atlantic Sturgeon	<i>Acipenser oxyrinchus</i>	No Open Season	Endangered 11464

Note: This area is also a state-significant Anadromous Fish Concentration Area

This report only includes records from the NY Natural Heritage database.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office

3817 Luker Road
Cortland, NY 13045-9385

Phone: (607) 753-9334 Fax: (607) 753-9699

<http://www.fws.gov/northeast/nyfo/es/section7.htm>



In Reply Refer To:

May 27, 2020

Consultation Code: 05E1NY00-2020-SLI-3061

Event Code: 05E1NY00-2020-E-09149

Project Name: 381 N Highland Ave - Ossining

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 *et seq.*). This list can also be used to determine whether listed species may be present for projects without federal agency involvement. New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list.

Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC site at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list. If listed, proposed, or candidate species were identified as potentially occurring in the project area, coordination with our office is encouraged. Information on the steps involved with assessing potential impacts from projects can be found at: <http://www.fws.gov/northeast/nyfo/es/section7.htm>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (<http://www.fws.gov/windenergy/>

[eagle_guidance.html](#)). Additionally, wind energy projects should follow the Services wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the ESA. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9385

(607) 753-9334

This project's location is within the jurisdiction of multiple offices. Expect additional species list documents from the following office, and expect that the species and critical habitats in each document reflect only those that fall in the office's jurisdiction:

Long Island Ecological Services Field Office

340 Smith Road

Shirley, NY 11967-2258

(631) 286-0485

Project Summary

Consultation Code: 05E1NY00-2020-SLI-3061

Event Code: 05E1NY00-2020-E-09149

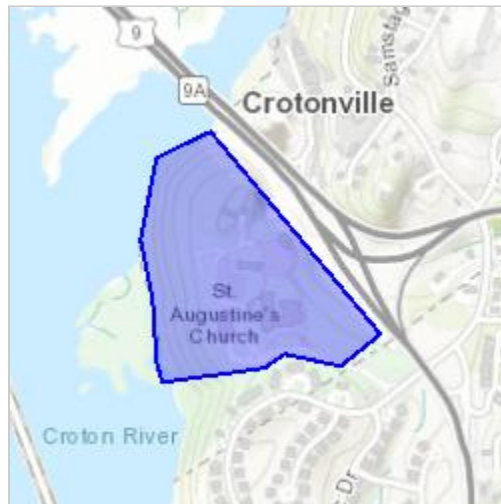
Project Name: 381 N Highland Ave - Ossining

Project Type: POWER GENERATION

Project Description: Power Generation

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/41.184960343434454N73.87419256567432W>



Counties: Westchester, NY

Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Appendix K
HydroCAD Output

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.



BORREGO SOLAR
55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER ANY DOCUMENT WHICH BEARS THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

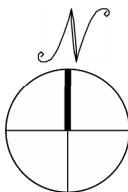
SITE USE PERMIT
381 N HIGHLAND AVE
OSSINING, NY 10562

PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	GG	DC	GG	DC	GG	DC	GG	DC	GG	DC
	10/16/20	DC	GG	SITE USE PERMIT SET										
	10/22/20	DC	GG	PER TOWN COMMENTS										
	12/15/20	DC	GG	PER TOWN COMMENTS										

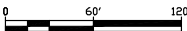
SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
ARCH D 24" X 36"

W-1.0
PRE-DEVELOPMENT PLAN



PRE-DEVELOPMENT PLAN

SCALE: 1" = 60'



LEGEND



SUBCATCHMENT LINE



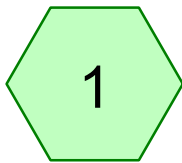
SUBCATCHMENT AREA



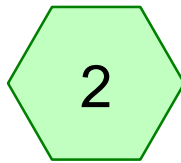
POINT OF ANALYSIS



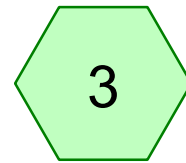
TC PATH



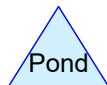
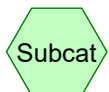
Subcat 1



Subcat 2



Subcat 3



Routing Diagram for Pre-Development_123020

Prepared by ARICO, Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Pre-Development_123020

Prepared by ARICO

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Printed 12/30/2020

Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.143	58	(3)
0.347	78	(3)
0.056	82	Dirt Road, HSG B (1)
0.018	82	Dirt Road, HSG D (1)
0.704	58	Meadow, non-grazed, HSG B (1, 2)
0.706	78	Meadow, non-grazed, HSG D (1)
0.151	98	Paved roads w/curbs & sewers, HSG B (1)
0.095	98	Roofs, HSG B (1)
0.490	55	Woods, Good, HSG B (1)
0.226	77	Woods, Good, HSG D (1)
2.936	70	TOTAL AREA

Pre-Development_123020

Prepared by ARICO

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Printed 12/30/2020

Page 3

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
1.496	HSG B	1, 2
0.000	HSG C	
0.950	HSG D	1
0.490	Other	3
2.936		TOTAL AREA

Pre-Development_123020

Prepared by ARICO

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 4

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.000	0.490	0.490		3
0.000	0.056	0.000	0.018	0.000	0.074	Dirt Road	1
0.000	0.704	0.000	0.706	0.000	1.410	Meadow, non-grazed	1, 2
0.000	0.151	0.000	0.000	0.000	0.151	Paved roads w/curbs & sewers	1
0.000	0.095	0.000	0.000	0.000	0.095	Roofs	1
0.000	0.490	0.000	0.226	0.000	0.716	Woods, Good	1
0.000	1.496	0.000	0.950	0.490	2.936	TOTAL AREA	

Summary for Subcatchment 1: Subcat 1

Runoff = 1.47 cfs @ 12.15 hrs, Volume= 0.102 af, Depth> 0.52"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 1-Year Rainfall=2.78"

Area (ac)	CN	Description
0.619	58	Meadow, non-grazed, HSG B
0.706	78	Meadow, non-grazed, HSG D
* 0.056	82	Dirt Road, HSG B
* 0.018	82	Dirt Road, HSG D
0.151	98	Paved roads w/curbs & sewers, HSG B
0.095	98	Roofs, HSG B
0.490	55	Woods, Good, HSG B
0.226	77	Woods, Good, HSG D
2.361	70	Weighted Average
2.115		89.58% Pervious Area
0.246		10.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.0	550	0.0550	8.87	17.73	Channel Flow, Grassed Swale Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030 Earth, grassed & winding
7.1	770	Total			

Summary for Subcatchment 2: Subcat 2

Runoff = 0.01 cfs @ 12.11 hrs, Volume= 0.001 af, Depth> 0.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 1-Year Rainfall=2.78"

Area (ac)	CN	Description
0.085	58	Meadow, non-grazed, HSG B
0.085		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Subcatchment 3: Subcat 3

Runoff = 0.44 cfs @ 12.10 hrs, Volume= 0.024 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 1-Year Rainfall=2.78"

Area (ac)	CN	Description
* 0.143	58	
* 0.347	78	
0.490	72	Weighted Average
0.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	175		1.00		Direct Entry,

Summary for Subcatchment 1: Subcat 1

Runoff = 5.97 cfs @ 12.15 hrs, Volume= 0.379 af, Depth> 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 10-Year Rainfall=5.13"

Area (ac)	CN	Description
0.619	58	Meadow, non-grazed, HSG B
0.706	78	Meadow, non-grazed, HSG D
* 0.056	82	Dirt Road, HSG B
* 0.018	82	Dirt Road, HSG D
0.151	98	Paved roads w/curbs & sewers, HSG B
0.095	98	Roofs, HSG B
0.490	55	Woods, Good, HSG B
0.226	77	Woods, Good, HSG D
2.361	70	Weighted Average
2.115		89.58% Pervious Area
0.246		10.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.0	550	0.0550	8.87	17.73	Channel Flow, Grassed Swale Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030 Earth, grassed & winding
7.1	770	Total			

Summary for Subcatchment 2: Subcat 2

Runoff = 0.14 cfs @ 12.08 hrs, Volume= 0.008 af, Depth> 1.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 10-Year Rainfall=5.13"

Area (ac)	CN	Description
0.085	58	Meadow, non-grazed, HSG B
0.085		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Subcatchment 3: Subcat 3

Runoff = 1.58 cfs @ 12.09 hrs, Volume= 0.085 af, Depth> 2.09"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 10-Year Rainfall=5.13"

	Area (ac)	CN	Description
*	0.143	58	
*	0.347	78	
	0.490	72	Weighted Average
	0.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	175		1.00		Direct Entry,

Summary for Subcatchment 1: Subcat 1

Runoff = 15.57 cfs @ 12.14 hrs, Volume= 1.011 af, Depth> 5.14"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 100-Year Rainfall=9.28"

Area (ac)	CN	Description
0.619	58	Meadow, non-grazed, HSG B
0.706	78	Meadow, non-grazed, HSG D
* 0.056	82	Dirt Road, HSG B
* 0.018	82	Dirt Road, HSG D
0.151	98	Paved roads w/curbs & sewers, HSG B
0.095	98	Roofs, HSG B
0.490	55	Woods, Good, HSG B
0.226	77	Woods, Good, HSG D
2.361	70	Weighted Average
2.115		89.58% Pervious Area
0.246		10.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
1.0	550	0.0550	8.87	17.73	Channel Flow, Grassed Swale Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030 Earth, grassed & winding
7.1	770	Total			

Summary for Subcatchment 2: Subcat 2

Runoff = 0.49 cfs @ 12.07 hrs, Volume= 0.026 af, Depth> 3.70"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 100-Year Rainfall=9.28"

Area (ac)	CN	Description
0.085	58	Meadow, non-grazed, HSG B
0.085		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Subcatchment 3: Subcat 3

Runoff = 3.92 cfs @ 12.09 hrs, Volume= 0.220 af, Depth> 5.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 100-Year Rainfall=9.28"

Area (ac)	CN	Description
* 0.143	58	
* 0.347	78	
0.490	72	Weighted Average
0.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
2.9	175		1.00		Direct Entry,

55 TECHNOLOGY DRIVE, SUITE 10
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

IT IS A VIOLATION OF LAW FOR ANY PERSON
TO ALTER ANY DOCUMENT WHICH BEARS THE
SEAL OF A PROFESSIONAL ENGINEER, UNLESS
THEY ARE ACTING UNDER THE DIRECTION OF
A LICENSED PROFESSIONAL ENGINEER.

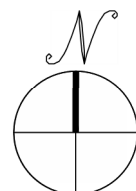
SITE USE PERMIT
3881 N HIGHLAND AVE
OSSINING, NY 10562

PROJECT NUMBER	908-1684
----------------	----------

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	10/16/20	DC	GG	SITE USE PERMIT SET
	10/22/20	DC	GG	PER TOWN COMMENTS
	12/15/20	DC	GG	PER TOWN COMMENTS

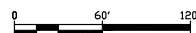
SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
ARCH D 24" X 36"

W-2.0
POST-DEVELOPMENT P



POST-DEVELOPMENT PLAN

SCALE: 1" = 60'



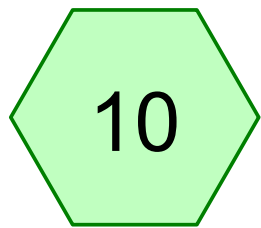
LEGEND

#

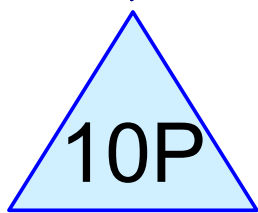
SUBCATCHMENT LINE

POINT OF ANALYSIS

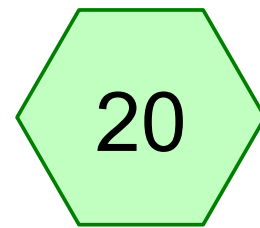
→ → TC PATH



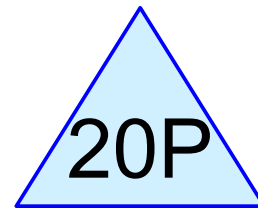
Subcat 10



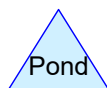
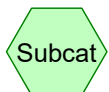
10P



Subcat 20



20P



Routing Diagram for Post-Development_122820_D

Prepared by HP, Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Post-Development_122820_D

Prepared by HP

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Printed 12/30/2020

Page 2

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.078	98	Conc. Pad, HSG D (10)
0.056	82	Dirt roads, HSG B (10)
0.017	89	Dirt roads, HSG D (10)
0.147	85	Gravel roads, HSG B (10, 20)
0.159	91	Gravel roads, HSG D (10)
0.167	30	Meadow, non-grazed, HSG A (10)
0.795	58	Meadow, non-grazed, HSG B (10)
0.647	78	Meadow, non-grazed, HSG D (10)
0.099	98	Paved parking, HSG B (10)
0.048	89	Stone Perimeter, HSG D (10)
0.096	98	Unconnected roofs, HSG B (10)
0.490	58	Woods/grass comb., Good, HSG B (10)
0.026	86	Woods/grass comb., Poor, HSG D (10)
2.825	69	TOTAL AREA

Post-Development_122820_D

Prepared by HP

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 3

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.167	HSG A	10
1.683	HSG B	10, 20
0.000	HSG C	
0.975	HSG D	10
0.000	Other	
2.825		TOTAL AREA

Post-Development_122820_D

Prepared by HP

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 4

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.078	0.000	0.078	Conc. Pad	10
0.000	0.056	0.000	0.017	0.000	0.073	Dirt roads	10
0.000	0.147	0.000	0.159	0.000	0.306	Gravel roads	10, 20
0.167	0.795	0.000	0.647	0.000	1.609	Meadow, non-grazed	10
0.000	0.099	0.000	0.000	0.000	0.099	Paved parking	10
0.000	0.000	0.000	0.048	0.000	0.048	Stone Perimeter	10
0.000	0.096	0.000	0.000	0.000	0.096	Unconnected roofs	10
0.000	0.490	0.000	0.000	0.000	0.490	Woods/grass comb., Good	10
0.000	0.000	0.000	0.026	0.000	0.026	Woods/grass comb., Poor	10
0.167	1.683	0.000	0.975	0.000	2.825	TOTAL AREA	

Summary for Subcatchment 10: Subcat 10

Runoff = 1.44 cfs @ 12.15 hrs, Volume= 0.102 af, Depth> 0.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 1-Year Rainfall=2.78"

Area (ac)	CN	Adj	Description
0.099	98		Paved parking, HSG B
0.062	85		Gravel roads, HSG B
0.056	82		Dirt roads, HSG B
0.490	58		Woods/grass comb., Good, HSG B
0.096	98		Unconnected roofs, HSG B
0.795	58		Meadow, non-grazed, HSG B
0.159	91		Gravel roads, HSG D
0.017	89		Dirt roads, HSG D
0.026	86		Woods/grass comb., Poor, HSG D
0.647	78		Meadow, non-grazed, HSG D
* 0.078	98		Conc. Pad, HSG D
* 0.048	89		Stone Perimeter, HSG D
0.167	30		Meadow, non-grazed, HSG A
2.740	69	68	Weighted Average, UI Adjusted
2.467			90.04% Pervious Area
0.273			9.96% Impervious Area
0.096			35.16% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.3	550	0.5500	28.03	56.07	Channel Flow, Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030
6.4	770	Total			

Summary for Subcatchment 20: Subcat 20

Runoff = 0.17 cfs @ 12.07 hrs, Volume= 0.009 af, Depth> 1.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 1-Year Rainfall=2.78"

Area (ac)	CN	Description
0.085	85	Gravel roads, HSG B
0.085		100.00% Pervious Area

Post-Development_122820_D

NRCC 24-hr C 1-Year Rainfall=2.78"

Prepared by HP

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 6

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Pond 10P: 10P

Inflow Area = 2.740 ac, 9.96% Impervious, Inflow Depth > 0.45" for 1-Year event
 Inflow = 1.44 cfs @ 12.15 hrs, Volume= 0.102 af
 Outflow = 0.30 cfs @ 12.76 hrs, Volume= 0.080 af, Atten= 79%, Lag= 36.4 min
 Primary = 0.12 cfs @ 12.76 hrs, Volume= 0.036 af
 Secondary = 0.18 cfs @ 12.76 hrs, Volume= 0.044 af
 Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 62.23' @ 12.76 hrs Surf.Area= 3,269 sf Storage= 1,377 cf

Plug-Flow detention time= 111.6 min calculated for 0.079 af (78% of inflow)
 Center-of-Mass det. time= 50.6 min (898.7 - 848.1)

Volume	Invert	Avail.Storage	Storage Description
#1	61.50'	12,740 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
61.50	990	0	0
62.00	2,052	761	761
63.00	7,302	4,677	5,438
64.00	7,302	7,302	12,740

Device	Routing	Invert	Outlet Devices
#1	Secondary	62.00'	12.0" Round Culvert L= 20.0' Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.00' S= 0.0500 '/' Cc= 0.900 n= 0.010, Flow Area= 0.79 sf
#2	Primary	62.00'	Custom Weir/Orifice, Cv= 2.62 (C= 3.28) Head (feet) 0.00 1.00 Width (feet) 0.33 0.33
#3	Secondary	63.50'	12.6' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#4	Tertiary	63.50'	6.0' long x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.12 cfs @ 12.76 hrs HW=62.23' (Free Discharge)

↑**2=Custom Weir/Orifice** (Weir Controls 0.12 cfs @ 1.58 fps)

Secondary OutFlow Max=0.18 cfs @ 12.76 hrs HW=62.23' (Free Discharge)

↑**1=Culvert** (Inlet Controls 0.18 cfs @ 1.29 fps)

↑**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=61.50' (Free Discharge)

↑**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Summary for Pond 20P: 20P

Inflow Area = 0.085 ac, 0.00% Impervious, Inflow Depth > 1.29" for 1-Year event
 Inflow = 0.17 cfs @ 12.07 hrs, Volume= 0.009 af
 Outflow = 0.16 cfs @ 12.09 hrs, Volume= 0.009 af, Atten= 6%, Lag= 1.6 min
 Primary = 0.16 cfs @ 12.09 hrs, Volume= 0.009 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 81.01' @ 12.09 hrs Surf.Area= 2,400 sf Storage= 16 cf

Plug-Flow detention time= 1.7 min calculated for 0.009 af (100% of inflow)
 Center-of-Mass det. time= 1.4 min (795.1 - 793.7)

Volume	Invert	Avail.Storage	Storage Description
#1	81.00'	3,600 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
81.00	2,400	0	0
81.50	2,400	1,200	1,200
82.00	2,400	1,200	2,400
82.50	2,400	1,200	3,600

Device	Routing	Invert	Outlet Devices
#1	Primary	80.00'	4.0" Round 75.00 L= 40.0' Ke= 0.600 Inlet / Outlet Invert= 80.00' / 75.00' S= 0.1250 ' S Cc= 0.900 n= 0.010, Flow Area= 0.09 sf

Primary OutFlow Max=0.36 cfs @ 12.09 hrs HW=81.01' (Free Discharge)

↑**1=75.00** (Inlet Controls 0.36 cfs @ 4.14 fps)

Summary for Subcatchment 10: Subcat 10

Runoff = 6.52 cfs @ 12.14 hrs, Volume= 0.405 af, Depth> 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 10-Year Rainfall=5.13"

Area (ac)	CN	Adj	Description
0.099	98		Paved parking, HSG B
0.062	85		Gravel roads, HSG B
0.056	82		Dirt roads, HSG B
0.490	58		Woods/grass comb., Good, HSG B
0.096	98		Unconnected roofs, HSG B
0.795	58		Meadow, non-grazed, HSG B
0.159	91		Gravel roads, HSG D
0.017	89		Dirt roads, HSG D
0.026	86		Woods/grass comb., Poor, HSG D
0.647	78		Meadow, non-grazed, HSG D
* 0.078	98		Conc. Pad, HSG D
* 0.048	89		Stone Perimeter, HSG D
0.167	30		Meadow, non-grazed, HSG A
2.740	69	68	Weighted Average, UI Adjusted
2.467			90.04% Pervious Area
0.273			9.96% Impervious Area
0.096			35.16% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.3	550	0.5500	28.03	56.07	Channel Flow, Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030
6.4	770	Total			

Summary for Subcatchment 20: Subcat 20

Runoff = 0.41 cfs @ 12.06 hrs, Volume= 0.023 af, Depth> 3.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 10-Year Rainfall=5.13"

Area (ac)	CN	Description
0.085	85	Gravel roads, HSG B
0.085		100.00% Pervious Area

Post-Development_122820_D

NRCC 24-hr C 10-Year Rainfall=5.13"

Prepared by HP

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 9

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Pond 10P: 10P

Inflow Area = 2.740 ac, 9.96% Impervious, Inflow Depth > 1.78" for 10-Year event
 Inflow = 6.52 cfs @ 12.14 hrs, Volume= 0.405 af
 Outflow = 2.78 cfs @ 12.29 hrs, Volume= 0.379 af, Atten= 57%, Lag= 8.8 min
 Primary = 0.91 cfs @ 12.29 hrs, Volume= 0.136 af
 Secondary = 1.87 cfs @ 12.29 hrs, Volume= 0.243 af
 Tertiary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 62.89' @ 12.29 hrs Surf.Area= 6,727 sf Storage= 4,669 cf

Plug-Flow detention time= 48.5 min calculated for 0.379 af (93% of inflow)
 Center-of-Mass det. time= 25.7 min (839.1 - 813.4)

Volume	Invert	Avail.Storage	Storage Description
#1	61.50'	12,740 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
61.50	990	0	0
62.00	2,052	761	761
63.00	7,302	4,677	5,438
64.00	7,302	7,302	12,740

Device	Routing	Invert	Outlet Devices
#1	Secondary	62.00'	12.0" Round Culvert L= 20.0' Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.00' S= 0.0500 '/' Cc= 0.900 n= 0.010, Flow Area= 0.79 sf
#2	Primary	62.00'	Custom Weir/Orifice, Cv= 2.62 (C= 3.28) Head (feet) 0.00 1.00 Width (feet) 0.33 0.33
#3	Secondary	63.50'	12.6' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#4	Tertiary	63.50'	6.0' long x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=0.91 cfs @ 12.29 hrs HW=62.89' (Free Discharge)

↑**2=Custom Weir/Orifice** (Weir Controls 0.91 cfs @ 3.09 fps)

Secondary OutFlow Max=1.87 cfs @ 12.29 hrs HW=62.89' (Free Discharge)

↑**1=Culvert** (Inlet Controls 1.87 cfs @ 2.53 fps)

↑**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Tertiary OutFlow Max=0.00 cfs @ 5.00 hrs HW=61.50' (Free Discharge)

↑**4=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Summary for Pond 20P: 20P

Inflow Area = 0.085 ac, 0.00% Impervious, Inflow Depth > 3.24" for 10-Year event
 Inflow = 0.41 cfs @ 12.06 hrs, Volume= 0.023 af
 Outflow = 0.37 cfs @ 12.09 hrs, Volume= 0.023 af, Atten= 10%, Lag= 1.6 min
 Primary = 0.37 cfs @ 12.09 hrs, Volume= 0.023 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 81.02' @ 12.09 hrs Surf.Area= 2,400 sf Storage= 39 cf

Plug-Flow detention time= 1.7 min calculated for 0.023 af (100% of inflow)
 Center-of-Mass det. time= 1.4 min (771.7 - 770.3)

Volume	Invert	Avail.Storage	Storage Description
#1	81.00'	3,600 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
81.00	2,400	0	0
81.50	2,400	1,200	1,200
82.00	2,400	1,200	2,400
82.50	2,400	1,200	3,600

Device	Routing	Invert	Outlet Devices
#1	Primary	80.00'	4.0" Round 75.00 L= 40.0' Ke= 0.600 Inlet / Outlet Invert= 80.00' / 75.00' S= 0.1250 ' S Cc= 0.900 n= 0.010, Flow Area= 0.09 sf

Primary OutFlow Max=0.36 cfs @ 12.09 hrs HW=81.02' (Free Discharge)

↑**1=75.00** (Inlet Controls 0.36 cfs @ 4.16 fps)

Summary for Subcatchment 10: Subcat 10

Runoff = 17.66 cfs @ 12.14 hrs, Volume= 1.118 af, Depth> 4.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 100-Year Rainfall=9.28"

Area (ac)	CN	Adj	Description
0.099	98		Paved parking, HSG B
0.062	85		Gravel roads, HSG B
0.056	82		Dirt roads, HSG B
0.490	58		Woods/grass comb., Good, HSG B
0.096	98		Unconnected roofs, HSG B
0.795	58		Meadow, non-grazed, HSG B
0.159	91		Gravel roads, HSG D
0.017	89		Dirt roads, HSG D
0.026	86		Woods/grass comb., Poor, HSG D
0.647	78		Meadow, non-grazed, HSG D
* 0.078	98		Conc. Pad, HSG D
* 0.048	89		Stone Perimeter, HSG D
0.167	30		Meadow, non-grazed, HSG A
2.740	69	68	Weighted Average, UI Adjusted
2.467			90.04% Pervious Area
0.273			9.96% Impervious Area
0.096			35.16% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
5.0	60	0.0500	0.20		Sheet Flow, Grass: Short n= 0.150 P2= 2.60"
1.1	160	0.1190	2.41		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
0.3	550	0.5500	28.03	56.07	Channel Flow, Area= 2.0 sf Perim= 3.0' r= 0.67' n= 0.030
6.4	770	Total			

Summary for Subcatchment 20: Subcat 20

Runoff = 0.83 cfs @ 12.06 hrs, Volume= 0.049 af, Depth> 6.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NRCC 24-hr C 100-Year Rainfall=9.28"

Area (ac)	CN	Description
0.085	85	Gravel roads, HSG B
0.085		100.00% Pervious Area

Post-Development_122820_D

NRCC 24-hr C 100-Year Rainfall=9.28"

Prepared by HP

Printed 12/30/2020

HydroCAD® 10.00-26 s/n 10839 © 2020 HydroCAD Software Solutions LLC

Page 12

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.0	10		0.17		Direct Entry,

Summary for Pond 10P: 10P

Inflow Area = 2.740 ac, 9.96% Impervious, Inflow Depth > 4.90" for 100-Year event
 Inflow = 17.66 cfs @ 12.14 hrs, Volume= 1.118 af
 Outflow = 12.32 cfs @ 12.22 hrs, Volume= 1.085 af, Atten= 30%, Lag= 4.8 min
 Primary = 1.82 cfs @ 12.22 hrs, Volume= 0.346 af
 Secondary = 8.46 cfs @ 12.22 hrs, Volume= 0.711 af
 Tertiary = 2.04 cfs @ 12.22 hrs, Volume= 0.027 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Peak Elev= 63.77' @ 12.22 hrs Surf.Area= 7,302 sf Storage= 11,089 cf

Plug-Flow detention time= 34.9 min calculated for 1.081 af (97% of inflow)
 Center-of-Mass det. time= 23.6 min (812.6 - 789.0)

Volume	Invert	Avail.Storage	Storage Description
#1	61.50'	12,740 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
61.50	990	0	0
62.00	2,052	761	761
63.00	7,302	4,677	5,438
64.00	7,302	7,302	12,740

Device	Routing	Invert	Outlet Devices
#1	Secondary	62.00'	12.0" Round Culvert L= 20.0' Ke= 0.900 Inlet / Outlet Invert= 62.00' / 61.00' S= 0.0500 ' / ' Cc= 0.900 n= 0.010, Flow Area= 0.79 sf
#2	Primary	62.00'	Custom Weir/Orifice, Cv= 2.62 (C= 3.28) Head (feet) 0.00 1.00 Width (feet) 0.33 0.33
#3	Secondary	63.50'	12.6' long x 0.5' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 Coef. (English) 2.80 2.92 3.08 3.30 3.32
#4	Tertiary	63.50'	6.0' long x 5.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.34 2.50 2.70 2.68 2.68 2.66 2.65 2.65 2.65 2.65 2.67 2.66 2.68 2.70 2.74 2.79 2.88

Primary OutFlow Max=1.81 cfs @ 12.22 hrs HW=63.76' (Free Discharge)

↑**2=Custom Weir/Orifice** (Orifice Controls 1.81 cfs @ 5.47 fps)

Secondary OutFlow Max=8.02 cfs @ 12.22 hrs HW=63.76' (Free Discharge)

↑**1=Culvert** (Inlet Controls 3.35 cfs @ 4.26 fps)

↑**3=Broad-Crested Rectangular Weir** (Weir Controls 4.67 cfs @ 1.44 fps)

Tertiary OutFlow Max=1.87 cfs @ 12.22 hrs HW=63.76' (Free Discharge)

↑**4=Broad-Crested Rectangular Weir** (Weir Controls 1.87 cfs @ 1.21 fps)

Summary for Pond 20P: 20P

Inflow Area = 0.085 ac, 0.00% Impervious, Inflow Depth > 6.94" for 100-Year event
 Inflow = 0.83 cfs @ 12.06 hrs, Volume= 0.049 af
 Outflow = 0.38 cfs @ 12.15 hrs, Volume= 0.049 af, Atten= 54%, Lag= 5.4 min
 Primary = 0.38 cfs @ 12.15 hrs, Volume= 0.049 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Peak Elev= 81.09' @ 12.15 hrs Surf.Area= 2,400 sf Storage= 213 cf

Plug-Flow detention time= 3.0 min calculated for 0.049 af (100% of inflow)

Center-of-Mass det. time= 2.7 min (755.3 - 752.7)

Volume	Invert	Avail.Storage	Storage Description
#1	81.00'	3,600 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
81.00	2,400	0	0
81.50	2,400	1,200	1,200
82.00	2,400	1,200	2,400
82.50	2,400	1,200	3,600

Device	Routing	Invert	Outlet Devices
#1	Primary	80.00'	4.0" Round 75.00 L= 40.0' Ke= 0.600 Inlet / Outlet Invert= 80.00' / 75.00' S= 0.1250 ' S Cc= 0.900 n= 0.010, Flow Area= 0.09 sf

Primary OutFlow Max=0.38 cfs @ 12.15 hrs HW=81.09' (Free Discharge)

↑**1=75.00** (Inlet Controls 0.38 cfs @ 4.33 fps)

Appendix L

Soil Data and Phase I ESA



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Westchester County, New York**



September 14, 2020

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Preface	2
How Soil Surveys Are Made	5
Soil Map	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Westchester County, New York.....	14
ChC—Charlton fine sandy loam, 8 to 15 percent slopes.....	14
ChE—Charlton loam, 25 to 35 percent slopes.....	15
CrC—Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky.....	17
CsD—Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky.....	19
CuD—Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes.....	21
HrF—Hollis-Rock outcrop complex, 35 to 60 percent slopes.....	24
NdA—Natchaug and Catden mucks, ponded, 0 to 2 percent slopes.....	26
RhE—Riverhead loam, 25 to 50 percent slopes.....	29
SuB—Sutton loam, 3 to 8 percent slopes.....	30
Ub—Udorthents, smoothed.....	32
W—Water.....	33
References	34

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Westchester County, New York
Survey Area Data: Version 16, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 26, 2011—Oct 17, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ChC	Charlton fine sandy loam, 8 to 15 percent slopes	0.7	2.1%
ChE	Charlton loam, 25 to 35 percent slopes	4.5	13.6%
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	9.5	28.9%
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky	3.9	12.0%
CuD	Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes	0.2	0.6%
HrF	Hollis-Rock outcrop complex, 35 to 60 percent slopes	0.4	1.2%
NdA	Natchaug and Catden mucks, ponded, 0 to 2 percent slopes	0.2	0.6%
RhE	Riverhead loam, 25 to 50 percent slopes	7.0	21.2%
SuB	Sutton loam, 3 to 8 percent slopes	2.7	8.1%
Ub	Udorthents, smoothed	3.8	11.6%
W	Water	0.0	0.1%
Totals for Area of Interest		32.9	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion

Custom Soil Resource Report

of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Westchester County, New York

ChC—Charlton fine sandy loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2wh0q

Elevation: 0 to 1,440 feet

Mean annual precipitation: 36 to 71 inches

Mean annual air temperature: 39 to 55 degrees F

Frost-free period: 140 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Charlton and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Ground moraines, ridges, hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Ap - 0 to 7 inches: fine sandy loam

Bw - 7 to 22 inches: gravelly fine sandy loam

C - 22 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 8 to 15 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.14 to 14.17 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)

Available water capacity: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: F144AY034CT - Well Drained Till Uplands

Hydric soil rating: No

Minor Components

Paxton

Percent of map unit: 5 percent
Landform: Drumlins, hills, ground moraines
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Hydric soil rating: No

Sutton, fine sandy loam

Percent of map unit: 5 percent
Landform: Hills, ridges, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Chatfield

Percent of map unit: 3 percent
Landform: Hills, ridges
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope, nose slope
Down-slope shape: Convex
Across-slope shape: Convex, linear
Hydric soil rating: No

Canton

Percent of map unit: 2 percent
Landform: Hills, ground moraines, ridges
Landform position (two-dimensional): Shoulder, backslope, summit
Landform position (three-dimensional): Side slope, nose slope, crest
Down-slope shape: Linear, convex
Across-slope shape: Convex
Hydric soil rating: No

ChE—Charlton loam, 25 to 35 percent slopes

Map Unit Setting

National map unit symbol: bd87
Elevation: 0 to 1,100 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Charlton and similar soils: 80 percent

Custom Soil Resource Report

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton

Setting

Landform: Hills, ridges, till plains

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Acid loamy till derived mainly from schist, gneiss, or granite

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 24 inches: sandy loam

H3 - 24 to 60 inches: sandy loam

Properties and qualities

Slope: 25 to 35 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

*Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 5.95 in/hr)*

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Ecological site: F144AY034CT - Well Drained Till Uplands

Hydric soil rating: No

Minor Components

Paxton

Percent of map unit: 5 percent

Hydric soil rating: No

Chatfield

Percent of map unit: 5 percent

Hydric soil rating: No

Charlton, very stony

Percent of map unit: 3 percent

Hydric soil rating: No

Sutton

Percent of map unit: 2 percent

Hydric soil rating: No

Knickerbocker

Percent of map unit: 2 percent

Hydric soil rating: No

Riverhead

Percent of map unit: 2 percent

Hydric soil rating: No

Hollis

Percent of map unit: 1 percent

Hydric soil rating: No

CrC—Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky

Map Unit Setting

National map unit symbol: 2w698

Elevation: 0 to 1,550 feet

Mean annual precipitation: 36 to 71 inches

Mean annual air temperature: 39 to 55 degrees F

Frost-free period: 140 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Charlton, very stony, and similar soils: 50 percent

Chatfield, very stony, and similar soils: 30 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Charlton, Very Stony

Setting

Landform: Hills, ridges

Landform position (two-dimensional): Backslope, shoulder, summit

Landform position (three-dimensional): Crest, side slope, nose slope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material

A - 2 to 4 inches: fine sandy loam

Bw - 4 to 27 inches: gravelly fine sandy loam

C - 27 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 3 to 15 percent

Surface area covered with cobbles, stones or boulders: 1.6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

*Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.14 to 14.17 in/hr)*

Depth to water table: More than 80 inches

Custom Soil Resource Report

Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Description of Chatfield, Very Stony

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope, nose slope
Down-slope shape: Convex
Across-slope shape: Linear, convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 2 inches: fine sandy loam
Bw - 2 to 30 inches: gravelly fine sandy loam
2R - 30 to 40 inches: bedrock

Properties and qualities

Slope: 3 to 15 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: 20 to 41 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent
Hydric soil rating: No

Sutton, very stony

Percent of map unit: 5 percent

Custom Soil Resource Report

Landform: Ground moraines, hills
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Hollis, very stony

Percent of map unit: 5 percent
Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope, nose slope
Down-slope shape: Convex
Across-slope shape: Linear, convex
Hydric soil rating: No

Leicester, very stony

Percent of map unit: 5 percent
Landform: Drainageways, depressions
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

CsD—Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky

Map Unit Setting

National map unit symbol: 2w69k
Elevation: 0 to 1,290 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 140 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Chatfield, very stony, and similar soils: 45 percent
Charlton, very stony, and similar soils: 35 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chatfield, Very Stony

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope, nose slope
Down-slope shape: Convex
Across-slope shape: Linear, convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Custom Soil Resource Report

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 2 inches: fine sandy loam
Bw - 2 to 30 inches: gravelly fine sandy loam
2R - 30 to 40 inches: bedrock

Properties and qualities

Slope: 15 to 35 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: 20 to 41 inches to lithic bedrock
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: F144AY034CT - Well Drained Till Uplands
Hydric soil rating: No

Description of Charlton, Very Stony

Setting

Landform: Hills, ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material
A - 2 to 4 inches: fine sandy loam
Bw - 4 to 27 inches: gravelly fine sandy loam
C - 27 to 65 inches: gravelly fine sandy loam

Properties and qualities

Slope: 15 to 35 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 14.17 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)

Custom Soil Resource Report

Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: F144AY034CT - Well Drained Till Uplands

Hydric soil rating: No

Minor Components

Leicester, very stony

Percent of map unit: 6 percent

Landform: Hills, ground moraines, depressions, drainageways

Landform position (two-dimensional): Toeslope, footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave, linear

Across-slope shape: Concave

Hydric soil rating: Yes

Hollis, very stony

Percent of map unit: 5 percent

Landform: Hills, ridges

Landform position (two-dimensional): Backslope, shoulder, summit

Landform position (three-dimensional): Crest, side slope, nose slope

Down-slope shape: Convex

Across-slope shape: Convex, linear

Hydric soil rating: No

Rock outcrop

Percent of map unit: 5 percent

Landform: Ridges, hills

Hydric soil rating: No

Sutton, very stony

Percent of map unit: 4 percent

Landform: Hills, ground moraines

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: No

CuD—Chatfield-Hollis-Rock outcrop complex, 15 to 35 percent slopes

Map Unit Setting

National map unit symbol: 2w69h

Elevation: 0 to 1,540 feet

Mean annual precipitation: 36 to 71 inches

Mean annual air temperature: 39 to 55 degrees F

Custom Soil Resource Report

Frost-free period: 140 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Chatfield, extremely stony, and similar soils: 35 percent

Hollis, extremely stony, and similar soils: 30 percent

Rock outcrop: 20 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Chatfield, Extremely Stony

Setting

Landform: Hills, ridges

Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Crest, side slope, nose slope

Down-slope shape: Convex

Across-slope shape: Convex, linear

Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material

A - 1 to 2 inches: fine sandy loam

Bw - 2 to 30 inches: gravelly fine sandy loam

2R - 30 to 40 inches: bedrock

Properties and qualities

Slope: 15 to 35 percent

Surface area covered with cobbles, stones or boulders: 9.0 percent

Depth to restrictive feature: 20 to 41 inches to lithic bedrock

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)

Available water capacity: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: F144AY034CT - Well Drained Till Uplands

Hydric soil rating: No

Description of Hollis, Extremely Stony

Setting

Landform: Hills, ridges

Landform position (two-dimensional): Backslope, shoulder, summit

Landform position (three-dimensional): Side slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear, convex

Custom Soil Resource Report

Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material
A - 2 to 7 inches: gravelly fine sandy loam
Bw - 7 to 16 inches: gravelly fine sandy loam
2R - 16 to 26 inches: bedrock

Properties and qualities

Slope: 15 to 35 percent
Surface area covered with cobbles, stones or boulders: 9.0 percent
Depth to restrictive feature: 8 to 23 inches to lithic bedrock
Drainage class: Somewhat excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: F144AY033MA - Shallow Dry Till Uplands
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills, ridges
Parent material: Igneous and metamorphic rock

Typical profile

R - 0 to 79 inches: bedrock

Properties and qualities

Slope: 15 to 35 percent
Depth to restrictive feature: 0 inches to lithic bedrock
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Available water capacity: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Charlton, extremely stony

Percent of map unit: 7 percent
Landform: Hills, ridges

Custom Soil Resource Report

Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Convex
Hydric soil rating: No

Leicester, extremely stony

Percent of map unit: 4 percent
Landform: Ground moraines, depressions, drainageways, hills
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave, linear
Across-slope shape: Concave
Hydric soil rating: Yes

Sutton, extremely stony

Percent of map unit: 2 percent
Landform: Hills, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Paxton, extremely stony

Percent of map unit: 2 percent
Landform: Ground moraines, drumlins, hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Hydric soil rating: No

HrF—Hollis-Rock outcrop complex, 35 to 60 percent slopes

Map Unit Setting

National map unit symbol: 2w69q
Elevation: 0 to 1,540 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 145 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Hollis, very stony, and similar soils: 60 percent
Rock outcrop: 20 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hollis, Very Stony

Setting

Landform: Hills, ridges

Landform position (two-dimensional): Shoulder, summit, backslope

Landform position (three-dimensional): Nose slope, crest, side slope

Down-slope shape: Convex

Across-slope shape: Linear, convex

Parent material: Coarse-loamy melt-out till derived from granite, gneiss, and/or schist

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material

A - 2 to 7 inches: gravelly fine sandy loam

Bw - 7 to 16 inches: gravelly fine sandy loam

2R - 16 to 26 inches: bedrock

Properties and qualities

Slope: 35 to 60 percent

Surface area covered with cobbles, stones or boulders: 1.6 percent

Depth to restrictive feature: 8 to 23 inches to lithic bedrock

Drainage class: Somewhat excessively drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)

Available water capacity: Very low (about 2.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: F144AY033MA - Shallow Dry Till Uplands

Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills, ridges

Parent material: Igneous and metamorphic rock

Typical profile

R - 0 to 79 inches: bedrock

Properties and qualities

Slope: 35 to 60 percent

Depth to restrictive feature: 0 inches to lithic bedrock

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)

Available water capacity: Very low (about 0.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 8

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Chatfield, very stony

Percent of map unit: 10 percent

Landform: Hills, ridges

Landform position (two-dimensional): Backslope, shoulder, summit

Landform position (three-dimensional): Crest, side slope, nose slope

Down-slope shape: Convex

Across-slope shape: Linear, convex

Hydric soil rating: No

Charlton, very stony

Percent of map unit: 5 percent

Landform: Ridges, hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Linear, convex

Across-slope shape: Convex

Hydric soil rating: No

Leicester, very stony

Percent of map unit: 4 percent

Landform: Depressions, drainageways, hills, ground moraines

Landform position (two-dimensional): Toeslope, footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Linear, concave

Across-slope shape: Concave

Hydric soil rating: Yes

Sutton, very stony

Percent of map unit: 1 percent

Landform: Hills, ground moraines

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: No

NdA—Natchaug and Catden mucks, ponded, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2w672

Elevation: 0 to 1,100 feet

Mean annual precipitation: 36 to 71 inches

Mean annual air temperature: 39 to 55 degrees F

Frost-free period: 140 to 240 days

Custom Soil Resource Report

Farmland classification: Not prime farmland

Map Unit Composition

Natchaug and similar soils: 45 percent

Catden and similar soils: 40 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Natchaug

Setting

Landform: Depressions, depressions, depressions

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Highly decomposed organic material over loamy glaciofluvial deposits and/or loamy glaciolacustrine deposits and/or loamy till

Typical profile

Oa1 - 0 to 12 inches: muck

Oa2 - 12 to 31 inches: muck

2Cg1 - 31 to 39 inches: silt loam

2Cg2 - 39 to 79 inches: fine sandy loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Very poorly drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.01 to 14.17 in/hr)

Depth to water table: About 0 to 6 inches

Frequency of flooding: None

Frequency of ponding: Frequent

Calcium carbonate, maximum content: 25 percent

Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)

Available water capacity: Very high (about 17.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8w

Hydrologic Soil Group: B/D

Ecological site: F144AY042NY - Semi-Rich Organic Wetlands

Hydric soil rating: Yes

Description of Catden

Setting

Landform: Depressions, depressions, depressions

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Highly decomposed herbaceous organic material and/or highly decomposed woody organic material

Typical profile

Oa1 - 0 to 2 inches: muck

Oa2 - 2 to 79 inches: muck

Properties and qualities

Slope: 0 to 2 percent
Surface area covered with cobbles, stones or boulders: 0.0 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.14 to 14.17 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Maximum salinity: Nonsaline (0.0 to 1.9 mmhos/cm)
Available water capacity: Very high (about 26.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8w
Hydrologic Soil Group: B/D
Ecological site: F144AY042NY - Semi-Rich Organic Wetlands
Hydric soil rating: Yes

Minor Components

Fredon

Percent of map unit: 5 percent
Landform: Depressions
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Sun

Percent of map unit: 5 percent
Landform: Depressions
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Fluvaquents

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Concave
Hydric soil rating: Yes

Udifluvents

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

RhE—Riverhead loam, 25 to 50 percent slopes

Map Unit Setting

National map unit symbol: bd9k
Elevation: 0 to 950 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Riverhead and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Riverhead

Setting

Landform: Terraces, deltas
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy glaciofluvial deposits overlying stratified sand and gravel

Typical profile

H1 - 0 to 6 inches: loam
H2 - 6 to 25 inches: sandy loam
H3 - 25 to 30 inches: loamy sand
H4 - 30 to 60 inches: loamy sand

Properties and qualities

Slope: 25 to 50 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Pompton

Percent of map unit: 5 percent
Hydric soil rating: No

Charlton

Percent of map unit: 4 percent
Hydric soil rating: No

Hinckley

Percent of map unit: 3 percent
Hydric soil rating: No

Knickerbocker

Percent of map unit: 3 percent
Hydric soil rating: No

SuB—Sutton loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2xftp
Elevation: 10 to 1,250 feet
Mean annual precipitation: 36 to 71 inches
Mean annual air temperature: 39 to 55 degrees F
Frost-free period: 145 to 240 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Sutton, loam, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Sutton, Loam

Setting

Landform: Hills, ridges, ground moraines
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Coarse-loamy melt-out till derived from gneiss, granite, and/or schist

Typical profile

Ap - 0 to 9 inches: loam
Bw1 - 9 to 17 inches: fine sandy loam
Bw2 - 17 to 30 inches: sandy loam
C1 - 30 to 39 inches: sandy loam
C2 - 39 to 60 inches: sandy loam

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.14 to 14.17 in/hr)
Depth to water table: About 12 to 27 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B/D
Ecological site: F144AY008CT - Moist Till Uplands
Hydric soil rating: No

Minor Components

Charlton

Percent of map unit: 10 percent
Landform: Ridges, ground moraines, hills
Landform position (two-dimensional): Backslope, shoulder, summit
Landform position (three-dimensional): Crest, side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

Leicester, loam

Percent of map unit: 5 percent
Landform: Depressions, drainageways, hills, ground moraines
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Linear, concave
Across-slope shape: Concave
Hydric soil rating: Yes

Woodbridge, loam

Percent of map unit: 5 percent
Landform: Drumlins, hills, ground moraines
Landform position (two-dimensional): Footslope, summit, backslope
Landform position (three-dimensional): Crest, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Ub—Udorthents, smoothed

Map Unit Setting

National map unit symbol: bd7f
Elevation: 0 to 2,400 feet
Mean annual precipitation: 46 to 50 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 115 to 215 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents, smoothed, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents, Smoothed

Typical profile

H1 - 0 to 4 inches: gravelly loam
H2 - 4 to 70 inches: very gravelly loam

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: 40 to 60 inches to lithic bedrock
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.06 to 5.95 in/hr)
Depth to water table: About 18 to 48 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: Low (about 4.6 inches)

Minor Components

Urban land

Percent of map unit: 5 percent
Hydric soil rating: Unranked

Udorthents, wet substratum

Percent of map unit: 5 percent
Hydric soil rating: No

Leicester

Percent of map unit: 2 percent
Hydric soil rating: No

Hollis

Percent of map unit: 2 percent
Hydric soil rating: No

Custom Soil Resource Report

Charlton

Percent of map unit: 2 percent

Hydric soil rating: No

Riverhead

Percent of map unit: 2 percent

Hydric soil rating: No

Sun

Percent of map unit: 2 percent

Landform: Depressions

Hydric soil rating: Yes

W—Water

Map Unit Setting

National map unit symbol: bd7z

Mean annual precipitation: 46 to 50 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 115 to 215 days

Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelpdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Phase I Environmental Site Assessment

Proposed Battery Storage Project

381 N. Highland Avenue
Ossining, New York 10562

EBI Project No. 1120001957

April 27, 2020



Prepared for:

PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110

Prepared by:



April 27, 2020

Mr. Josh Koppell
PV Engineers, P.C.
30 Century Hill Drive, Suite 301
Latham, NY 12110

Subject: Phase I Environmental Site Assessment
Proposed Battery Storage Project
381 N. Highland Avenue, Ossining New York
EBI Project No. 1120001957

Dear Mr. Koppell:

Attached please find our *Phase I Environmental Site Assessment* (the report) for the above-mentioned asset (the Subject Property). During the survey and research, our surveyor spoke with agents representing the Subject Property, or agents of the owner, and reviewed the Subject Property and its history. The report was completed according to the terms and conditions authorized by you, the Client. This report has been completed in conformance with the ASTM Standard E 1527-13 and PV Engineers, P.C. Scope of Work.

The purpose of this report is to assist PV Engineers, P.C. in its underwriting of ownership or investment in a Battery Storage System (the "System") to be located on the Subject Property described herein.

This report is addressed to PV Engineers, P.C. and their successors and assigns.

Reliance on the report and the information contained herein shall mean (i) the report may be relied upon by PV Engineers, P.C., in determining whether to acquire or invest in the System, which is located on the Subject Property; (ii) the report may be relied upon by any investor in determining whether to acquire or invest in the System from or PV Engineers, P.C., or acquire or invest in an interest in PV Engineers, P.C.; (iii) the report may be referred to in and included, in whole or in part, with materials offering for sale of the System or an interest in PV Engineers, P.C.; (iv) the report speaks only as of its date in the absence of a specific written update of the report signed and delivered by EBI Consulting.

There are no intended or unintended third party beneficiaries to this report, except as expressly stated herein.

EBI is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the report or on the closing of any business transaction.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess 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.

Thank you very much for the opportunity to provide environmental consulting services to PV Engineers, P.C.. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,
EBI CONSULTING



Linda Bajraktari
Project Scientist



Jon Hickey
Program Manager
jhickey@ebiconsulting.com
(917) 804-5470

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
1.0 INTRODUCTION.....	2
1.1 Purpose.....	2
1.2 Scope-of-Services.....	2
1.3 Assumptions, Limitations and Exceptions.....	2
1.4 Special Terms and Conditions.....	4
1.5 Data Gaps.....	4
2.0 SUBJECT PROPERTY DESCRIPTION.....	5
2.1 Ownership and Location.....	5
2.2 Subject Property Improvements.....	5
2.3 Current Use of the Subject Property.....	5
2.4 Municipal Services & Utilities.....	5
2.5 Adjoining Properties.....	5
2.6 Physical Setting.....	6
2.6.1 Topography.....	6
2.6.2 Geology and Soils.....	6
2.6.3 Hydrogeology and Hydrology.....	6
3.0 USER PROVIDED INFORMATION.....	7
3.1 Title Records.....	7
3.2 Environmental Liens and Activity and Use Limitations.....	7
3.3 Specialized Knowledge.....	7
3.4 Commonly Known or Reasonably Ascertainable Information.....	7
3.5 Valuation Reduction for Environmental Issues.....	7
3.6 Owner, Property Manager, and Occupant Information.....	7
3.7 Reason for Performing Phase I ESA.....	7
4.0 RECORDS REVIEW	8
4.1 Standard Environmental Records.....	8
4.1.1 Federal, State and Tribal Agency Database Records.....	9
4.1.2 Local Regulatory Agency Records.....	13
4.1.3 Vapor Migration.....	14
4.2 Historical Use of the Subject Property and Adjoining Properties.....	14
4.2.1 Aerial Photographs and Maps.....	14
4.2.2 Street Directories.....	16
4.2.3 Recorded Land Title Records.....	17
4.2.4 Property Tax Records.....	17
4.2.5 Environmental Liens and Activity and Use Limitations.....	17
4.2.6 Previous Environmental Reports.....	17
4.2.7 Other Historical Records and Interviews.....	17
5.0 SUBJECT PROPERTY RECONNAISSANCE.....	18
5.1 Methodology and Limiting Conditions.....	18
5.2 Hazardous Substances and Petroleum Products.....	18

5.2.1 Hazardous Substances and Petroleum Products (Identified Uses).....	18
5.2.2 Hazardous Substances and Petroleum Products (Unidentified Uses).....	18
5.2.3 Unidentified Substances Containers.....	18
5.3 Waste Generation, Storage, and Disposal.....	18
5.4 Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs).....	18
5.4.1 Existing Storage Tanks.....	18
5.4.2 Former Storage Tanks.....	18
5.5 Oil-Containing Equipment and Polychlorinated Biphenyls (PCBs).....	19
5.6 Additional Site Conditions.....	19
6.0 INTERVIEWS.....	20
7.0 CONSIDERATIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-13.....	21
7.1 Asbestos-Containing Material (ACM).....	21
7.2 Radon.....	21
7.3 Lead-Based Paint (LBP).....	21
7.4 Lead in Drinking Water.....	21
8.0 FINDINGS AND OPINIONS.....	23
9.0 RECOMMENDATIONS.....	24
10.0 REFERENCES.....	25

Appendix A Photographs

Appendix B Figures

Appendix C Pre-Survey Questionnaire and Other Relevant Documentation

Appendix D Professional Qualifications

Appendix E Regulatory Database Report

Appendix F Historical Documentation

Appendix G Analytical Results

Appendix H Portions of Previous Reports

Appendix I Terminology

EXECUTIVE SUMMARY

At the request of PV Engineers, P.C., EBI has performed a Phase I Environmental Site Assessment (ESA) of the property located at 381 N. Highland Avenue in Ossining, New York, herein referred to as the Subject Property. The main objective of this ESA was to identify *recognized environmental conditions* in connection with the Subject Property, defined in ASTM Practice E 1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment, or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. This ESA also includes a preliminary evaluation of certain potential environmental conditions that are outside the scope of ASTM Practice E 1527-13.

The Subject Property includes an approximately 15,000-square foot portion of a larger approximately 28.8-acre irregular-shaped parcel (parent parcel). At the time of assessment, the Subject Property consisted of undeveloped, grassy and wooded land, with no structures or other improvements. Five buildings, including a school, church, and convent/rectory, are located on the parent parcel.

Below is the Assessment Summary Table presenting our recommended actions for the Subject Property. EBI's Findings and Opinions are presented in Section 8.0, and recommendations for further action or investigation are presented in Section 9.0.

Report Section		No Further Action	REC	HREC	CREC	Other	Recommended Action	Estimated Cost
2.3	Current Use of the Subject Property	X						
2.5	Adjoining Properties	X						
4.1	Standard Environmental Records	X						
4.1.3	Vapor Migration	X						
4.2	Historical Use of the Subject Property and Adjoining Properties	X						
5.2	Hazardous Substances and Petroleum Products	X						
5.3	Waste Generation, Storage, and Disposal	X						
5.4	Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)	X						
5.5	Oil-Containing Equipment and Polychlorinated Biphenyls (PCBs)	X						
5.6	Additional Site Conditions	X						
7.1	Asbestos-Containing Material (ACM)	X						
7.2	Radon	X						
7.3	Lead-Based Paint (LBP)	X						
7.4	Lead in Drinking Water	X						

1.0 INTRODUCTION

This report documents the findings, opinions, and conclusions of a Phase I Environmental Site Assessment (ESA) of the vacant space lease area located at the property 381 N. Highland Avenue in Ossining, New York.

1.1 PURPOSE

The purpose of this ESA was to identify *recognized environmental conditions* and certain environmental conditions outside the scope of ASTM Practice E 1527-13 in connection with the property at the time of the property reconnaissance.

1.2 SCOPE-OF-SERVICES

This ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1527-13. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1527-13 are noted below or in the corresponding sections of this report. The scope-of-work for this assessment included an evaluation of the following:

- Physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils and hydrologic data.
- Subject Property history through a review of referenced sources such as land deeds, fire insurance maps, city directories, aerial photographs, prior reports, and interviews.
- Current Subject Property conditions, including observations and interviews regarding the following: the presence or absence of hazardous substances or petroleum products; generation, treatment, storage, or disposal of hazardous, regulated, or biomedical waste; equipment that utilizes oils which potentially contain PCBs; and storage tanks (aboveground and underground).
- Usage of surrounding area properties and the likelihood for releases of hazardous substances and petroleum products (if known and/or suspected) to migrate onto the Subject Property.
- Information in referenced environmental agency databases and local environmental records, within specified minimum search distances.
- Past ownership through a review of available prior reports and local municipal file review.

The scope-of-work also included consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E 1527-13: asbestos-containing materials (ACM), lead-based paint (LBP), lead in drinking water and radon.

1.3 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

This Phase I Environmental Site Assessment (the report) has been prepared for the use of PV Engineers, P.C., in accordance with our Standard Terms and Conditions for Third Party Due Diligence Services approved and signed by PV Engineers, P.C. (the Agreement), and with the limitations described below, all of which are integral parts of this report. A copy of the signed Standard Terms and Conditions for Third Party Due Diligence Services is maintained at the EBI Consulting office in Burlington, Massachusetts. To the extent any provisions of this report conflict with the terms of the Agreement, the Agreement will control.

EBI has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. This report was prepared with no exceptions or deletions from ASTM Standard E 1527-13.

This Phase I Environmental Site Assessment has been prepared to assess a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) and petroleum products. As such, this practice is intended to permit PV Engineers, P.C. to satisfy one of the requirements to qualify for the innocent landowner,

contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the Subject Property consistent with good commercial or customary practice" as defined in 42 U.S.C. §9601(35)(B).

In defining a standard of good commercial and customary practice for conducting an environmental site assessment of a parcel of property, the goal of the processes established by this practice is to identify *recognized environmental conditions*. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property (1) due to a release to the environment, (2) under conditions that indicate an existing release or a past release, or (3) under conditions that pose a material threat of a future release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term does not include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The information reported was obtained through sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with the authorities having jurisdiction over the Subject Property. Findings, conclusions, and recommendations included in the report are based on our visual observations in the field, the standard environmental record sources and municipal information reasonably obtained, information provided by the Client, and/or a review of readily available and supplied documents and drawings. EBI relies completely on the information, whether written, graphic, or verbal, provided by the Subject Property contact or as shown on any documents reviewed or received from the Subject Property contact, owner or agent, or municipal source, and assumes that information to be true and correct unless the information is known to be inaccurate or if it is obvious, based on other information obtained as part of the assessment, that the information is not accurate. Although there may have been some degree of overlap in the information provided by these various sources, EBI did not attempt to verify independently the accuracy or completeness of all information reviewed or received during the course of these environmental services.

The information reported, as well as EBI's findings, conclusions, and recommendations are based upon sources deemed reasonably ascertainable, as defined in ASTM Standard E 1527-13; a visual site survey of areas readily observable, easily accessible or made accessible by the Subject Property contact and interviews with owners, agents, occupants, or other appropriate persons involved with the Subject Property and a review of standard federal, state, and tribal environmental record sources. Municipal information was obtained through review of reasonably ascertainable standard government record sources and interviews with authorities having jurisdiction over the Subject Property. PV Engineers, P.C. agrees that EBI has no obligation to independently verify the accuracy or completeness of the information reviewed or received during the course of these environmental services.

EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under un-surveyed and/or inaccessible portions of the Subject Property. Unsurveyed and inaccessible portions of the Subject Property are described below. In addition, EBI renders no opinion as to the presence of hazardous substances or petroleum products in, on or under the Subject Property where direct observation of the interior walls, floor, or ceiling of a structure was obstructed by objects or coverings on or over these surfaces.

EBI Services and opinions are based on the scientific or technical tests or procedures specifically set forth in the scope of the Services described in this report. The ASTM Standard E 1527-13 does not encompass analytical testing to evaluate asbestos containing materials, radon, lead-based paint, drinking water quality, indoor air quality, stored chemicals, debris, fill materials, surface water, or subsurface samples (soil and groundwater) as part of a Phase I ESA. Because geologic and soil formations are inherently random, variable, and indeterminate in nature, the Services and opinions provided under this Agreement are not guaranteed to be a representation of actual conditions on the Subject Property, which are also subject to change with time as a result of natural or man-made processes, including water permeation. In performing the Services, EBI used that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality at the same time and under similar circumstances. No other representation, expressed or implied, and no warranty or guarantee is included or intended. The report speaks only as of its date, in the absence of a specific written update of the report, signed and delivered by EBI.

Additional information that becomes available after our survey and draft submission concerning the Subject Property should be provided to EBI so that our conclusions may be revised and modified if necessary, at additional cost.

Client and EBI agree that to the fullest extent permitted by law, EBI shall not be liable to Client for any special, indirect, consequential, punitive, exemplary, incidental or indirect damages or losses whatsoever, whether caused by EBI's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

The assessment was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession, and in accordance with generally accepted practices of other consultants currently practicing in the same locality under similar conditions.

1.4 SPECIAL TERMS AND CONDITIONS

This Phase I Environmental Site Assessment (the report) has been prepared to assist PV Engineers, P.C. in its underwriting of ownership or investment in the System to be located on the Subject Property. This report can be relied upon by only the parties stated in the transmittal letter at the front of this report. EBI's liability to a purchaser wishing to use this report is limited to the cost of the report. Amendments to EBI's limitations as stated herein that may occur after issuance of the report are considered to be included in this report. Payment for the report is made by, and EBI's contract and report extends to PV Engineers, P.C. only, in accordance with our Standard Conditions for Engagement, and Authorization letter and Agreement for Environmental Services.

1.5 DATA GAPS

Any data gaps identified herein, as defined by ASTM Practice E 1527-13 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the Subject Property and do not alter the conclusions of this report.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 OWNERSHIP AND LOCATION

According to the Town of Ossining Assessor's Office, the Subject Property is currently owned by the Church of Saint Augustine.

The Subject Property is located at 381 N. Highland Avenue in Ossining, Westchester County, New York. The Subject Property includes an approximately 15,000-square foot portion of a larger approximately 28.8-acre irregular-shaped parcel (parent parcel), identified by the Town of Ossining Assessor's Office as Parcel Number 80.18-2-1. The Subject Property is located near the northern end of the parent parcel. The parent parcel is located approximately 300 feet northwest of the intersection of New York State Route 9 and Mystic Drive. Figure 1 - Location Map depicts the location of the Subject Property on a street map of Ossining, New York. Figure 2 - Locus Map depicts the location of the Subject Property on the Ossining, New York United States Geological Survey (USGS) 7.5 Minute Topographic Quadrangle. Figure 3 - Site Plan depicts the configuration of the Subject Property and adjoining properties.

2.2 SUBJECT PROPERTY IMPROVEMENTS

At the time of assessment, the Subject Property consisted of undeveloped, grassy and wooded land, with no existing structures or other improvements. Five buildings, including a school, church and convent/rectory, are located on the parent parcel.

2.3 CURRENT USE OF THE SUBJECT PROPERTY

At the time of assessment, the Subject Property consisted of undeveloped, grassy and wooded land, with no existing structures or other improvements. EBI understands that the 15,000-square foot lease area that comprises the Subject Property will be utilized for battery storage and will include a power run extending easterly to New York State Route 9.

2.4 MUNICIPAL SERVICES & UTILITIES

The Subject Property is serviced by the following municipal services and utilities:

MUNICIPAL SERVICES AND UTILITIES	
Utility	Provider/Source
Potable Water Supply	Not provided
Sewage Disposal System	Not provided
Electrical Service	Not provided
Natural Gas Service	Not provided
Oil Service	Not provided
Heating/Cooling Systems	Not provided
Emergency Power	Not provided

2.5 ADJOINING PROPERTIES

Property use in the vicinity of the Subject Property is primarily characterized by the parent parcel occupant, The Church of Saint Augustine.

ADJOINING PROPERTIES	
Direction	Findings
North	The Subject Property is bound to the north by wooded land and New York State Route 9.
South	The Subject Property is bound to the south by a grassy plot, wooded land and the rectory associated with The Church of Saint Augustine.
East	The Subject Property is bound to the east by wooded land, buildings and a parking lot associated with The Church of Saint Augustine, followed by New York State Route 9.
West	The Subject Property is bound to the west by wooded land, beyond which is the Croton River.

No visual evidence of adverse environmental conditions was observed during the survey of the adjoining properties. The parent parcel address was identified on several regulatory databases and is further discussed in Section 4.1 of this report.

2.6 PHYSICAL SETTING

2.6.1 Topography

The Subject Property parent parcel is located at an elevation of approximately 88 feet above mean sea level (msl). The topography of the Subject Property is relatively flat and slopes gently to the southwest. The general slope of the surrounding region is to the west (see Figure 2, which depicts the location of the Subject Property on the Ossining, New York USGS 7.5 Minute Topographic Quadrangle).

2.6.2 Geology and Soils

No bedrock outcroppings were observed at the Subject Property.

Information concerning the geology of the Subject Property was obtained from the USGS Groundwater Atlas, New York region (1995). The Subject Property is located within the New England physiographic province, which is underlain by metamorphic and sedimentary rocks of the Cambrian and Ordovician period.

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) website (<http://websoilsurvey.nrcs.usda.gov/app/>), the dominant soil composition in the vicinity of the Subject Property is classified as Riverhead loam, 25 to 50 percent slopes (RhE) and Sutton loam, 3 to 8 percent slopes (SuB). The Riverhead component is on proglacial deltas, terraces. The parent material consists of loamy glaciofluvial deposits overlying stratified sand and gravel. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

The Sutton, loam component is on hills on glaciated uplands. The parent material consists of coarse-loamy melt-out till derived from gneiss, granite, and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 17 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 8 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

2.6.3 Hydrogeology and Hydrology

No natural surface water bodies were identified on the Subject Property. The nearest downgradient surface water body is the Croton River, located adjacent to the west of the parent parcel.

Local groundwater gradient is expected to follow surface topography; therefore, groundwater flow near the Subject Property is expected to flow to the west. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

3.0 USER PROVIDED INFORMATION

The following section summarizes information provided by PV Engineers, P.C. with regard to this Phase I Environmental Site Assessment. Additionally, a User Questionnaire was forwarded to the designated client contact. The User Questionnaire has been completed and returned to our offices. The information requested in the User Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. The User Questionnaire and any additional documentation referenced below is presented in Appendix C.

3.1 TITLE RECORDS

Title record information associated with the Subject Property has not been provided to EBI by PV Engineers, P.C.. A detailed discussion regarding review of information obtained from other sources is presented in Section 4.2.3 of this report.

3.2 ENVIRONMENTAL LIENS AND ACTIVITY AND USE LIMITATIONS

PV Engineers, P.C. has provided no information regarding environmental liens or activity and use limitations in connection with the Subject Property. A discussion regarding environmental liens is presented in Section 4.2.5 of this report. A detailed discussion regarding activity and use limitations is presented in Sections 4.1.1 and 4.1.2 of this report.

3.3 SPECIALIZED KNOWLEDGE

PV Engineers, P.C. provided no specialized knowledge that is material to recognized environmental conditions in connection with the Subject Property. EBI was not provided with or made aware of previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the Subject Property, except as presented in Section 4.2.6 of this report.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

PV Engineers, P.C. has provided no commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to recognized environmental conditions in connection with the Subject Property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

PV Engineers, P.C. has provided no information regarding valuation reduction for environmental issues in connection with the Subject Property.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

PV Engineers, P.C. provided contact information for the Subject Property owner, manager and/or occupants.

3.7 REASON FOR PERFORMING PHASE I ESA

PV Engineers, P.C. retained EBI to complete this Phase I Environmental Site Assessment in connection with a real estate transaction.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORDS

A review of standard environmental databases maintained by Federal, state, and tribal offices was completed through Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut. The databases were searched for properties with reported environmental conditions located within approximate minimum search distances as specified by ASTM Standard E 1527-13, by using geocoding information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded "orphan" properties within the same zip code. The database report is presented in Appendix E.

The database report identified six "orphan sites". Orphan sites are those sites that could not be accurately mapped or geocoded due to inadequate location information. EBI attempted to locate these sites via cursory online research. Based on this research, EBI identified St Augustine Church to be within the approximate minimum search distance. This facility corresponds to the parent parcel and is discussed below in Section 4.1.2 as a Leaking Storage Tank site.

It should be noted that plotted locations of listed sites are not always accurate. With regard to listings that are determined or suspected to be inaccurate, based on information from other sources such as direct observation or consultation with individuals familiar with the property, EBI uses the best available data when evaluating the location of listed sites discussed below.

The following table provides a summary of the findings of the environmental database report. Specific properties identified within the database report are further discussed in the sections below. Properties that are identified within the database report that are not discussed further in the sections below are not considered to be a concern to the Subject Property based on one or more of the following rationale: absence of reported releases, current regulatory status, distance, presumed hydrogeologic gradient and/or nature/extent of contamination.

SUMMARY OF FEDERAL, STATE, AND TRIBAL AGENCY DATABASE FINDINGS								
Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1	0	1	0	0	NR	1
Delisted NPL		1	0	0	0	0	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	1	NR	NR	NR	1
RCRA-SQG		0.25	0	0	NR	NR	NR	0
US ENG CONTROLS		0.5	0	1	0	NR	NR	1
ERNS		0.125	0	NR	NR	NR	NR	0
SEMS		0.5	0	1	0	NR	NR	1
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	1	0	NR	NR	1
RCRA-VSQQ		0.25	0	0	NR	NR	NR	0
SHWS		1	0	0	0	1	NR	1
SWF/LF		0.5	0	0	0	NR	NR	0
LTANKS		0.5	1	6	28	NR	NR	35
UST		0.25	0	1	NR	NR	NR	1
AST		0.25	0	1	NR	NR	NR	1
ENG CONTROLS		0.5	0	0	0	NR	NR	0
INST CONTROL		0.5	0	0	0	NR	NR	0
VCP		0.5	0	0	0	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	1	0	NR	NR	1

4.1.1 Federal, State and Tribal Agency Database Records

National Priority List (NPL)

The NPL database, also known as the Superfund List, is a subset of CERCLIS and identifies sites that are ranked as high priority for remedial action under the Federal Superfund Act and is searched to 1.0 mile.

Delisted National Priority List (NPL)

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes 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. The Delisted NPL database is searched to 0.5 mile.

Superfund Enterprise Management System (SEMS)

SEMS tracks federal hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of the USEPA's Superfund Program. The list was formerly known as CERCLIS and was renamed at the end of 2015. The list contains data regarding 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). SEMS also contains sites that are either proposed to or on the National Priority List (NPL), as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. SEMS is searched to 0.5 mile.

SEMS - ARCHIVE

SEMS - ARCHIVE tracks sites that have been removed from the SEMS list. This list was formerly known as the CERCLIS- NFRAP list and was renamed SEMS - Archive at the end of 2015. SEMS-ARCHIVE sites may be sites where, following an initial investigation, no contamination was found, contamination was removed without the need for the site to be placed on the NPL, or the contamination was not considered sufficient to warrant Federal Superfund action or NPL consideration. SEMS - Archive is searched to 0.5 mile.

Resource Conservation and Recovery Act (RCRA) - Corrective Action Tracking System (CORRACTS)

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information regarding sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The RCRA-CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective action(s) as regulated under RCRA and is searched to 1.0 mile.

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities

RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) facilities are required to register hazardous waste activity under the Resource Conservation and Recovery Act (RCRA), and the database is searched to 0.5 mile.

RCRA Hazardous Waste Generators

Hazardous waste generators tracked under the Resource Conservation and Recovery Act (RCRA) are classified as either Large Quantity Generators (LQGs), Small Quantity Generators (SQGs), or Conditionally Exempt Small Quantity Generators (CESQG). A RCRA-LQG is defined as a facility that generates over 1,000 kilograms (Kg) of hazardous waste, or over 1 Kg of acutely hazardous waste per month. A RCRA-SQG is defined as a facility that generates between 100 Kg and 1,000 Kg of hazardous waste per month. A RCRA-CESQG is defined as a facility that generates less than 100 Kg of hazardous waste, or less than 1 Kg of acutely hazardous waste per month. RCRA Hazardous Waste Generator listings are searched for the Subject Property and adjacent properties only.

Federal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. 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. 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. Federal Engineering Control / Institutional Control Registries are searched to 0.5 mile.

Emergency Response Notification System (ERNS)

ERNS is a national database used to collect information regarding reported releases of petroleum products and/or hazardous substances. The database contains information from spill reports submitted to Federal agencies, including the EPA, the U.S. Coast Guard, the National Response Center, and the U.S. Department of Transportation. A review of this database was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property.

Facility Index System/Facility Registry System (FINDS)/Enforcement & Compliance History Information (ECHO)

The FINDS/ECHO databases are environmental interest / information systems used to track information concerning current and historical compliance, tracking, monitoring and permitting in the United States. Facilities listed within the FINDS and ECHO databases are not necessarily sites with reported releases and/or known contamination. They are usually cross-references to other sources/databases that contain more detail.

RCRAInfo

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.

State and Tribal equivalent NPL Sites and CERCLIS Sites

State and tribal equivalent NPL and CERCLIS databases were searched for sites located within 1.0 mile and 0.5 mile of the Subject Property, respectively.

State and Tribal Spills Sites (Spills)

A review of available Spills databases was conducted in order to determine whether any spills or incidents involving releases of hazardous substances or petroleum products have occurred at the Subject Property.

State and Tribal Landfill Sites and Solid Waste Disposal Sites

The state and tribal landfill and solid waste disposal site databases identify active or inactive landfill and transfer station facilities, as well as open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites and are searched to 0.5 mile.

State and Tribal Registered Storage Tank Sites

The State Registered Storage Tank database is a listing of sites with registered above ground and/or underground storage tanks and is searched for Subject Property listings and adjoining property listings.

State and Tribal Leaking Storage Tank Sites

Leaking Storage Tank Sites are properties where releases of hazardous substances or petroleum products from underground storage tanks (USTs) and/or aboveground storage tanks (ASTs) have been identified and reported to state, tribal, or local agencies. State and Tribal Leaking Storage Tank databases are searched to 0.5 mile.

Voluntary Cleanup Program (VCP) Properties

The Voluntary Cleanup Program (VCP) database identifies sites that are undergoing self-directed investigation/cleanups under the guidance of the state regulatory agency. The VCP database is searched to 0.5 mile.

State and Tribal Engineering Control / Institutional Control Registries

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. 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. 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. State and Tribal Engineering Control / Institutional Control Registries are searched to 0.5 mile.

State and Tribal Brownfields Sites

Brownfields are properties for which the expansion, redevelopment, or reuse 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. Listing as a Brownfield site or a property that may be within a larger designated Brownfield area, does not necessarily indicate the property itself is contaminated. State and Tribal Brownfield databases were searched to 0.5 mile.

Detail Summary	
Site Name:	POLE
Databases:	NY SPILLS
Address:	381 NORTH HIGHLAND AVE
Distance:	Parent Parcel
Direction:	NA
Gradient:	NA
ID No.:	Spill No. 0805447
Comments:	The parent parcel address, 381 North Highland Avenue, was identified on the New York Spills database due to an incident reported on August 11, 2008 under Spill No. 0805447. According to the database listing, lightning struck a pole-mounted transformer, releasing approximately 2 gallons of transformer oil. Cleanup met applicable standards, and the spill case was granted regulatory closure on August 20, 2008. Based upon the regulatory closure and reported nature and extent of the spill, it is considered unlikely that conditions associated with Spill No. 0805447 represent an environmental concern to the Subject Property.

Site Name:	CON EDISON
Databases:	ECHO, FINDS, NY MANIFEST, RCRA NonGen / NLR
Address:	381 N HIGHLAND AVE
Distance:	Parent Parcel
Direction:	NA
Gradient:	NA
ID No.:	110038894248
Comments:	The regional utility provider, Con Edison, is identified on the RCRA Non-Generator, Manifest, FINDS, and ECHO databases under the parent parcel address of 381 North Highland Avenue. These listings indicate that a Con Edison facility at the parent parcel was formerly registered as a RCRA Conditionally Exempt Small Quantity Generator (CESQG) in 2008, with one listed waste manifest for the disposal of 727 kg of waste code B007 (i.e., other PCB wastes, including contaminated soil, solids, sludges, clothing, rags and dredge material). The waste manifest was dated August 11, 2008, which corresponds to the aforementioned Spill No. 0805447 that was granted regulatory closure on August 20, 2008. The Con Edison facility is currently registered as a Non-Generator and no longer generates hazardous waste. The FINDS and ECHO database listings are due to cross-referencing on the RCRAInfo database. No violations were listed for the Con Edison facility. The databases suggest the facility is located to the southeast of the Subject Property, along Route 9. Based upon the nature of these listings, absence of reported violations, and regulatory closure of Spill No. 0805447, it is considered unlikely that conditions associated with Con Edison facility represent an environmental concern to the Subject Property.

Site Name:	ST AUGUSTINE CHURCH
Databases:	LTANKS (Orphan Listing)
Address:	Eagle Park, Route 9
Distance:	Parent Parcel
Direction:	NA
Gradient:	NA
ID No.:	Spill No. 1502087
Comments:	The parent parcel, identified as "St. Augustine Church" (Eagle Park, Route 9), was identified on the Leaking Storage Tanks (LTANKS) database due to an incident reported on May 27, 2015 under Spill No. 1502087. According to the database listing, a failed tank test of a No. 2 fuel oil storage tank was reported to the Westchester County Department of Health (WCDOH) on May 27, 2015. The tank is presumed to be an underground storage tank (UST), and was registered under PBS No. 3-800262. Tank removal was pending at the time the incident was reported. Subsequently, on July 20, 2015, the WCDOH requested No Further Action and the case was closed the same day. EBI notes that information obtained from the Property Data Card for the parent parcel reports that a permit was filed on May 20, 2015 for the removal of one 2,000-gallon oil tank and installation of one new 1,000-gallon tank. The Property Data Card also reports that an additional permit was filed on

Comments:	June 8, 2015 for the removal and replacement of one 1,000-gallon tank. During the site reconnaissance, Father McSweeney reported that the oil tanks service the additional buildings located on the parent parcel. Father McSweeney reported that no spills or releases associated with these tanks have been reported. EBI notes that the nearest identified tank is located over 500 feet southeast from the Subject Property lease area. Based upon the regulatory closure and separating distance relative to the Subject Property lease area, it is considered unlikely that conditions associated with Spill No. 1502087 represent an environmental concern to the Subject Property.
------------------	--

Site Name:	Hudson River PCBs
Databases:	NPL, SEMS, US ENG/INST CONTROLS
Address:	No Street Applicable
Distance:	921 feet
Direction:	WSW
Gradient:	Downgradient
ID No.:	NYD980763841
Comments:	The Hudson River PCBs site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The contamination at this site is associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Hudson River, discharged into the Hudson River from two General Electric (GE) capacitor manufacturing plants located in the towns of Fort Edward and Hudson Falls, New York. The site is divided into the Upper Hudson River, which is the length of river between Hudson Falls and the Federal Dam at Troy, New York, and the Lower Hudson River, which is the length of river between Federal Dam at Troy and the Battery. Studies conducted to evaluate the extent of the problem revealed that most of the contaminated sediments were in hot spots situated in a 40-mile stretch of the river between the town of Fort Edward and the Troy Dam (more than 100 miles north of the Subject Property). In February 2002, the EPA issued a Record of Decision (ROD) for the Hudson River PCBs Superfund site that called for targeted environmental dredging of approximately 2.65 million cubic yards of PCB-contaminated sediment from the 40-mile section of the Upper Hudson River. The dredging of river bottom sediment began in 2009 and was completed in fall 2015. The cleanup was conducted and paid for by GE under the terms of a November 2006 legal agreement with EPA oversight. Once demobilization of the former GE facility and restoration has been completed and the required project reports are prepared and approved by the EPA, the dredging portion of the cleanup will be considered complete and the Operation, Maintenance & Monitoring (OM&M) phase of the project will begin. During this phase, monitoring will be conducted to track the ongoing recovery of the river and the effectiveness of the cleanup over time. The EPA will also conduct five-year reviews of the project. Based upon the reported nature and extent of the contamination, it is considered unlikely that conditions associated with the identified NPL facility represent an environmental concern to the Subject Property.

Site Name:	GUZZI - TTF
Databases:	LTANKS
Address:	15 STANLEY AVE
Distance:	0.102 mile
Direction:	NE
Gradient:	Upgradient
ID No.:	1411142
Comments:	According to the database, the identified LTANKS site was reported on February 23, 2015 due to a tank testing failure on a 1,000-gallon UST. The tank was removed and no evidence of a leak or significant contamination was found. The spill was closed on June 11, 2015. Based upon the current regulatory status, presumed hydrogeologic gradient and nature of this listing, it is considered unlikely that conditions associated with this LTANKS site represent an environmental concern to the Subject Property.

Site Name:	GONZALAS HOME
Databases:	LTANKS
Address:	4 OLD ALBANY POST ROAD
Distance:	0.136 mile
Direction:	E

Gradient:	Downgradient
ID No.:	0514159
Comments:	The identified facility was identified on the LTANKS database due to a tank testing failure that was reported on March 10, 2006. No evidence of a leak or contamination was found upon removal of the tank. The case was closed on June 23, 2006. Based upon the current regulatory status, nature of this listing, presumed hydrogeologic gradient and nature of this listing, it is considered unlikely that conditions associated with this LTANKS site represent an environmental concern to the Subject Property.

Site Name:	Briarcliff Woods #8; Condo; Poolhouse Tank; Briarcliff Woods Con.; Briarcliff Woods Assoc.
Databases:	LTANKS
Address:	BRIARCLIFF DRIVE SOUTH
Distance:	0.239 mile
Direction:	ESE
Gradient:	Upgradient
ID No.:	0503999; 0514320; 0504056; 0603355; 9105430
Comments:	EBI notes that the five identified LTANKS sites are all located within the Briarcliff Woods condominium complex. The properties are listed due to soil and/or groundwater contamination reported during tank removals. The WCDOH and NYSDEC closed all the listed LTANKS sites and declared no further action required after cleanup. Based upon the current regulatory status, nature/extent of contamination, and separating distance relative to the Subject Property, these LTANKS sites are considered unlikely to represent an environmental concern to the Subject Property.

Site Name:	Harmon Railroad Yard - Metro North RR
Databases:	SHWS
Address:	Harmon Railroad Yard
Distance:	0.749 miles
Direction:	WNW
Gradient:	Downgradient
ID No.:	360019
Comments:	The identified SHWS was added to the registry on November 18, 1999. The identified contaminants of concern include PCBs in soil from poor housekeeping practices in an on-site yard and old drum storage area, and groundwater contamination from a spill or other operation associated with the railroad yard. The database reports that there are no environmental problems associated with the disposal of hazardous waste at this site. However, there is the potential for impact on a surface water wetland, plants and animals listed as significant species by contamination of the non hazardous waste variety. The facility is currently listed as no further action required at this time. Based upon the distance/presumed hydrogeologic gradient relative to the Subject Property, nature/extent of contamination, and current regulatory status, it is considered unlikely that conditions associated with this SHWS facility represent an environmental concern to the Subject Property.

Federal, State and Tribal Agency Database Records Summary

The above-listed and remaining identified Federal, State and Tribal Agency Database listings are not considered an environmental concern to the Subject Property based on one or more of the following rationale: absence of reported releases, current regulatory status, distance, presumed hydrogeologic gradient and/or nature/extent of contamination.

4.1.2 Local Regulatory Agency Records

Local municipal offices consulted during the completion of this assessment included the following:

Westchester County Department of Health (WCDOH)

EBI has submitted a written request to the WCDOH for information regarding current and historical environmental health code violations, current and historical environmental health permits, asbestos or lead-based paint abatement, information on any septic system and information on any potable water well for the Subject Property parent parcel, in accordance with the Freedom of Information Act (FOIA). As of the date of this report, EBI has not received a response to this inquiry, but has received the inquiry number 20-280.

Upon receipt of the agency response, if the provided information has a material effect on the findings of this report, EBI will forward this information as an addendum to this report. If no response is received, or no material information is identified, our report will not be modified.

Town of Ossining

EBI reviewed available files on the Town of Ossining's online server for information regarding the Subject Property parent parcel. The identified Property Data Card reports that the parent parcel is located in a main commercial district and is classified as a school-general elementary and secondary. The Property Data Card also reports that there are four buildings located throughout the parent parcel, which were constructed in 1870, 1960, and 2000. The Property Data Card also identifies two permits for the parent parcel regarding the removal and replacement of oil tanks in 2015. A discussion of these permits is provided in Section 4.1 of this report. Additional permits were identified for general alterations and for two generators.

EBI has submitted a written request to the Town of Ossining for information regarding current and historical building permits, current and historical certificates of occupancy, date of construction, dates of public sewer and water connection, installation or removal of storage tanks (above and underground), hazardous materials storage and release, hazardous waste generation or discharge and asbestos or lead-based paint abatement at the Subject Property parent parcel, in accordance with the Freedom of Information Act (FOIA). As of the date of this report, EBI has not received a response to this inquiry. Upon receipt of the agency response, if the provided information has a material effect on the findings of this report, EBI will forward this information as an addendum to this report. If no response is received, or no material information is identified, our report will not be modified.

4.1.3 Vapor Migration

EBI conducted a vapor migration screening survey of the Subject Property. EBI's site observations and review of the environmental database report (cited in Section 4.1) did not identify any conditions on the Subject Property or on adjoining properties that would indicate a REC relative to vapor migration at the Subject Property.

This vapor migration screening was conducted in accordance with ASTM E1527-13 and is not intended to satisfy the requirements of ASTM E2600-15. The scope of this screening was limited to visual observations and review of the environmental database report and did not include the collection and laboratory analysis of air samples to confirm or refute the presence of airborne contaminants by vapor intrusion.

4.2 HISTORICAL USE OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

EBI attempted to determine the history of the Subject Property dating back to 1940 or first developed use.

No environmentally significant conditions were identified on the Subject Property or surrounding properties during the historical review.

The historical use of the Subject Property and surrounding area is summarized in the following sections.

4.2.1 Aerial Photographs and Maps

Historical aerial photographs and historical fire insurance maps may be used to evaluate changes in land use and to identify visible/labeled areas of potential environmental concern. Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. Other notable features such as woods, pipelines, municipal boundaries, and areas of filled land are often marked on topographic maps.

A search for historical aerial photographs, historical fire insurance maps and historical topographic maps depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). It should be noted that the scale of the available aerial photographs precludes the distinct identification of structures and/or land uses on or in the vicinity of the Subject Property. Historical images depicting the Subject Property reviewed are summarized in the following table. Copies of the images are presented in Appendix F.

AERIAL PHOTOGRAPH AND MAP SUMMARY			
Period	Subject Property Historical Uses	Surrounding Area Historical Uses	Source(s)
1892, 1893, 1902	No structures or other notable features are depicted on the Subject Property.	The Croton River is depicted to the west and a roadway is depicted to the east of the Subject Property. No structures or other notable features are depicted on surrounding properties.	Topographic Maps
1936, 1938	Conditions on the Subject Property are similar to those as depicted on the 1902 topographic map.	Conditions on the surrounding properties are similar to those as depicted on the 1902 topographic map, with the addition of two buildings labeled as Mary Immaculate School to the south of the Subject Property.	Topographic Maps
1938-1955, 1955	Conditions on the Subject Property are similar to those as depicted on the 1938 topographic map, with the exception that the western end is shaded to represent wooded land.	Conditions on the surrounding properties are similar to those as depicted on the 1938 topographic map, with the exception that the regions to the far north, east and west are shaded to represent wooded land. A major roadway is depicted to the east. The Croton River and associated wetlands are depicted to the west of the Subject Property.	Topographic Maps
1942	No structures or notable features are depicted on the Subject Property.	The Mary Immaculate School is depicted to the south of the Subject Property. In addition, a shed and additional building are depicted to the southeast of the eastern power line. A roadway appears to be depicted to the east. No features are included on the northern or eastern portions of the map.	Fire Insurance Maps
1953, 1957	The Subject Property appears to primarily consist of vacant space. Wooded land is depicted along the eastern and western ends of the Subject Property. A north to south trending road/walkway is depicted on the eastern end of the Subject Property lease area.	Features depicted on surrounding properties include wooded land to the east and to the west. The area to the northwest and south of the Subject Property lease area appears to be developed. A River is depicted to the west and two structures are depicted further south. In addition, a roadway is depicted to the east of the eastern power line part of the Subject Property.	Aerial Photographs
1961	Conditions on the Subject Property appear similar to those as depicted on the 1957 aerial photograph, with the exception that the roadway is no longer depicted.	Conditions on the surrounding properties appear similar to those as depicted on the 1957 aerial photograph, with the exception that the buildings to the south of the lease area appear to have been redeveloped/extended. In addition, the area to the north of the Subject Property lease area is now wooded land.	Aerial Photographs

1964,1965-1967, 1967	Conditions on the Subject Property are similar to those as depicted on the 1955 topographic map.	Conditions on the surrounding properties are similar to those as depicted on the 1955 topographic map, with the exception that an additional building is depicted to the south of the eastern power line. In addition, the roadway to the east is labeled as Route 9. An additional building is depicted near the existing school to the south.	Topographic Maps
1974, 1976	Conditions on the Subject Property appear similar to those as depicted on the 1961 aerial photograph, with the exception that the power run line at the east appears to pass through a developed area of land.	Conditions on the surrounding properties appear similar to those as depicted on the 1961 aerial photograph, with the exception that a developed area and a structure, with features consistent with a residence, have been developed to the south of the eastern power line.	Aerial Photographs
1977,1964-1979, 1979	Conditions on the Subject Property appear similar to those as depicted on the 1967 topographic map, with the exception that most of the Subject Property is now shaded to represent wooded land.	Conditions on the surrounding properties appear similar to those as depicted on the 1967 topographic map.	Topographic Maps
1985, 1989	Conditions on the Subject Property appear similar to those as depicted on the 1976 photograph.	Conditions on the surrounding properties appear similar to those as depicted on the 1976 photograph, with the exception that the structure to the south of the eastern power line appears to have been developed into a larger structure. In addition, a structure or ground disturbance can be seen to the south of the lease area.	Aerial Photographs
1994, 2006, 2009, 2013, 2017	Conditions on the Subject Property appear similar to those as depicted on the 1989 photograph.	Conditions on the surrounding properties appear similar to those as depicted on the 1989 photograph, with the exception that there is no longer any ground disturbance to the south of the lease area. The area to the south appears to be grassy, maintained land.	Aerial Photographs
2013	Conditions on the Subject Property appear similar to those as depicted on the 1979 topographic map, with the exception that only the northern, eastern and western power line portions are shaded to represent wooded land.	No structures are depicted on surrounding properties, with the exception of a school to the far south. The region to the north is shaded to represent wooded land, beyond which is located Route 9. The Croton River is also depicted to the west.	Topographic Maps

4.2.2 Street Directories

Street directories are commercial publications containing names and addresses, and in many cases, occupations of the occupants of a particular community. The directories may also contain information pertaining to business processes conducted within a community. A search for historical street directories was conducted by Environmental Data Resources, Inc. (EDR). Historical street directories were reviewed and are summarized in the following table. Copies of the street directories are presented in Appendix F.

STREET DIRECTORY SUMMARY		
Year	Issues Noted	Occupants
2010	No	St. Augustine's Catholic Church (381 N Highland Ave, Parent Parcel)
2017	No	Catholic Church Saint Augustine's; Saint Augustine's School (381 N Highland Ave, Parent Parcel)

4.2.3 Recorded Land Title Records

Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A "chain of title" is a continuous record of ownership for a specific parcel. A 50-year chain of title search was not included in the scope of work for this assessment.

4.2.4 Property Tax Records

The property card for the Subject Property was obtained at the Town of Ossining Assessor's Office. The property card identifies the current owner as the Church of Saint Augustine. Assessor's Office records indicate that the existing buildings located on the parent parcel were constructed in 1870, 1960 and 2000. A listing of the former Subject Property owners was not available for review.

4.2.5 Environmental Liens and Activity and Use Limitations

A search for Environmental Liens and Activity and Use Limitations was not included in the scope of this assessment.

4.2.6 Previous Environmental Reports

EBI was not provided with previous environmental assessments or other documentation regarding environmental investigations performed for the Subject Property. Father McSweeney reported that a subsurface investigation was previously conducted in the vacant space to the south of the Subject Property. According to Father McSweeney, the investigation was conducted in relation to a proposed structure in that area. Father McSweeney reported that he has requested a copy of this report for EBI's review, however, no previous reports have been provided as of date of this report. EBI did not identify previous environmental reports for the Subject Property at local agencies or other sources contacted during this assessment.

4.2.7 Other Historical Records and Interviews

Father McSweeney, the parent parcel occupant, was interviewed to obtain information regarding the history of the Subject Property. According to Father McSweeney, he has been familiar with the Subject Property for approximately 7 years. Father McSweeney reported that the parent parcel was occupied by a private estate, identified as Potter Estate, until it was purchased for the Mary Immaculate School in 1915. He also reported that the property was then purchased by the Archdiocese in 1978 and was utilized as a church and school.

Father McSweeney reported that a subsurface investigation was previously conducted in the vacant space to the south of the Subject Property lease area. According to Father McSweeney, the investigation was conducted in relation to a proposed convent in that area. Father McSweeney reported that he has requested a copy of this report for EBI's review, however, no previous reports have been provided as of date of this report.

5.0 SUBJECT PROPERTY RECONNAISSANCE

The Subject Property reconnaissance was conducted by Linda Bajraktari, EBI Field Assessor, on April 16, 2020. Ms. Bajraktari was accompanied by and interviewed Father McSweeney, the Subject Property occupant.

5.1 METHODOLOGY AND LIMITING CONDITIONS

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thoroughfares. Unimproved portions of the Subject Property were observed along the perimeter and in a general grid pattern in safely accessible areas.

At the time of the survey, the weather was sunny and approximately 45 degrees Fahrenheit.

Note that dense vegetation and ground cover precluded comprehensive visual examination of the ground surface over much of the undeveloped portions of the Subject Property. There were no other significant portions of the Subject Property that were inaccessible or excluded from this survey.

5.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

5.2.1 Hazardous Substances and Petroleum Products (Identified Uses)

EBI did not identify evidence of significant leaks, spills, or the improper handling of petroleum or hazardous substances that might impact the environmental condition of the Subject Property.

5.2.2 Hazardous Substances and Petroleum Products (Unidentified Uses)

EBI did not observe evidence of hazardous substance or petroleum products containers at the Subject Property that were not in connection with identified uses.

5.2.3 Unidentified Substances Containers

EBI did not observe evidence of unidentified substances containers at the Subject Property.

5.3 WASTE GENERATION, STORAGE, AND DISPOSAL

No evidence of improper solid waste management or the improper disposal of hazardous substances or petroleum products was observed at the time of reconnaissance.

5.4 UNDERGROUND STORAGE TANKS (USTS) & ABOVEGROUND STORAGE TANKS (ASTS)

5.4.1 Existing Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of existing USTs or ASTs located at the Subject Property.

5.4.2 Former Storage Tanks

Based upon site reconnaissance, interviews, and a review of state and local records, EBI identified no evidence of former USTs or ASTs located at the Subject Property.

5.5 OIL-CONTAINING EQUIPMENT AND POLYCHLORINATED BIPHENYLS (PCBS)

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution in commerce of PCBs was banned for use in 1979 by the United States Congress, which enacted the Toxic Substance and Control Act (TSCA). In accordance with US Code of Federal Regulations Title 40 - Protection of Environment, Chapter 1 - Environmental Protection Agency, Subchapter R - Toxic Substance Control Act (TSCA), Part 761 - Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, the owner of a transformer or other PCB-containing equipment is responsible for equipment maintenance and remediation in the event of a leak or release.

Based upon the absence of oil-containing equipment, no potential PCB-containing equipment was identified at the Subject Property.

5.6 ADDITIONAL SITE CONDITIONS

Based upon site reconnaissance, interviews, and a review of applicable records, EBI identified no additional evidence of additional site conditions or concerns.

6.0 INTERVIEWS

The site contact or Key Site Manager was contacted to be interviewed to obtain information regarding recognized environmental conditions in connection with the property. Additionally, a Pre-Survey Questionnaire was forwarded to the designated Subject Property contact. The Pre-Survey Questionnaire has been completed and returned to our offices. The information requested in the Pre-Survey Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. The Pre-Survey Questionnaire and any accompanying documentation is presented in Appendix C.

INTERVIEWS			
Contact / Affiliation	Date of Communication	Years Associated with the Subject Property	Telephone No.
Father McSweeney Church of Saint Augustine	04/16/2020	7	frbtm14@aol.com
Martin Susz Director of Energy Management Archdiocese of New York	4/09/2020 04/14/2020 04/16/2020	NA	646-236-8954

Pertinent information from the interviews is presented in applicable sections of this report.

7.0 CONSIDERATIONS OUTSIDE THE SCOPE OF ASTM PRACTICE E 1527-13

The following sections address environmental issues or considerations at the Subject Property that parties may wish to assess in connection with commercial real estate that are outside the scope of ASTM Practice E 1527-13 (non-scope considerations).

7.1 ASBESTOS-CONTAINING MATERIAL (ACM)

Asbestos is a term used to describe a group of six naturally occurring crystalline fiber minerals. Asbestos has excellent thermal stability, a high degree of tensile strength, and has been used extensively in the textile, insulation, and building industries, particularly as a component in fireproofing, decorative coatings, insulation materials, and as reinforcement for plaster binders in building products. Asbestos-containing building materials are generally classified as friable or non-friable. Friable materials are those that can be crumbled, pulverized, or reduced to powder by hand pressure, or by normal use or maintenance can be expected to emit asbestos fibers into the air. Non-friable ACM is a potential concern if it is damaged by maintenance work, demolition, or other activities, at which time it may be considered friable.

Based upon the absence of structures at the Subject Property and in accordance with the scope of work for this assessment, EBI did not conduct a survey for the presence of ACM.

7.2 RADON

Radon is a naturally-occurring, colorless and odorless radioactive gas that is generated primarily in granitic rocks. The United States Surgeon General has published information that radon is a cause of lung cancer. Radon usually enters a building through openings in the foundation, and therefore is a potential health concern to residents of the lowest level of a building with inadequate ventilation.

The EPA Map of Radon Zones indicates that Westchester County is located within a Zone 3 radon area. Zone 3 is defined as an area that has a low potential for radon gas, with a predicted average indoor radon screening level less than 2.0 picoCuries per liter (pCi/L). The EPA recommended Action Level for radon is 4.0 pCi/L.

Based upon the absence of structures on the Subject Property and in accordance with the scope of work for this assessment, EBI did not conduct a limited short-term radon screening at the Subject Property.

7.3 LEAD-BASED PAINT (LBP)

Use of lead in household paint was banned by the U.S. Environmental Protection Agency (EPA) effective January 1, 1978. The EPA and the U.S. Department of Housing and Urban Development (HUD) consider lead-based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm²) or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

Based on the absence of structures on the Subject Property and in accordance with the scope of work of this assessment, a lead-based paint (LBP) survey was not conducted at the Subject Property.

7.4 LEAD IN DRINKING WATER

Lead has historically been used in pipes, solder, and brass fixtures used in water distribution systems and building plumbing systems. In 1986, EPA banned the use of lead at concentrations exceeding 0.2% lead in solder and 8% lead in other plumbing materials. Lead in drinking water results primarily from corrosion of lead containing materials in service lines or from corrosion of lead containing materials in building plumbing systems such as lead solder, brass, bronze, and other lead containing alloys. The EPA Action Level for lead in public drinking water supplies is 0.015 parts per million (ppm) or 0.015 milligrams per liter (mg/L).

Municipal water service is not currently provided to the Subject Property. Regional potable water is reportedly provided by the Town of Ossining, and is supplied from two surface water sources: the Indian Brook Reservoir, located at 25 Fowler Avenue, and the Croton Reservoir, which is part of the New York City Water System. Based upon review of the Annual Drinking Water Quality Report for 2018, the municipal

water supply meets all current criteria established by the Safe Drinking Water Act (SDWA) and local municipal drinking water standards, with the exception of lead. The Water Quality Report indicates that the action level for lead exceeded the action level of 0.015 mg/L at eight of 120 sites sampled in 2018. The Water Quality Report states that household plumbing is likely that source of lead contamination for these sites. Based on the lack of water service and in accordance with the scope of work of this assessment, lead in water sampling was not conducted at the Subject Property.

8.0 FINDINGS AND OPINIONS

EBI has performed this Phase I Environmental Site Assessment of the Subject Property in conformance with the scope and limitations of ASTM Standard E 1527-13. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this Report.

This assessment has identified no evidence of *recognized environmental conditions (RECs)*, *historical recognized environmental conditions (HRECs)*, *controlled recognized environmental conditions (CRECs)*, *de minimis conditions*, or *considerations outside the scope of ASTM Practice E 1527-13* in connection with the Subject Property.

9.0 RECOMMENDATIONS

Based upon the findings of this investigation, no further action is recommended.

10.0 REFERENCES

Source Reviewed	Date(s)	Source Details
EDR Aerial Photo Decade Package (Inquiry Number 6035780.8S) Ship Date: April 08th, 2020	1953, 1957, 1961, 1964, 1974, 1976, 1985, 1989, 1994, 2006, 2009, 2013, 2017	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR City Directory Abstract (Inquiry Number 6035780.5S) Ship Date: April 09th, 2020	1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Historical Topo Map (Inquiry Number 6035780.4S) Ship Date: April 08th, 2020	1892, 1893, 1902, 1936, 1938, 1943, 1955, 1967, 1979, 2013	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Sanborn Map Search/Print (Inquiry Number 6035780.3S) Ship Date: April 09th, 2020	1942	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Radius Map Report (Inquiry Number 06035780.2R) Ship Date: April 09th, 2020		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.

Appendix A

Photographs



1 : Overview of Subject Property, facing northwest



2 : Overview of Subject Property, facing east



3 : Overview of Subject Property, facing south



4 : Overview of Subject Property, facing south



5 : Overview of Subject Property, facing west



6 : Overview of wooded area to the east



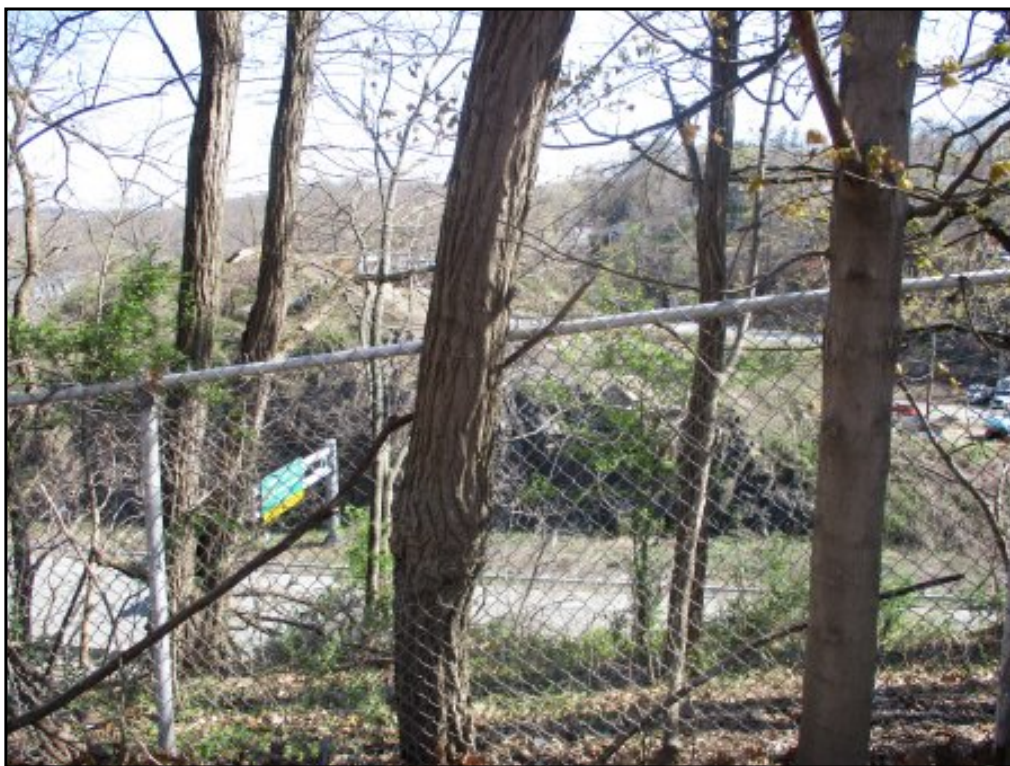
7 : Overview of wooded area to the east, beyond which is located a storage shed associated with the parent parcel



8 : Overview of wooded area to the east



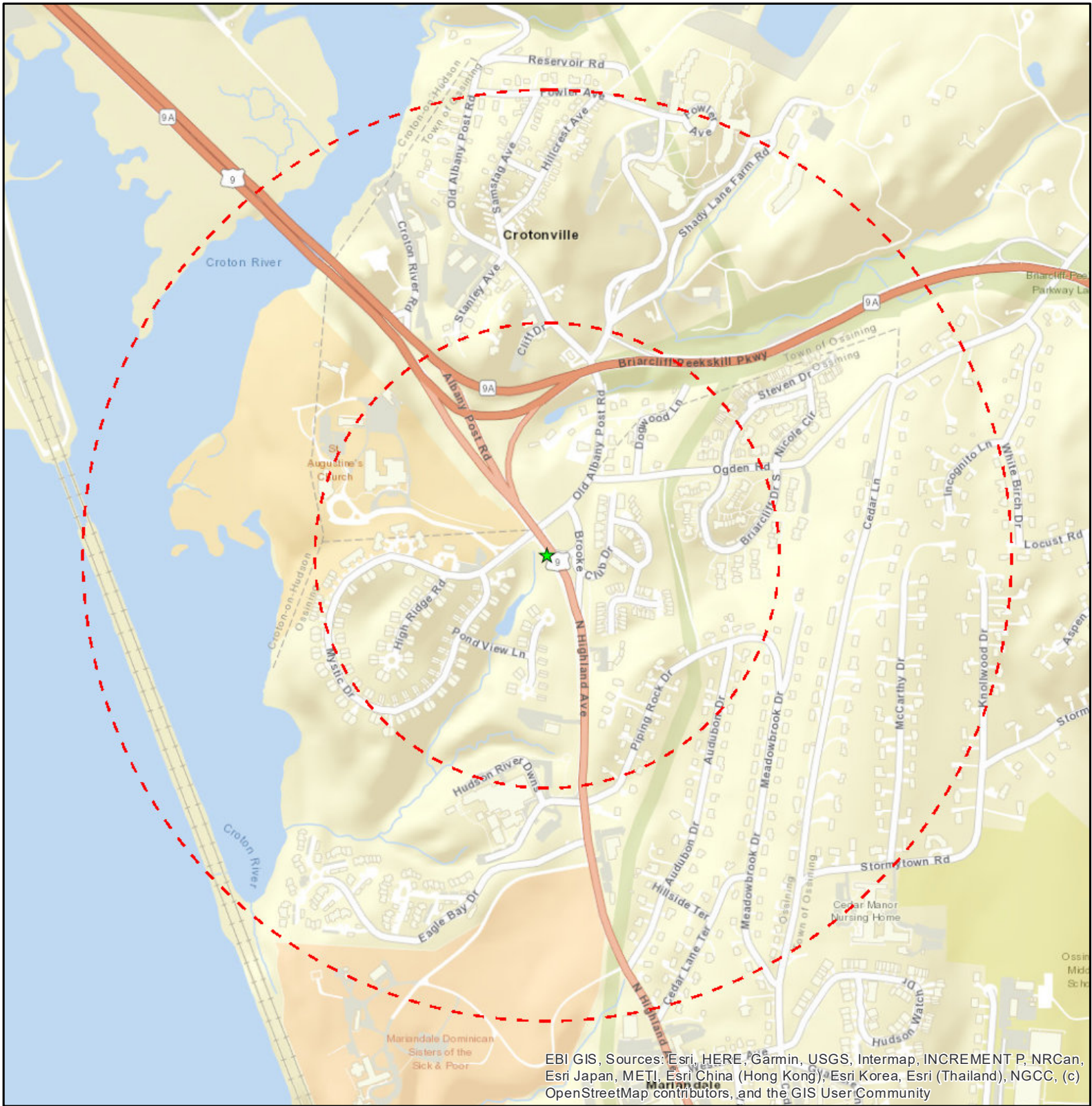
9 : Overview of wooded area and the Croton River to the west



10 : View of Route 9, to the north of the Subject Property

Appendix B

Figures



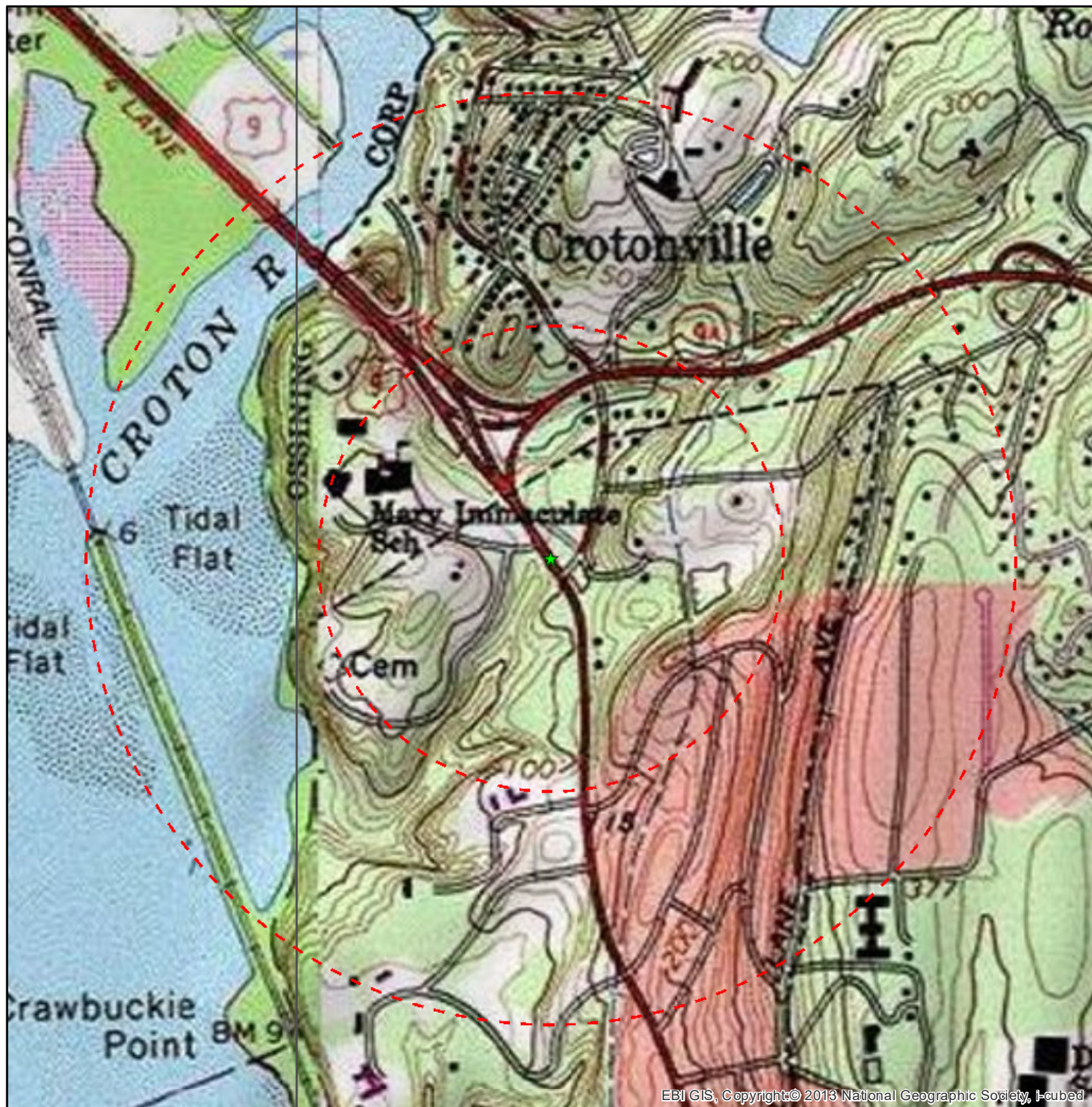
Legend

- ★ Project Site
- Site Radius at 1/4 and 1/2 mile

Date: 4/8/2020

Figure 1: Site Location Map

PROPOSED BATTERY STORAGE PROJECT
381 N. HIGHLAND AVENUE
OSSINING, NY 10562



Legend

- ★ Project Site
- Site Radius at ¼ and ½ mile

USGS 24K Quad: Ossining, NY 1986, Haverstraw, NY 1986

Date: 4/8/2020

Figure 2 - Topographic Map

**PROPOSED BATTERY STORAGE PROJECT
381 N. HIGHLAND AVENUE
OSSINING, NY 10562**

PN: 1120001957

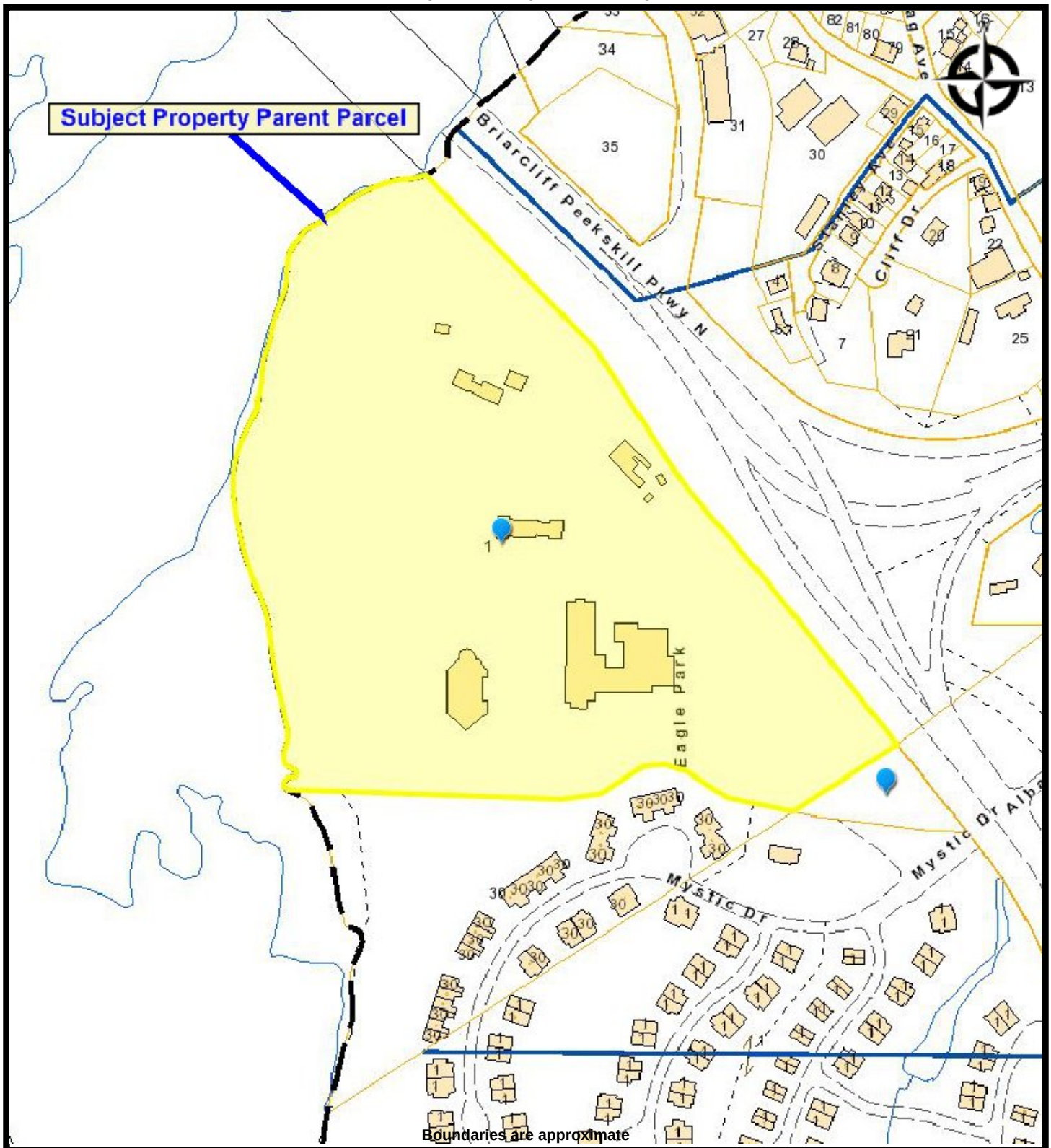




FIGURE 3 - SITE PLAN
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



381 N. Highland Avenue, Ossining, NY

For the purpose of this assessment, we understand that the Subject Property is described by the plan shown below (**SUBJECT PROPERTY in ORANGE OUTLINE PLUS THE POWER RUN THAT GOES TO ROAD**) and is highlighted to show the Subject Property boundary.



Appendix C

Pre-Survey Questionnaire and Other Relevant Documentation

ESA AAI USER QUESTIONNAIRE (ASTM E1527)

Subject Property Name: **Proposed Battery Storage Project** EBI Project #: **TBD**

Addresses:

2945 Richmond Terrace, Staten Island, NY

1525 Arthur Kill Road, Staten Island, NY

381 N. Highland Avenue, Ossining, NY

1. Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state or local law?

Yes ☒ No ☐ Unknown / Not Applicable

If yes, please attach a copy.

2. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Yes ☒ No ☐ Unknown / Not Applicable

If yes, please attach a copy.

3. As the user of this ESA do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Or, do you have documentation (i.e., Phase I ESAs, Phase II subsurface investigations, Tank Removal reports, remedial reports, asbestos sampling and/or abatement reports, lead-based paint sampling and/or abatement reports, etc.) for the Subject Property that may be relevant to the Phase I ESA?

Yes / No ☒ Unknown ☐ Not Applicable

Comments: _____

4. Does the purchase price being paid for this Subject Property reasonably reflect the fair market value of the Subject Property?

Yes / No / Unknown ☒ Not Applicable

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 Subject Property?

Yes / No

Comments: _____

ESA AAI USER QUESTIONNAIRE (ASTM E1527)

5. Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the environmental professional to identify conditions indicative of release or threatened releases? For example, as user,
- a. Do you know the past uses of the Subject Property? No
 - b. Do you know the specific chemicals that are present or once were present at the Subject Property? No
 - c. Do you know of spills or other chemical releases that have taken place at the Subject Property? No
 - d. Do you know of any environmental cleanups that have taken place at the Subject Property? No

Comments: _____

Please attach copies of previous environmental reports prepared for the Subject Property.

6. As the user of this ESA, based on your knowledge and experience related to the Subject Property are there any obvious indicators that point to the presence or likely presence of contamination at the Subject Property?

Yes ☒ No ☐ Unknown / Not Applicable

Comments: _____

Please be sure to attach copies of documentation, as available.

Completed by:



Project Developer

Name Tyler Kiss

Title

PV Engineers, P.C.

04-6-2020

Company Name

Date

Presented above is the User Questionnaire (as cited in the Appendix X3 of ASTM Standard E 1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process). This questionnaire is designed to address one of the requirements to satisfy the intent of the Standard, as noted in Section 1.1 of ASTM E 1527. Specifically, in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), **the User (the Client) of EBI's Phase I ESA report** must provide the information addressed below (if available) to EBI. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete. To note, it is acceptable if you (the Client and User of this report) have no significant information regarding the questions below. The ASTM standard simply requires that we document your answers to this questionnaire. As such, the User Questionnaire can only be completed by the User (the Client). Please also note that EBI provides the site contact with a separate, Pre-Survey Questionnaire. This questionnaire is more detailed and documents their knowledge of the Subject Property.



CORPORATE

REGIONAL OFFICE

TEL. 717-428-0401 FAX 781-425-3623
REResearchGroup@ebiconsulting.com

FACSIMILE TRANSMITTAL SHEET

To:	From:	Date:
	Caitlin Rasche Project Coordinator	April 9, 2020

Fax number or email address: Total number of pages including cover:

4

Please complete and return

Please Reply

Email to REResearchGroup@ebiconsulting.com
Or Fax to 781-425-3623

Urgent

Re: Environmental Site Assessment Questionnaire for property known as or located at

PROPOSED BATTERY STORAGE PROJECT

We have been requested by: Subject: EBI Project #:

PV Engineers, P.C.	To complete an Environmental survey of the above mentioned property.	1120001957
--------------------	---	------------

1. Please read these instructions and those on the following page carefully.
2. Please assemble this original questionnaire and one copy of pertinent property documents, and forward all information to the site or the site contact for the Engineer and/or Scientist to use during the site visit. This documentation will be included in our report.
3. Please fill out this questionnaire to the best of your knowledge and email or fax it back to us within three business days.
4. The Scientist will contact you directly to schedule the site visit.
5. This information is extremely time sensitive and necessary to provide your lender with accurate and timely report.
- 6.

EBI Consulting

1



Please fill out and sign this questionnaire to the best of your knowledge for the Scientist's site visit. Email to Caitlin Rasche at REResearchGroup@ebiconsulting.com or fax to 781-425-3623, for our report files, and keep the original to provide to the Scientist.

7.

Subject Property Name: Proposed Battery Storage Project

EBI Project #: 1120001957

Address: 381 N. Highland Avenue Ossining NY

Subject Property Owner: _____ Purchase Date: _____

On-Site Property Contact: _____ Telephone: _____

Fax: _____ Email: _____

Your Name and title

Signature

Date

Additional plans and documentation (see page 4) must be forwarded to the site for the Scientist during the survey. For questions not applicable please respond "N/A." Attach additional pages if necessary. This questionnaire and your responses will be included as an exhibit in the Environmental report. Accurate and full completion is critical to a timely completion of our reports, and timely loan closing.

LOCAL JURISDICTIONAL INFORMATION

1. What is the property ID #, Lot and Block, or Township/Range ID
#? 554289 89.08-1-8 89.08-1-9 80.18-2-1 554203 80.18-1-1
2. What is the legal Municipality or County that has jurisdiction over the property? TOWN OF OSSINING
3. What is the assessors file ID number and tax file ID number if available? 13-1740331

PROPERTY INFORMATION

4. What is the size of the subject property lot or lots, in acres? ~ 28
5. How many buildings comprise the subject property? 5
 - a. If the property is a mall or large retail center, please confirm and list ownership of each building. NA
6. What is the gross and net rentable square footage of the building(s)? _____
7. What is the date of construction of the building(s)? When was the building(s) first occupied? 1921 1967 1987
8. How many tenant spaces or apartments are at the Subject Property?
(2 RECTORY, CONVENT)
9. Please list, to the best of your knowledge, any structural, water infiltration, mold, roof, plumbing, HVAC, Fire Alarm or electrical deficiencies or problems. NONE
10. Please list any deficiencies noted during any Building, Fire or Health Department inspections in the last three years. NONE
11. Please list the following utility providers: Electricity: Con Edison
Water: Village of Ossining Storm Drainage: _____ School - Natural Gas
Sanitary Sewer: Septic Natural Gas or Oil: Other - Oil Propane
Trash Hauler: Town of Ossining and, Frequency of Pick-ups: weekly
12. Please attach a brief history of the property. Potter Estate purchased for Mary Immaculate School in 1915 bought by Archdiocese 1978

ENVIRONMENTAL SITE ASSESSMENT PRE-SURVEY QUESTIONNAIRE

1. Describe the current uses of the property noting tenant names and oil/chemical usage. ST. AUGUSTINE CHURCH, SCHOOL, RECTORY, CONVENT
2. Describe the past uses of the property noting tenant names and oil/chemical usage. MARY IMMACULATE SCHOOL
3. (Y) (N) Has a previous environmental site assessment report been prepared for the property? If yes, for what reason? Can EBI have a copy?
4. (Y) (N) Has a subsurface investigation (Phase II) ever been conducted on the property, including soil sampling, groundwater sampling, or installation of groundwater monitoring wells? If yes, for what reason? What were the results? Can EBI have a copy of the report? Are there any groundwater monitoring wells currently located on the property?
5. (Y) ☒ (N) Has contamination been identified at the Subject Property? Describe the nature of the contamination (i.e., source, media impacted, location, sampling, cleanup activities, regulatory status, etc.). Can EBI have copies of related documentation? NO
6. (Y) ☒ (N) Has a spill or surficial release occurred at the Subject Property? Describe the nature of the spill/surficial release (i.e., source, location, response/cleanup actions, regulatory status, etc.). Can EBI have copies of related documentation? NO
7. (Y) ☒ (N) Is the Subject Property listed with the USEPA and/or the state environmental regulatory agency as a contaminated site? If yes, please describe. Can EBI have copies of related documentation? NO
8. (Y) (N) Has there ever been previous sampling for Asbestos, Lead-Based Paint, Lead in Water, or Radon? If yes, please describe. Can EBI have copies of related documentation?
9. (Y) (N) Has there been any Asbestos or Lead-Based Paint abatement or Radon mitigation conducted at the Subject Property? Are there Asbestos and/or Lead-Based Paint Operations and Maintenance Plans for the Subject Property? If yes, please describe. Can EBI have copies of related documentation?
10. (Y) ☒ (N) Any known environmental liens, deed restrictions, or use limitations for the Property? If yes, please describe. Can EBI have copies of related documentation?
11. (Y) ☒ (N) Any permitted or regulated activities (Hazardous waste generator, air) on the Property? If yes, please describe.

12. (Y) (N) Are there any transformers or other electrical equipment, which may contain PCBs? If yes, please describe. Where are they? Who owns the transformer(s)? Who services them?__
13. (Y) (N) Has an industrial or manufacturing operation, gas station, motor repair facility, commercial printing facility, dry cleaners, photo-developing laboratory, junk yard, landfill or waste, treatment, storage, disposal processing or recycling facility ever been located at or adjacent to the property? If yes, please describe.__
14. (Y) (N) Are there any discarded drums, barrels or containers, construction debris, damaged or discarded automobile or industrial batteries, or pesticides, paints or other chemicals in individual containers or drums of greater than five gallons or fifty gallons in aggregate located on the property? If yes, please describe.__
15. (Y) (N) Have there ever been any waste storage or treatment lagoons, pits, ponds, or surface impoundments on the property? If yes, please describe.__
16. (Y) (N) Does the property have floor drains not discharging to a sewer? Septic System? If yes, please describe.__
17. (Y) (N) Are there currently aboveground or underground storage tanks at the property? If yes, complete table.

Type of Tank	Size	Content	Installation Date	Spill/Leak Detection? Y or N
Above or Underground	gal			
Above or Underground	gal			
Above or Underground	gal			
Above or Underground	gal			

18. Are you aware of any information to indicate that the Subject Property was sold for substantially below its fair market value? If so, please provide an explanation:
19. Additional comments and/or pertinent information relevant to this Phase I ESA:__

DOCUMENT AND INFORMATION CHECKLIST

Please provide the following information (as much as possible in electronic format) so the Scientist can proceed with the survey of the property.

A. Plans	B. Municipal Documents	C. Additional Information
- ALTA Survey or Site Plan - Reduced scale Site and Building Plans	- Certificate of Occupancy - Building Permit - Copy of tax cards	- Tenant Rent Roll - Historical Uses - Previous Due Diligence Reports

EBI ACCESS REQUIREMENTS

At the time of the site visit the Consultant is required to gain access to all areas of the property. This includes:

- All building interiors, including as applicable, common areas, lobbies, a representative sampling of offices, retail spaces, manufacturing or assembly areas, or apartments, community rooms, exercise rooms, pool areas, storage rooms, attics and basements, garages.
- All building perimeters
- All site amenities
- All building roofs, unless pitched asphalt shingles. This may require you to obtain and provide a ladder.
- All mechanical, electric, sprinkler, HVAC, utility, service, elevator, storage and equipment rooms



Location: ALBANY POST RD			Parcel ID: 80.18-2-1			Class: 612 - Schools-General elementary and secondary						
Location			General Information			Special Districts						
CHURCH OF ST AUGUSTINE ALBANY POST RD OSSINING, 10562			Living Units Neighborhood C20 - Commerical Mai School Name OSSINING CENTRAL Former SBL 1.09-022-1 Additional Lots Zoning Single Family Roll Section Wholly Exempt SWIS Code OSSINING UNICORPORATED			SD057 - County Swr Ossining WD100 - Town-wide Water Dist						
Land Information			Assessment Information									
Total Acres: 28 Square Feet: 1,219,680			Land	Building	Total	Yr						
			7,169,800	7,360,600	14,530,400	19						
Property Notes						Assessment History (based on prior year assessment 14,530,400)			Exemptions			
						Assessed Land \$7,169,800 Assessed Bld \$7,360,600			County	Town	School	Star
						Total \$14,530,400			14530400	14530400	14530400	0
Recent Sales/Ownership History												
Date	Price	Sale Type	Validity	Reference #	Type							
						Recent Permit Information						
						Permit Date	Permit #	Price	Description			
						5/20/2015	B-15-2707	\$14,550	REMOVE 2,000 OIL TANK & INSTALL NEW 1,000 TANK			
						6/8/2015	B-15-2708	\$13,000	REMOVE 1,000 OIL TANK & INSTALL NEW 1,000 TANK			
						8/14/2018	B-18-2969	\$400,000	ALTERATIONS TO PARISH HALL			
						9/30/2019	B-19-3062	\$16,000	2 GENERATORS			

Location: ALBANY POST RD			Parcel ID: 80.18-2-1						Class: 612 - Schools-General elementary and secondary										
Building Cost Detail									Interior/Exterior Information										
Total Gross Building Area 85126									Level From	Level To	Area	Use Type	Heating	Cooling	Plumbing				
Income Summary (all buildings on parcel)									1	1		SCHOOL	HOT WATER STEAM	NONE	NORMAL				
Total Gross Rent Area 85126 Total Gross Building Area 85126									1	1		CHURCH	HOT WATER STEAM	CENTRAL	NORMAL				
									1	1		CONVENT/RECTORY	HOT WATER STEAM	CENTRAL	NORMAL				
									2	2		SCHOOL	HOT WATER STEAM	NONE	NORMAL				
									A1	A1		SCHOOL	HOT WATER STEAM	NONE	NORMAL				
									B1	B1		SCHOOL	HOT WATER STEAM	NONE	NORMAL				
									B1	B1		Non-Contrib Area	NONE	NONE	BELOW NORMAL				
									Additional sketches may be available at the City office										
Building Information																			
Year Built/ Eff Year	Bldg #	Sq Ft	Structure Type	Identical Units	Total Units	Grade	# Covered Parking	# Uncovered Parking											
1960	1	54068	612	1	1	C+		140											
2000	2	10504	620	1	1	B+													
1870	3	19704	612	1	1	B-													
1960	4	3718	620	1	1	C+													
</																			

STATE OF NEW YORK
COUNTY - Westchester
TOWN - Ossining
VILLAGE - Ossining
SWIS - 554203

2 0 1 7 F I N A L A S S E S S M E N T R O L L
WHOLLY EXEMPT SECTION OF THE ROLL - 8
THESE ASSESSMENTS ARE ALSO USED FOR VILLAGE PURPOSES
TAX MAP NUMBER SEQUENCE
UNIFORM PERCENT OF VALUE IS 100.00

PAGE 2028
VALUATION DATE-JUL 01, 2016
TAXABLE STATUS DATE-MAY 01, 2017

TAX MAP PARCEL NUMBER	PROPERTY LOCATION & CLASS	ASSESSMENT	EXEMPTION CODE-----VILLAGE-----COUNTY-----TOWN-----SCHOOL
CURRENT OWNERS NAME	SCHOOL DISTRICT	LAND	TAX DESCRIPTION
CURRENT OWNERS ADDRESS	PARCEL SIZE/GRID COORD	TOTAL	SPECIAL DISTRICTS
***** 80.18-1-1 *****			
80.18-1-1	North Highland Ave		
Church Of St Augustine	612 School	RELG PROP 25110 70,400	70,400 70,400 70,400
Eagle Park	Ossining Centra 554201	70,400	VILLAGE TAXABLE VALUE 0
Albany Post Rd	1.09-022-1.C	70,400	COUNTY TAXABLE VALUE 0
Ossining, NY 10562	St Augustine		TOWN TAXABLE VALUE 0
	ACRES 0.80		SCHOOL TAXABLE VALUE 0
	EAST-0665256 NRTH-0856581		SD057 County swr ossining 70,400 TO C
	FULL MARKET VALUE	70,400	

STATE OF NEW YORK
COUNTY - Westchester
TOWN - Ossining
SWIS - 554289

2017 FINAL ASSESSMENT ROLL

WHOLLY EXEMPT SECTION OF THE ROLL - 8

PAGE 2893

VALUATION DATE-JUL 01, 2016
TAXABLE STATUS DATE-MAY 01, 2017

TAX MAP NUMBER SEQUENCE
UNIFORM PERCENT OF VALUE IS 100.00
UNIFORM PERCENT OF VALUE IS 100.00

TAX MAP PARCEL NUMBER	PROPERTY LOCATION & CLASS	ASSESSMENT	EXEMPTION CODE	COUNTY	TOWN	SCHOOL
CURRENT OWNERS NAME	SCHOOL DISTRICT	LAND	TAX DESCRIPTION	TAXABLE VALUE		
CURRENT OWNERS ADDRESS	PARCEL SIZE/GRID COORD	TOTAL	SPECIAL DISTRICTS		ACCOUNT NO.	
***** 80.18-2-1 *****						
80.18-2-1	Albany Post Rd					
Church Of St Augustine	612 School		RELG PROP 25110	0	13849,900	13849,900
Eagle Park	Ossining Centra 554201	6894,000	COUNTY TAXABLE VALUE		0	13849,900
Old Albany Post Rd	1.09-022-1	13849,900	TOWN TAXABLE VALUE		0	
Ossining, NY 10562	Eagle Park		SCHOOL TAXABLE VALUE		0	
	ACRES 28.00		SD057 County swr ossining	13849,900	TO C	
	EAST-0664559 NRTH-0857083		SD069 Town outside sewer	13849,900	TO C	
	FULL MARKET VALUE	13849,900	WD100 Town-wide water dist	13849,900	TO M	
***** 80.18-2-27 *****						
80.18-2-27	11 Old Albany Post Rd					
Parker-Bale Post 1597	534 Social org.		VETORG CTS 26100	0	286,700	286,700
Attn: American Legion Bale Pos	Ossining Centra 554201	153,000	COUNTY TAXABLE VALUE		0	
11 Old Albany Post Rd	1.09-035-2	286,700	TOWN TAXABLE VALUE		0	
Ossining, NY 10562	FRNT 73.00 DPTH 138.00		SCHOOL TAXABLE VALUE		0	
	ACRES 0.20		SD057 County swr ossining	286,700	TO C	
	EAST-0665806 NRTH-0857318		SD100 Town-wide sewer dist	286,700	TO C	
	FULL MARKET VALUE	286,700	WD100 Town-wide water dist	286,700	TO M	
***** 80.18-2-30 *****						
80.18-2-30	Mystic Dr					
Mystic Pointe Condo	411 Apartment		WHOLLY EX 50000	0	0	0
Mystic Dr	Ossining Centra 554201	0	COUNTY TAXABLE VALUE		0	
Ossining, NY 10562	common area	0	TOWN TAXABLE VALUE		0	
	ACRES 8.42		SCHOOL TAXABLE VALUE		0	
	FULL MARKET VALUE	0				

STATE OF NEW YORK
COUNTY - Westchester
TOWN - Ossining
SWIS - 554289

2 0 1 7 F I N A L A S S E S S M E N T R O L L

WHOLLY EXEMPT SECTION OF THE ROLL - 8

PAGE 2907

VALUATION DATE-JUL 01, 2016
TAXABLE STATUS DATE-MAY 01, 2017

TAX MAP NUMBER SEQUENCE
UNIFORM PERCENT OF VALUE IS 100.00
UNIFORM PERCENT OF VALUE IS 100.00

TAX MAP PARCEL NUMBER	PROPERTY LOCATION & CLASS	ASSESSMENT	EXEMPTION CODE	COUNTY	TOWN	SCHOOL
CURRENT OWNERS NAME	SCHOOL DISTRICT	LAND	TAX DESCRIPTION	TAXABLE VALUE		
CURRENT OWNERS ADDRESS	PARCEL SIZE/GRID COORD	TOTAL	SPECIAL DISTRICTS		ACCOUNT NO.	
***** 89.08-1-8 *****						
89.08-1-8	75 Stormytown Rd					
Church Of St Augustine	695 Cemetery		CEMETARIES 27350	0	72,300	72,300
Eagle Park	Ossining Centra 554201	72,300	COUNTY TAXABLE VALUE		0	72,300
Albany Post Rd	1.03-024-6	72,300	TOWN TAXABLE VALUE		0	
Ossining, NY 10562	Cemetery		SCHOOL TAXABLE VALUE		0	
	ACRES 3.40					
	EAST-0670154 NRTH-0855839					
	FULL MARKET VALUE	72,300				
***** 89.08-1-9 *****						
89.08-1-9	75 Hawkes Ave					
Church Of St Augustine	695 Cemetery		CEMETARIES 27350	0	662,200	662,200
Eagle Park	Ossining Centra 554201	650,300	COUNTY TAXABLE VALUE		0	662,200
Albany Post Rd	1.10-024-7	662,200	TOWN TAXABLE VALUE		0	
Ossining, NY 10562	Cemetery		SCHOOL TAXABLE VALUE		0	
	ACRES 30.60					
	EAST-0670122 NRTH-0855029					
	FULL MARKET VALUE	662,200				
***** 89.08-1-65 *****						
89.08-1-65	Pheasant Ridge Rd					
Country Meadows Associates	311 Res vac land		WHOLLY EX 50000	0	86,900	86,900
Donna Lakis	Ossining Centra 554201		86,900 COUNTY TAXABLE VALUE		0	
18 Quail Hollow Rd	1.04-011-99	86,900	TOWN TAXABLE VALUE		0	
Ossining, NY 10562	common area		SCHOOL TAXABLE VALUE		0	
	ACRES 2.59					
	EAST-0671478 NRTH-0855071					
	FULL MARKET VALUE	86,900				

Appendix D

Professional Qualifications

Summary of Experience

Linda Bajraktari has four years of experience in the environmental consulting field. As a consultant, she has provided environmental due diligence and compliance evaluations in the real estate and telecommunication industries through work as a Project Scientist and a Radio Frequency Electromagnetic Emissions Technician. As a Project Scientist, Linda has successfully completed Phase I Environmental Site Assessments and Preliminary Environmental Site Screening reports for various property types in New York City and throughout the northeast region. Site assessments include a review of State, Federal and Tribal environmental databases and visual inspections to determine the presence of site contamination, hazardous substances and chemical residue within structures. Linda also performs visual screening inspections and sampling surveys for asbestos, radon, lead and mold.

EBI CONSULTING- Burlington, MA
Project Scientist – July 2019 – Present

Relevant Project Experience

The Puck Building, 295 Lafayette Street, New York, NY 10012

Conducted Phase I Environmental Site Assessment (ESA) for historic landmark property in New York City. The ESA required a visual inspection of the seven-story story, 0.53 acre building and reviewing dense historical data dating back to 1894. A visual screening for asbestos was conducted and an Asbestos Operations and Maintenance Plan was recommended.

Peaks of Nanuet, 100 Alavon Gardens Drive, Nauet, NY 10954

Deployed over 50 AccuStar 48-Hour Radon Test Canisters throughout 64-buildings following approved sampling protocols. Completed chain of custody documentation and filled out necessary information for lab testing. Successfully retrieved all test canisters to submit for analysis.

220 Sound Beach Avenue, Old Greenwich, Connecticut 06870

Standard ESA performed for a mixed-use property in Connecticut. Conducted additional research at the Greenwich Town Hall for historic property records. Reviewed deed books, a remediation annual progress report, Connecticut Department of Energy and Environmental Protection incident reports, regulatory closure reports and site groundwater monitoring reports.

Education

MS Environmental Geoscience, Queens College, City University of New York
BS Environmental Science, University at Albany, State University of New York

Professional Registrations

NYS Department of Labor Asbestos Inspector Initial, Class D Inspector (CERT# 19-13444)

SUMMARY OF EXPERIENCE

Mr. Hickey is a Program Manager with over 10 years of experience specializing in environmental site assessments and property condition assessments for the real estate and telecommunications industries. Mr. Hickey has successfully completed hundreds of project assignments pertaining to property transaction due diligence site assessments including: Transaction Screens; Phase I Environmental Site Assessments; peer report reviews, and Property Condition Assessments. In addition, Mr. Hickey has extensive experience overseeing subsurface investigations, remediation projects, and asbestos and lead-based paint surveys. At EBI, Mr. Hickey currently performs technical reviews of Phase I Environmental Site Assessment reports and peer reports, and provides project coordination and portfolio management. Mr. Hickey works closely with lending institutions, corporate environmental officers, legal counsel, and real estate brokers to develop strategies for managing properties with environmental concern.

RELEVANT PROJECT EXPERIENCE

Mr. Hickey has over 10 years of experience conducting environmental assessments for commercial, industrial, and multi-family residential properties located nationwide and in Canada. Mr. Hickey has extensive experience conducting environmental assessments for real estate and telecommunications sites located throughout the New York metropolitan area. These assessments were performed to evaluate current and historic site conditions, potential off-site liabilities, environmental control systems, and site remediation costs in order to advise prospective buyers, operators and owners of potential and existing environmental concerns.

In addition to environmental assessments, Mr. Hickey has performed hundreds of property condition assessments for various property owners and financial institutions for portfolios and individual projects in the Northeast and Canada. Projects completed ranged in size and complexity from small single-family residences and individual businesses, to multi-story apartment buildings and multi-building shopping centers.

Mr. Hickey has also conducted various stages of technical investigations including subsurface investigations, remediation projects, environmental compliance audits, and hazardous materials surveys. These investigations have included the management, installation, and oversight of soil borings, soil vapor points, and groundwater monitoring wells utilizing various sampling techniques such as direct-push, auger, and air rotary, and the sampling of environmental media. Property types have ranged from heavily industrialized to residential properties.

EDUCATION

B.A.Sc. Environmental Engineering, University of Toronto, Toronto, Ontario, Canada

PROFESSIONAL REGISTRATIONS

Registered Intern Engineer in the State of New York
Registered Professional Engineer, Ontario, Canada (License No. 100125988)
New York State Department of Labor Certified Asbestos Inspector
U.S. EPA Certified Lead-Based Paint Inspector in the State of New York
OSHA 40-Hour Hazardous Waste Operations Certification

Appendix E

Regulatory Database Report

Proposed Battery Storage Project

381 N. Highland Avenue
Ossining, NY 10562

Inquiry Number: 06035780.2r
April 08, 2020

The EDR Radius Map™ Report with GeoCheck®



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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	98
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-20
Physical Setting Source Map Findings	A-22
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

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

381 N. HIGHLAND AVENUE
OSSINING, NY 10562

COORDINATES

Latitude (North):	41.1847070 - 41° 11' 4.94"
Longitude (West):	73.8740260 - 73° 52' 26.49"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	594434.7
UTM Y (Meters):	4559660.5
Elevation:	88 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5940135 OSSINING, NY
Version Date:	2013
West Map:	5939743 HAVERSTRAW, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
381 N. HIGHLAND AVENUE
OSSINING, NY 10562

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	POLE	381 NORTH HIGHLAND A	NY Spills		TP
A2	CON EDISON	381 N HIGHLAND AVE	FINDS, ECHO		TP
A3	CON EDISON	381 N HIGHLAND AVE	RCRA NonGen / NLR, MANIFEST		TP
Reg	HUDSON RIVER PCBS	NO STREET APPLICABLE	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	921, 0.174, WSW
B4	ZAN USA TANKER ROLLO	RT 9 & RT 9A	NY Spills	Lower	220, 0.042, East
B5	KILLBROOK	RTE 9A	NY Spills	Lower	246, 0.047, East
B6	RT. 9 & 9A INTERSECT	RT 9 & RT 9A	NY Spills	Lower	313, 0.059, ENE
7	POLE W-3	STANLEY AVE	NY Spills	Lower	481, 0.091, NNE
8	GUZZI - TTF	15 STANLEY AVE	LTANKS	Higher	536, 0.102, NE
9	CON EDSION	RT 9 & OLD ALBANY PO	NY Spills	Higher	567, 0.107, ESE
C10	OUTSIDE	1 OLD ALBANY POST RD	NY Spills	Higher	567, 0.107, East
C11	GONZALAS HOME	4 OLD ALBANY POST RO	LTANKS	Lower	717, 0.136, East
12	ANTHONY L. FIORITO,	100 CROTON RIVER ROA	UST, AST	Lower	749, 0.142, NNE
13	WATSKY & DAMM INC	37A OLD ALBANY POST	EDR Hist Auto	Higher	803, 0.152, NE
14	MESA RESIDENCE	13 OLD ALBANY POST R	RCRA NonGen / NLR, FINDS, ECHO, MANIFEST	Higher	870, 0.165, ENE
D15	BRIARCLIFF WOODS #8	BRIARCLIFF DRIVE SOU	LTANKS	Higher	1264, 0.239, ESE
D16	CONDO	BRIARCLIFF DRIVE SOU	LTANKS	Higher	1264, 0.239, ESE
D17	POOLHOUSE TANK	BRIARCLIFF DRIVE SOU	LTANKS	Higher	1264, 0.239, ESE
D18	BRIARCLIFF WOODS CON	BRIARCLIFF DRIVE SOU	LTANKS	Higher	1264, 0.239, ESE
D19	BRAIRCLIFF WOODS ASS	OFF OGDEN ROAD	LTANKS	Higher	1264, 0.239, ESE
20	STRACKER RESIDENCE	71 AUDUBON DRIVE	LTANKS	Higher	1536, 0.291, ESE
21	SPILL NUMBER 9907093	103 NARRAGANSETT AVE	LTANKS	Lower	1654, 0.313, West
22	PALUMBO TTF	8 FOWLER AVE	LTANKS	Higher	1667, 0.316, NNE
23	HOSER RESIDENCE	77 OLD ALBANY POST R	LTANKS	Lower	1702, 0.322, NNE
E24	REAL ESTATE TRANS US	22 PIPING ROCK DRIVE	LTANKS	Higher	1772, 0.336, ESE
E25	SPILL NUMBER 0112166	34 PIPING ROCK DR	LTANKS	Higher	1824, 0.345, ESE
E26	YASIN - TTF	33 MEADOWBROOK DR	LTANKS	Higher	1872, 0.355, ESE
F27	RESIDENCE	38 MEADOWBROOK DRIVE	LTANKS	Higher	1919, 0.363, ESE
E28	KATHY MOREHOUSE	34 MEADOWBROOK DR	LTANKS	Higher	1959, 0.371, ESE
29	INDIAN BROOK	25 FOWLER AVE	LTANKS, CBS, NY Spills	Higher	2055, 0.389, NE
30	MCKENZIE RESIDENCE	38 AUDUBON DRIVE	LTANKS	Higher	2145, 0.406, SE
G31	REAL ESTATE - TTF	149 CEDAR LANE	LTANKS	Higher	2169, 0.411, ESE
F32	BASLER RESIDENCE	90 CEDAR LANE	LTANKS	Higher	2174, 0.412, ESE
G33	CRUZ RESIDENCE	145 CEDAR LANE	LTANKS, NY Spills	Higher	2252, 0.427, SE
34	SPILL NUMBER 9806445	112 CEDAR LN	LTANKS	Higher	2320, 0.439, East
35	RESIDENCE	13 MEADOWBROOK DRIVE	LTANKS	Higher	2331, 0.441, SE
36	MARIANDALE	299 NORTH HIGHLAND A	LTANKS, NY Spills	Higher	2335, 0.442, SSE
G37	HOULIHAN RESIDENCE	80 CEDAR LN	LTANKS	Higher	2365, 0.448, ESE
H38	SPALL RESIDENCE	1 HILLSIDE TERRACE	LTANKS	Higher	2414, 0.457, SE

MAPPED SITES SUMMARY

Target Property Address:
381 N. HIGHLAND AVENUE
OSSINING, NY 10562

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	HOMEOWNER TTF	78 CEDAR LANE	LTANKS	Higher	2432, 0.461, SE
40	RESIDENCE	95 QUAKER BRIDGE RD	LTANKS	Higher	2434, 0.461, NNE
H41	FITZPATRICK	15 CEDAR LANE TERRAC	LTANKS, NY Spills	Higher	2475, 0.469, SE
42	VANCORTLAND MANOR	500 SOUTH RIVERSIDE	LTANKS	Lower	2499, 0.473, NNW
I43	RUSSO RESIDENCE	22 MCCARTHY DRIVE	LTANKS	Higher	2518, 0.477, ESE
44	GE FACILITY	OLD ALBANY POST ROAD	LTANKS	Higher	2534, 0.480, NE
I45	TOMASULO RESIDENCE	20 MCCARTHY DRIVE	LTANKS	Higher	2557, 0.484, ESE
46	KUTAY RESIDENCE	36 MCCARTHY DRIVE	LTANKS	Higher	2615, 0.495, ESE
47	RESIDENCE	16 MCCARTHY ROAD	LTANKS	Higher	2628, 0.498, ESE
48	HARMON RAILROAD YARD	HARMON RAILROAD YARD	SHWS	Lower	3954, 0.749, WNW

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
POLE 381 NORTH HIGHLAND A OSSINING, NY	NY Spills Spill Number/Closed Date: 0805447 / 2008-08-20 Site ID: 402548 Spill Date: 2008-08-11	N/A
CON EDISON 381 N HIGHLAND AVE OSSINING, NY 10562	FINDS Registry ID:: 110038894248 ECHO Registry ID: 110038894248	N/A
CON EDISON 381 N HIGHLAND AVE OSSINING, NY 10562	RCRA NonGen / NLR EPA ID:: NYP004160412 MANIFEST EPA ID: NYP004160412	NYP004160412

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

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

EXECUTIVE SUMMARY

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

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

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

SWF/LF..... Facility Register

State and tribal leaking storage tank lists

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

HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

CBS UST..... Chemical Bulk Storage Database

MOSF UST..... Major Oil Storage Facilities Database

MOSF..... Major Oil Storage Facility Site Listing

CBS..... Chemical Bulk Storage Site Listing

CBS AST..... Chemical Bulk Storage Database

MOSF AST..... Major Oil Storage Facilities Database

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

TANKS..... Storage Tank Facility Listing

State and tribal institutional control / engineering control registries

RES DECL..... Restrictive Declarations Listing

ENG CONTROLS..... Registry of Engineering Controls

INST CONTROL..... Registry of Institutional Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Agreements

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

EXECUTIVE SUMMARY

ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Registered Recycling Facility List
SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
DEL SHWS..... Delisted Registry Sites
US CDL..... National Clandestine Laboratory Register
PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST..... Historical Petroleum Bulk Storage Database
HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS..... Spill Liens Information
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NY Hist Spills..... SPILLS Database

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
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System

EXECUTIVE SUMMARY

ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
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
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Air Emissions Data
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Registered Drycleaners
E DESIGNATION.....	E DESIGNATION SITE LISTING
Financial Assurance.....	Financial Assurance Information Listing
HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
SPDES.....	State Pollutant Discharge Elimination System
VAPOR REOPENED.....	Vapor Intrusion Legacy Site List
UIC.....	Underground Injection Control Wells
COOLING TOWERS.....	Registered Cooling Towers
MINES MRDS.....	Mineral Resources Data System

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

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 NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON RIVER PCBS Cerclis ID:: 202229 EPA Id: NYD980763841	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

Federal CERCLIS list

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

A review of the SEMS list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON RIVER PCBS Site ID: 0202229 EPA Id: NYD980763841	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

Federal RCRA generators list

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/16/2019 has revealed that there is 1 RCRA-LQG 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>
HUDSON RIVER PCBS	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

EXECUTIVE SUMMARY

EPA ID:: NYD980763841

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 11/22/2019 has revealed that there is 1 US ENG CONTROLS 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>
HUDSON RIVER PCBS EPA ID:: NYD980763841 EPA ID:: NYD980763841	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

US INST 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.

A review of the US INST CONTROLS list, as provided by EDR, and dated 11/22/2019 has revealed that there is 1 US INST CONTROLS 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>
HUDSON RIVER PCBS EPA ID:: NYD980763841	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

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 Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 11/11/2019 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HARMON RAILROAD YARD Site Code: 56080	HARMON RAILROAD YARD	WNW 1/2 - 1 (0.749 mi.)	48	95

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 11/11/2019 has revealed that there are 35 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GUZZI - TTF Spill Number/Closed Date: 1411142 / 2015-06-11 Site ID: 504893 Spill Date: 2015-02-23	15 STANLEY AVE	NE 0 - 1/8 (0.102 mi.)	8	37
BRIARCLIFF WOODS #8 Spill Number/Closed Date: 0503999 / 2005-11-13 Site ID: 348711 Spill Date: 2005-07-05	BRIARCLIFF DRIVE SOU	ESE 1/8 - 1/4 (0.239 mi.)	D15	49
CONDO Spill Number/Closed Date: 0514320 / 2006-11-19 Site ID: 361012 Spill Date: 2006-03-15	BRIARCLIFF DRIVE SOU	ESE 1/8 - 1/4 (0.239 mi.)	D16	50
POOLHOUSE TANK Spill Number/Closed Date: 0504056 / 2005-11-13 Site ID: 348789 Spill Date: 2005-07-06	BRIARCLIFF DRIVE SOU	ESE 1/8 - 1/4 (0.239 mi.)	D17	51
BRIARCLIFF WOODS CON Spill Number/Closed Date: 0603355 / 2006-11-19 Site ID: 366060 Spill Date: 2006-06-27	BRIARCLIFF DRIVE SOU	ESE 1/8 - 1/4 (0.239 mi.)	D18	52
BRIARCLIFF WOODS ASS Spill Number/Closed Date: 9105430 / 1991-08-29 Site ID: 206074 Spill Date: 1991-08-05	OFF OGDEN ROAD	ESE 1/8 - 1/4 (0.239 mi.)	D19	53
STRACKER RESIDENCE Spill Number/Closed Date: 0705801 / 2008-01-25 Site ID: 386179 Spill Date: 2007-08-15	71 AUDUBON DRIVE	ESE 1/4 - 1/2 (0.291 mi.)	20	54
PALUMBO TTF Spill Number/Closed Date: 1303041 / 2013-07-31 Site ID: 483507 Spill Date: 2013-06-20	8 FOWLER AVE	NNE 1/4 - 1/2 (0.316 mi.)	22	57
REAL ESTATE TRANS US Spill Number/Closed Date: 1310505 / 2014-06-04 Site ID: 491357 Spill Date: 2014-01-31	22 PIPING ROCK DRIVE	ESE 1/4 - 1/2 (0.336 mi.)	E24	59
SPILL NUMBER 0112166 Spill Number/Closed Date: 0112166 / 2002-05-01 Site ID: 66730 Spill Date: 2002-03-26	34 PIPING ROCK DR	ESE 1/4 - 1/2 (0.345 mi.)	E25	61
YASIN - TTF	33 MEADOWBROOK DR	ESE 1/4 - 1/2 (0.355 mi.)	E26	62

EXECUTIVE SUMMARY

Spill Number/Closed Date: 0108809 / 2005-04-02 Site ID: 197472 Spill Date: 2001-12-04					
RESIDENCE	38 MEADOWBROOK DRIVE	ESE 1/4 - 1/2 (0.363 mi.)	F27	62	
Spill Number/Closed Date: 0410445 / 2005-09-11 Site ID: 335427 Spill Date: 2004-12-20					
KATHY MOREHOUSE	34 MEADOWBROOK DR	ESE 1/4 - 1/2 (0.371 mi.)	E28	64	
Spill Number/Closed Date: 0111198 / 2010-05-13 Site ID: 139948 Spill Date: 2002-02-25					
INDIAN BROOK	25 FOWLER AVE	NE 1/4 - 1/2 (0.389 mi.)	29	65	
Spill Number/Closed Date: 0801486 / 2008-07-21 Spill Number/Closed Date: 1007653 / 2011-10-27 Site ID: 397419 Site ID: 441082 Spill Date: 2008-05-07 Spill Date: 2010-10-19					
MCKENZIE RESIDENCE	38 AUDUBON DRIVE	SE 1/4 - 1/2 (0.406 mi.)	30	69	
Spill Number/Closed Date: 1113056 / 2012-04-02 Site ID: 461027 Spill Date: 2012-02-15					
REAL ESTATE - TTF	149 CEDAR LANE	ESE 1/4 - 1/2 (0.411 mi.)	G31	70	
Spill Number/Closed Date: 1811525 / 2019-06-06 Site ID: 582468 Spill Date: 2019-02-15					
BASLER RESIDENCE	90 CEDAR LANE	ESE 1/4 - 1/2 (0.412 mi.)	F32	71	
Spill Number/Closed Date: 0304917 / 2003-08-20 Site ID: 199499 Spill Date: 2003-08-08					
CRUZ RESIDENCE	145 CEDAR LANE	SE 1/4 - 1/2 (0.427 mi.)	G33	73	
Spill Number/Closed Date: 0607421 / 2006-10-03 Site ID: 371140 Spill Date: 2006-09-28					
SPILL NUMBER 9806445	112 CEDAR LN	E 1/4 - 1/2 (0.439 mi.)	34	75	
Spill Number/Closed Date: 9806445 / 1998-10-13 Site ID: 75212 Spill Date: 1998-08-25					
RESIDENCE	13 MEADOWBROOK DRIVE	SE 1/4 - 1/2 (0.441 mi.)	35	76	
Spill Number/Closed Date: 0409121 / 2005-04-02 Site ID: 333775 Spill Date: 2004-11-16					
MARIANDALE	299 NORTH HIGHLAND A	SSE 1/4 - 1/2 (0.442 mi.)	36	77	
Spill Number/Closed Date: 9903378 / 2008-09-30 Site ID: 304918 Spill Date: 1999-06-24					
HOULIHAN RESIDENCE	80 CEDAR LN	ESE 1/4 - 1/2 (0.448 mi.)	G37	79	
Spill Number/Closed Date: 0505388 / 2006-11-19 Site ID: 350390 Spill Date: 2005-07-27					
SPALL RESIDENCE	1 HILLSIDE TERRACE	SE 1/4 - 1/2 (0.457 mi.)	H38	81	

EXECUTIVE SUMMARY

Spill Number/Closed Date: 0511909 / 2006-11-19 Site ID: 358149 Spill Date: 2006-01-16				
HOMEOWNER TTF	78 CEDAR LANE	SE 1/4 - 1/2 (0.461 mi.)	39	82
Spill Number/Closed Date: 0405289 / 2012-08-14 Site ID: 152276 Spill Date: 2004-08-13				
RESIDENCE	95 QUAKER BRIDGE RD	NNE 1/4 - 1/2 (0.461 mi.)	40	84
Spill Number/Closed Date: 9704994 / 1998-05-18 Site ID: 176210 Spill Date: 1997-07-25				
FITZPATRICK	15 CEDAR LANE TERRAC	SE 1/4 - 1/2 (0.469 mi.)	H41	86
Spill Number/Closed Date: 1204302 / 2012-10-16 Site ID: 467183 Spill Date: 2012-07-31				
RUSSO RESIDENCE	22 MCCARTHY DRIVE	ESE 1/4 - 1/2 (0.477 mi.)	I43	89
Spill Number/Closed Date: 0205915 / 2003-08-26 Site ID: 160848 Spill Date: 2002-09-07				
GE FACILITY	OLD ALBANY POST ROAD	NE 1/4 - 1/2 (0.480 mi.)	44	91
Spill Number/Closed Date: 0411593 / 2005-02-15 Site ID: 336821 Spill Date: 2005-01-26				
TOMASULO RESIDENCE	20 MCCARTHY DRIVE	ESE 1/4 - 1/2 (0.484 mi.)	I45	92
Spill Number/Closed Date: 0311772 / 2004-11-27 Site ID: 237744 Spill Date: 2004-01-20				
KUTAY RESIDENCE	36 MCCARTHY DRIVE	ESE 1/4 - 1/2 (0.495 mi.)	46	93
Spill Number/Closed Date: 0311506 / 2004-05-04 Site ID: 104843 Spill Date: 2004-01-12				
RESIDENCE	16 MCCARTHY ROAD	ESE 1/4 - 1/2 (0.498 mi.)	47	94
Spill Number/Closed Date: 0410864 / 2005-02-27 Site ID: 335931 Spill Date: 2005-01-04				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GONZALAS HOME	4 OLD ALBANY POST RO	E 1/8 - 1/4 (0.136 mi.)	C11	41
Spill Number/Closed Date: 0514159 / 2006-06-23 Site ID: 360814 Spill Date: 2006-03-10				
SPILL NUMBER 9907093	103 NARRAGANSETT AVE	W 1/4 - 1/2 (0.313 mi.)	21	56
Spill Number/Closed Date: 9907093 / 1999-11-18 Site ID: 121526 Spill Date: 1999-09-14				
HOSER RESIDENCE	77 OLD ALBANY POST R	NNE 1/4 - 1/2 (0.322 mi.)	23	58
Spill Number/Closed Date: 9406526 / 1995-02-12 Site ID: 167611 Spill Date: 1994-08-14				
VANCORTLAND MANOR	500 SOUTH RIVERSIDE	NNW 1/4 - 1/2 (0.473 mi.)	42	88

EXECUTIVE SUMMARY

Spill Number/Closed Date: 9913924 / 2002-12-26

Site ID: 249811

Spill Date: 2000-03-09

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 Petroleum Bulk Storage (PBS) Database

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANTHONY L. FIORITO, Database: WESTCHESTER CO. UST, Date of Government Version: 01/31/2020 Status: 3. Closed - Removed Id/Status:: 3-447927 Site Status: Active	100 CROTON RIVER ROA	NNE 1/8 - 1/4 (0.142 mi.)	12	42

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANTHONY L. FIORITO, Database: WESTCHESTER CO. AST, Date of Government Version: 01/31/2020 Status: 1. In-Service Status: 2. Temporarily out of service PBS Number: 3-447927	100 CROTON RIVER ROA	NNE 1/8 - 1/4 (0.142 mi.)	12	42

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/11/2019 has revealed that there are 6 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDSION	RT 9 & OLD ALBANY PO	ESE 0 - 1/8 (0.107 mi.)	9	39

EXECUTIVE SUMMARY

Spill Number/Closed Date: 8710782 / 1988-03-25

Site ID: 65539

Spill Date: 1988-03-25

OUTSIDE	1 OLD ALBANY POST RD	E 0 - 1/8 (0.107 mi.)	C10	40
Spill Number/Closed Date: 1207157 / 2012-10-19				
Site ID: 470194				
Spill Date: 2012-10-13				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ZAN USA TANKER ROLLO Spill Number/Closed Date: 0404338 / 2005-01-10 Site ID: 261835 Spill Date: 2004-07-22	RT 9 & RT 9A	E 0 - 1/8 (0.042 mi.)	B4	33
KILLBROOK Spill Number/Closed Date: 8604511 / 1987-03-24 Site ID: 260974 Spill Date: 1986-10-15	RTE 9A	E 0 - 1/8 (0.047 mi.)	B5	34
RT. 9 & 9A INTERSECT Spill Number/Closed Date: 8401123 / 1992-06-01 Site ID: 257267 Spill Date: 1984-07-25	RT 9 & RT 9A	ENE 0 - 1/8 (0.059 mi.)	B6	35
POLE W-3 Spill Number/Closed Date: 0003063 / 2000-06-12 Site ID: 330756 Spill Date: 2000-06-12	STANLEY AVE	NNE 0 - 1/8 (0.091 mi.)	7	36

Other Ascertainable Records

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

A review of the ROD list, as provided by EDR, and dated 01/30/2020 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON RIVER PCBS EPA ID:: NYD980763841	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2019 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HUDSON RIVER PCBS	NO STREET APPLICABLE	WSW 1/8 - 1/4 (0.174 mi.)	0	11

EXECUTIVE SUMMARY

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

A review of the MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 MANIFEST 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>
MESA RESIDENCE EPA ID: NYR000062810	13 OLD ALBANY POST R	ENE 1/8 - 1/4 (0.165 mi.)	14	46

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 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WATSKY & DAMM INC	37A OLD ALBANY POST	NE 1/8 - 1/4 (0.152 mi.)	13	45

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

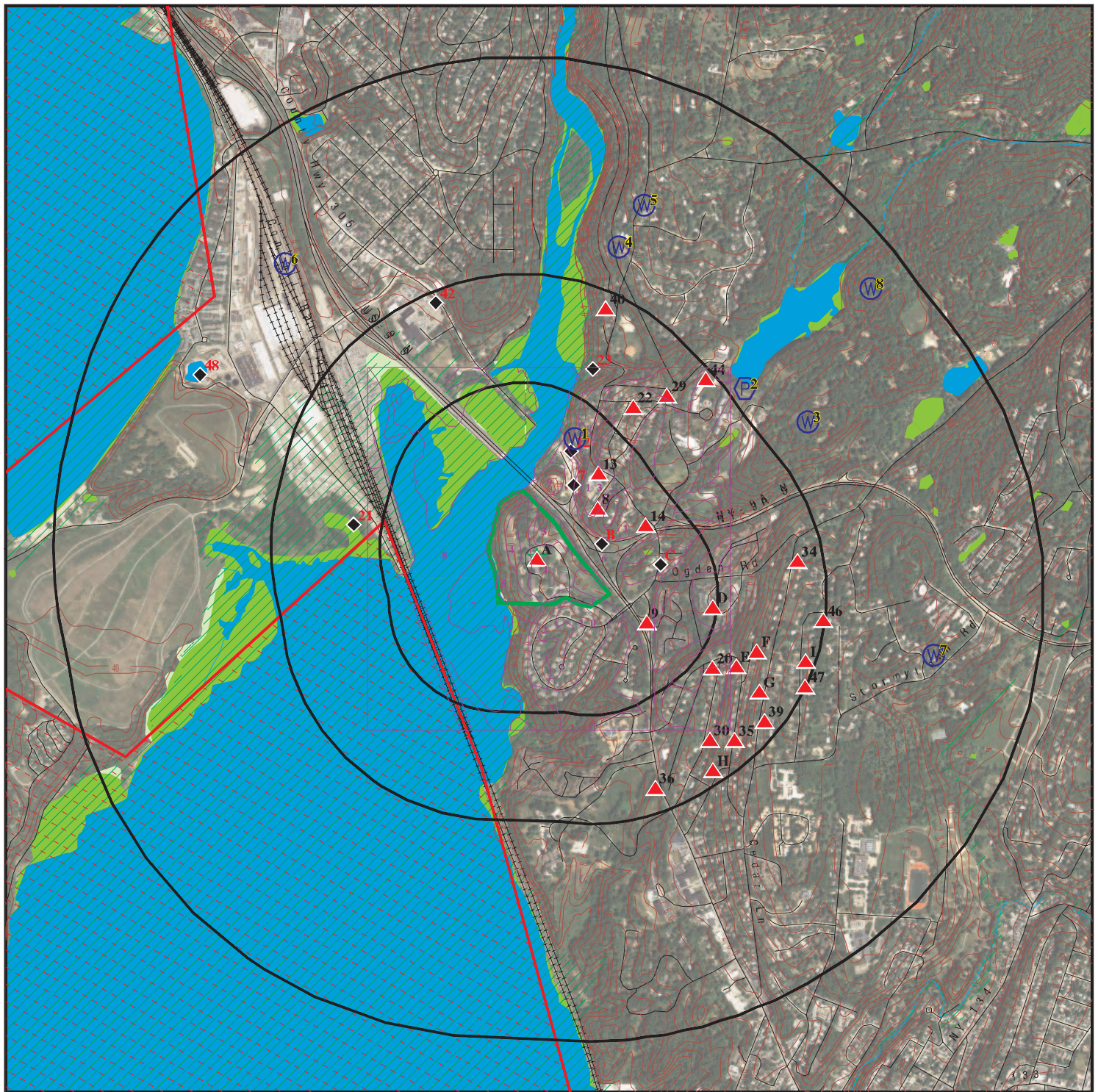
Site Name

VIJI DRY CLEANING & LAUNDRY
EMTEE/D&D CLEANERS
KATONAH MANAGEMENT - TTF
ST AUGUSTINE CHURCH
BRIAR CLIFF WOODS B9
BELL ATLANTIC DIVESTITURE

Database(s)

DRYCLEANERS
DRYCLEANERS
LTANKS
LTANKS
LTANKS
VCP

OVERVIEW MAP - 06035780.2R



-  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
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  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: Proposed Battery Storage Project
 ADDRESS: 381 N. Highland Avenue
 Ossining NY 10562
 LAT/LONG: 41.184707 / 73.874026

CLIENT: EBI Consulting
 CONTACT: API User
 INQUIRY #: 06035780.2r
 DATE: April 08, 2020 5:20 pm

DETAIL MAP - 06035780.2R



 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

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 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: Proposed Battery Storage Project
ADDRESS: 381 N. Highland Avenue
Ossining NY 10562
LAT/LONG: 41.184707 / 73.874026

CLIENT: EBI Consulting
CONTACT: API User
INQUIRY #: 06035780.2r
DATE: April 08, 2020 5:22 pm

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	1	0	0	NR	1
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	1.000		0	0	0	0	NR	0
SEMS	0.500		0	1	0	NR	NR	1
<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	1	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	1	0	NR	NR	1
US INST CONTROLS	0.500		0	1	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	0.125		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	1	NR	1
<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>								
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		1	6	28	NR	NR	35
HIST LTANKS	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		0	1	NR	NR	NR	1
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
AST	0.250		0	1	NR	NR	NR	1
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
RES DECL	0.180		0	0	NR	NR	NR	0
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								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ERP	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								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	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
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	6	NR	NR	NR	NR	7
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	TP	1	NR	NR	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
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	1	0	0	NR	1
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	1	0	0	NR	1
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	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
E DESIGNATION	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	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
MANIFEST	0.250	1	0	1	NR	NR	NR	2
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
COOLING TOWERS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	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	0.250		0	1	NR	NR	NR	1
EDR Hist Cleaner	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	1.000		0	0	0	0	NR	0
RGA LF	0.500		0	0	0	NR	NR	0

- Totals --		5	7	17	28	1	0	58
-------------	--	---	---	----	----	---	---	----

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

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

POLE
381 NORTH HIGHLAND AVE
OSSINING, NY

NY Spills S109155592
N/A

Site 1 of 3 in cluster A

Actual:
88 ft.

SPILLS:

Name: POLE
Address: 381 NORTH HIGHLAND AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0805447 / 2008-08-20
Facility ID: 0805447
Facility Type: ER
DER Facility ID: 351754
Site ID: 402548
DEC Region: 3
Spill Cause: Other
Spill Class: C4
SWIS: 6042
Spill Date: 2008-08-11
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2008-08-11
CID: 408
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-08-11
Spill Record Last Update: 2008-08-20
Spiller Name: ERTSDESK
Spiller Company: POLE
Spiller Address: 381 NORTH HIGHLAND AVE
Spiller Company: 001
Contact Name: ERTSDESK
DEC Memo: ""
Remarks: "LIGHTING STRUCK POLE; NOT YET CLEANED;"

All Materials:

Site ID: 402548
Operable Unit ID: 1159300
Operable Unit: 01
Material ID: 2150418
Material Code: 0020A
Material Name: transformer oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 2.00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2
Target
Property

CON EDISON
381 N HIGHLAND AVE
OSSINING, NY 10562

FINDS
ECHO

1012106019
N/A

Site 2 of 3 in cluster A

Actual:
88 ft.

FINDS:

Registry ID: 110038894248
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110038894248

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: 1012106019
Registry ID: 110038894248
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110038894248>
Name: CON EDISON
Address: 381 N HIGHLAND AVE
City,State,Zip: OSSINING, NY 10562

A3
Target
Property

CON EDISON
381 N HIGHLAND AVE
OSSINING, NY 10562

RCRA NonGen / NLR
MANIFEST

1012185238
NYP004160412

Site 3 of 3 in cluster A

Actual:
88 ft.

RCRA NonGen / NLR:

Date form received by agency: 2016-06-01 00:00:00.0
Facility name: CON EDISON
Facility address: 381 N HIGHLAND AVE
OSSINING, NY 10562
EPA ID: NYP004160412
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: DAVID DUKE
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 917-559-8971
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CON EDISON (Continued)

1012185238

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: 2008-08-11 00:00:00.0
Site name: CON EDISON
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

Name: CONSOLIDATED EDISON
Address: 381 N HIGHLAND AVE
City,State,Zip: OSSINING, NY 10562
Country: USA
EPA ID: NYP004160412
Facility Status: Not reported
Location Address 1: 381 HIGHLAND AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: OSSINING
Location State: NY
Location Zip: 10562
Location Zip 4: Not reported

NY MANIFEST:

EPAID: NYP004160412
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLYN MURRAY
Mailing Address 1: 4 IRVING PLACERM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124602808

NY MANIFEST:

Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2008
Trans1 State ID: NJD003812047
Trans2 State ID: NJD003812047
Generator Ship Date: 08/11/2008
Trans1 Recv Date: 08/11/2008
Trans2 Recv Date: 08/18/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CON EDISON (Continued)

1012185238

TSD Site Recv Date: 08/20/2008
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004160412
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID 1: NYD049836679
TSD ID 2: Not reported
Manifest Tracking Number: 000416372GBF
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H132
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 727.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 9.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Waste Code: B007
Waste Code 1_2: Not reported
Waste Code 1_3: Not reported
Waste Code 1_4: Not reported
Waste Code 1_5: Not reported
Waste Code 1_6: Not reported

NPL
Region
WSW
1/8-1/4
921 ft.

HUDSON RIVER PCBS
NO STREET APPLICABLE
HUDSON RIVER, NY 12801

NPL 1000384273
SEMS NYD980763841
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
NY Spills
ROD
PRP
CONSENT

NPL:

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
EPA Region: 2
Federal: N
Final Date: 1984-09-21 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Site ID: 202229
Latitude: 43.110199999999999
Site Score: 54.659999999999997
Longitude: -73.576499999999996

NPL:

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 0

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

NPL:

EPA ID: NYD980763841
Site ID: 0202229
Site Status: F
Federal Site: N
EPA Region: 02
Date Proposed: 09/08/83
Date Deleted: Not reported
Date Finalized: 09/21/84

NPL:

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: AIR PATHWAY
Scoring: 4

EPA ID: NYD980763841
NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL:

EPA ID: NYD980763841
Summary: Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

1.1 million pounds of PCBs into this st

EPA ID: NYD980763841
Summary: stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million (ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when the

EPA ID: NYD980763841
Summary: level of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabilize the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act (CWA) that inc

EPA ID: NYD980763841
Summary: luded the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authorize a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evalu

EPA ID: NYD980763841
Summary: ating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action at

EPA ID: NYD980763841
Summary: the remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for parties

EPA ID: NYD980763841
Summary: potentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

NPL:
EPA ID: NYD980763841
NPL Status: Final
Proposed Date: 09/08/1983
Final Date: 09/21/1984
Deleted Date: Not reported

NPL:
EPA ID: NYD980763841
NPL Name: HUDSON RIVER PCBS

SEMS:
Site ID: 0202229
EPA ID: NYD980763841
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12871-2834

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Cong District: 21
FIPS Code: 36115
Latitude: +43.110200
Longitude: -073.576500
FF: N
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1983-09-01 04:00:00
Finish Date: 9/1/1983 4:00:00 AM
Qual: L
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 2
Start Date: 1989-02-02 05:00:00
Finish Date: 6/5/1989 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: CO
Action Name: RI/FS
SEQ: 1
Start Date: 1984-03-30 06:00:00
Finish Date: 9/25/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

NPL: F
FF: N
OU: 03
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1992-11-19 05:00:00
Finish Date: 12/1/1992 5:00:00 AM
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 2
Start Date: 2002-03-25 05:00:00
Finish Date: 11/2/2006 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1983-09-08 04:00:00
Finish Date: 9/8/1983 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: CR
Action Name: CI
SEQ: 3
Start Date: 2005-11-07 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 1
Start Date: 1995-09-29 04:00:00
Finish Date: 9/20/2005 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 03
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1999-10-06 04:00:00
Finish Date: 9/14/2001 4:00:00 AM
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: SS
Action Name: ESI RI
SEQ: 1
Start Date: 2002-06-30 04:00:00
Finish Date: 8/31/2005 4:00:00 AM
Qual: W
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 1
Start Date: 2012-06-01 05:00:00
Finish Date: 6/1/2012 5:00:00 AM
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	2
Start Date:	2000-03-28 05:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	4
Start Date:	1998-10-14 04:00:00
Finish Date:	1/7/1999 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RA
Action Name:	RA
SEQ:	3
Start Date:	2008-12-04 05:00:00
Finish Date:	12/23/2009 5:00:00 AM
Qual:	FR
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Start Date: 1983-08-01 04:00:00
Finish Date: 9/1/1983 4:00:00 AM
Qual: H
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: MA
Action Name: ST COOP
SEQ: 2
Start Date: 1991-02-22 05:00:00
Finish Date: 4/3/2007 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 1992-04-24 04:00:00
Finish Date: Not reported
Qual: E
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: CO
Action Name: RI/FS
SEQ: 2
Start Date: 1990-07-25 04:00:00
Finish Date: 2/1/2002 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1984-09-21 05:00:00
Finish Date: 9/21/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 1990-04-17 04:00:00
Finish Date: 8/21/1990 4:00:00 AM
Qual: S
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1984-09-25 05:00:00
Finish Date: 9/25/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 2002-02-01 05:00:00
Finish Date: 2/1/2002 5:00:00 AM
Qual: R
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

NPL:	F
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1991-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	03
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	3
Start Date:	1998-06-03 04:00:00
Finish Date:	6/24/1999 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1983-07-01 04:00:00
Finish Date:	7/1/1983 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	RA
Action Name:	RA
SEQ:	2
Start Date:	2008-05-09 04:00:00
Finish Date:	11/24/2009 5:00:00 AM
Qual:	FR
Current Action Lead:	EPA Perf
Region:	02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 2
Start Date: 2016-03-29 04:00:00
Finish Date: 4/11/2019 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 2
Start Date: 1989-09-27 04:00:00
Finish Date: 9/28/1990 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: EL
Action Name: PRP CR
SEQ: 1
Start Date: 1989-07-07 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BE
Action Name: PRP RD
SEQ: 4
Start Date: 2003-08-14 04:00:00
Finish Date: 1/25/2008 5:00:00 AM
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	BE
Action Name:	PRP RD
SEQ:	3
Start Date:	2002-07-23 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	BF
Action Name:	PRP RA
SEQ:	3
Start Date:	2005-09-06 04:00:00
Finish Date:	9/4/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	04
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	2008-09-08 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	02
Site ID:	0202229
EPA ID:	NYD980763841
Site Name:	HUDSON RIVER PCBS
NPL:	F
FF:	N
OU:	02
Action Code:	BE
Action Name:	PRP RD
SEQ:	6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Start Date: 2003-08-14 04:00:00
Finish Date: 4/26/2011 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 04
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Date: 2007-09-11 04:00:00
Finish Date: 4/10/2012 4:00:00 AM
Qual: S
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 00
Action Code: PJ
Action Name: RP EM REM
SEQ: 1
Start Date: 2007-08-24 04:00:00
Finish Date: 8/27/2007 4:00:00 AM
Qual: C
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BE
Action Name: PRP RD
SEQ: 1
Start Date: 1989-05-18 04:00:00
Finish Date: 1/7/1991 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Action Code: BF
Action Name: PRP RA
SEQ: 1
Start Date: 1989-10-13 04:00:00
Finish Date: 9/29/1992 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 01
Action Code: BF
Action Name: PRP RA
SEQ: 2
Start Date: 1990-09-28 04:00:00
Finish Date: 9/29/1992 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: BF
Action Name: PRP RA
SEQ: 4
Start Date: 2010-12-31 05:00:00
Finish Date: 4/11/2019 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS
NPL: F
FF: N
OU: 02
Action Code: OM
Action Name: OM
SEQ: 1
Start Date: 2019-04-11 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Ovrsght

Region: 02
Site ID: 0202229
EPA ID: NYD980763841
Site Name: HUDSON RIVER PCBS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

NPL: F
FF: N
OU: 01
Action Code: RD
Action Name: RD
SEQ: 1
Start Date: 1984-09-28 05:00:00
Finish Date: 5/18/1990 4:00:00 AM
Qual: Not reported
Current Action Lead: St Perf

RCRA-LQG:

Date form received by agency: 2018-02-15 00:00:00.0
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Facility address: 446 LOCK 8 WAY
HUDSON FALLS, NY 12839
EPA ID: NYD980763841
Mailing address: RIVER ROAD
BUILDING 5-7W
SCHENECTADY, NY 12345
Contact: ROBERT G GIBSON
Contact address: RIVER ROAD BUILDING 5-7W
SCHENECTADY, NY 12345
Contact country: US
Contact telephone: 518-388-7505
Contact email: BOB.GIBSON@GE.COM
EPA Region: 02
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg 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; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; 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 more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GENERAL ELECTRIC COMPANY
Owner/operator address: 1 RIVER ROAD BUILDING 5-7W
SCHENECTADY, NY 12345
Owner/operator country: US
Owner/operator telephone: 518-388-7505
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: 2007-04-23 00:00:00.
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Owner/operator name: SEE COMMENTS IN SECTION 18
Owner/operator address: LOCK WAY
HUDSON FALLS, NY 12839
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: Other
Owner/Operator Type: Owner
Owner/Op start date: 2007-02-04 00:00:00.
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

Historical Generators:

Date form received by agency: 2014-03-03 00:00:00.0
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Small Quantity Generator

Date form received by agency: 2012-03-01 00:00:00.0
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2010-03-03 00:00:00.0
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2008-08-29 00:00:00.0
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Classification: Large Quantity Generator

Date form received by agency: 2007-01-01 00:00:00.0
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 2006-01-01 00:00:00.0
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Classification: Not a generator, verified

Date form received by agency: 2001-01-01 00:00:00.0

Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA

Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: B002
. Waste name: Petroleum oil or other liquid containing 50 ppm or greater of PCBs, but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

. Waste code: B007
. Waste name: Other PCB wastes, including contaminated soil, solids, sludges, clothing, rags and dredge material.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

Site:

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
Address 2: Not reported
City,State,Zip: HUDSON RIVER, NY 12801
Event Code: Not reported
Action Taken Date: 12/30/2001
EPA ID: NYD980763841
Site ID: 0202229
Action Name: RECORD OF DECISION
Action ID: 002
Operable Unit: 02
Action Completion Date: 02/01/2002
Contaminated Media: Sediment
Engineering Control: Dewatering
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Media:

Engineering Control: Containment, (N.O.S.)
EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 001
Action Completion Date: 09/25/1984
Operable Unit: 01
Action Name: RECORD OF DECISION
Action Taken Date: 09/30/1984

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Engineering Control:	No Action
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Site ID:	0202229
Action ID:	001
Action Completion Date:	09/25/1984
Operable Unit:	01
Action Name:	RECORD OF DECISION
Action Taken Date:	09/30/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Engineering Control:	Revegetation
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Site ID:	0202229
Action ID:	001
Action Completion Date:	09/25/1984
Operable Unit:	01
Action Name:	RECORD OF DECISION
Action Taken Date:	09/30/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Engineering Control:	Slope Stabilization
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Site ID:	0202229
Action ID:	001
Action Completion Date:	09/25/1984
Operable Unit:	01
Action Name:	RECORD OF DECISION
Action Taken Date:	09/30/1984
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Engineering Control:	Dewatering
EPA ID:	NYD980763841
Contaminated Media:	Sediment
Site ID:	0202229
Action ID:	002
Action Completion Date:	02/01/2002
Operable Unit:	02
Action Name:	RECORD OF DECISION
Action Taken Date:	12/30/2001
Event Code:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Engineering Control: Disposal
EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 002
Action Completion Date: 02/01/2002
Operable Unit: 02
Action Name: RECORD OF DECISION
Action Taken Date: 12/30/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Engineering Control: Excavation
EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 002
Action Completion Date: 02/01/2002
Operable Unit: 02
Action Name: RECORD OF DECISION
Action Taken Date: 12/30/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Engineering Control: Solidification/Stabilization (Ex-Situ)
EPA ID: NYD980763841
Contaminated Media: Sediment
Site ID: 0202229
Action ID: 002
Action Completion Date: 02/01/2002
Operable Unit: 02
Action Name: RECORD OF DECISION
Action Taken Date: 12/30/2001
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Engineering Control: Monitoring
EPA ID: NYD980763841
Contaminated Media: Surface Water
Site ID: 0202229
Action ID: 002
Action Completion Date: 02/01/2002
Operable Unit: 02
Action Name: RECORD OF DECISION
Action Taken Date: 12/30/2001
Event Code: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Contact Telephone:	Not reported
Event:	Not reported
Engineering Control:	Natural Attenuation
EPA ID:	NYD980763841
Contaminated Media:	Surface Water
Site ID:	0202229
Action ID:	002
Action Completion Date:	02/01/2002
Operable Unit:	02
Action Name:	RECORD OF DECISION
Action Taken Date:	12/30/2001
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

US INST CONTROLS:

Name:	HUDSON RIVER PCBS
Address:	NO STREET APPLICABLE
Address 2:	Not reported
City,State,Zip:	HUDSON RIVER, NY 12801
EPA ID:	NYD980763841
Site ID:	0202229
Action Name:	RECORD OF DECISION
Action ID:	002
Operable Unit:	02
Action Completion Date:	02/01/2002
Actual Date:	12/30/2001
Contaminated Media:	Surface Water
Institutional Control:	Fishing Advisory
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

SPILLS:

Name:	HUDSON RIVER
Address:	HUDSON RIVER
City,State,Zip:	OSSINING, NY
Spill Number/Closed Date:	0308107 / 2003-10-31
Facility ID:	0308107
Facility Type:	ER
DER Facility ID:	278391
Site ID:	237813
DEC Region:	3
Spill Cause:	Abandoned Drums
Spill Class:	D4
SWIS:	6000
Spill Date:	2003-10-31
Investigator:	rxamato
Referred To:	Not reported
Reported to Dept:	2003-10-31
CID:	297
Water Affected:	HUDSON RIVER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Spill Source: Unknown
Spill Notifier: Federal Government
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2003-10-31
Spill Record Last Update: 2003-11-06
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller Company: 001
Contact Name: PETTY OFFICER HAWKINS
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SMITH 10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak."
Remarks: "CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE"

All Materials:

Site ID: 237813
Operable Unit ID: 874400
Operable Unit: 01
Material ID: 501630
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: 55.00
Units: G
Recovered: .00
Oxygenate: Not reported

ROD:

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)
Operable Unit Number: REMNANT DEPOSIT CAPPING
SEQ ID: 1
Action Completion: 1984-09-25 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12871
EPA ID: NYD980763841
RG: 2
Site ID: 202229
Action: GOVT Decision Document (ROD)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Operable Unit Number: REASSESSMENT RIVER
SEQ ID: 2
Action Completion: 2002-02-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:

PRP Name: DELAWARE AND HUDSON RAILWAY CO INC
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION
NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

CONSENT:

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HUDSON RIVER PCBS (Continued)

1000384273

Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: Not reported
Case Title: Not reported
Court Num: Not reported
District: Not reported
Entered Date: Not reported
Name: US V. GENERAL ELECTRIC COMPANY
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Name: HUDSON RIVER PCBS
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
City,State,Zip: HUDSON RIVER, NY 12801
County: WASHINGTON

B4
East
< 1/8
0.042 mi.
220 ft.

ZAN USA TANKER ROLLOVER
RT 9 & RT 9A
OSSINING, NY

Site 1 of 3 in cluster B

NY Spills **S106720509**
N/A

Relative: SPILLS:
Lower Name: ZAN USA TANKER ROLLOVER
Address: RT 9 & RT 9A
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0404338 / 2005-01-10
Facility ID: 0404338
Facility Type: ER
DER Facility ID: 213825
Site ID: 261835
DEC Region: 3
Spill Cause: Traffic Accident
Spill Class: A2
SWIS: 6042
Spill Date: 2004-07-22
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 2004-07-22
CID: 408
Water Affected: HUDSON RIVER
Spill Source: Commercial Vehicle
Spill Notifier: Police Department

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZAN USA TANKER ROLLOVER (Continued)

S106720509

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-07-22
Spill Record Last Update:	2005-01-10
Spiller Name:	ALEXANDER ZHEGALOR
Spiller Company:	ZAN USA INC
Spiller Address:	410 OCEAN PARKWAY STE 42
Spiller Company:	001
Contact Name:	SARGENT MARIGLIANO
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY/O'DEE 12/2004 Waste generated from the cleanup was disposed by Tri State Environmental, thus ending the cleanup. NFA TG "
Remarks:	"18 WHEELER TANKER OVER TURNED: FLOWING INTO A POND AND INTO THE HUDSON RIVER. THE TANKER IS SPILLING FROM ALL PORTS. THE LOCAL FIRE COMPANY IS ON SITE AND TRYING TO DILUTE IT, CONTROL THE TANKER AND PREVENT FIRE."
All Materials:	
Site ID:	261835
Operable Unit ID:	887538
Operable Unit:	01
Material ID:	488342
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	9000.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

B5
East
< 1/8
0.047 mi.
246 ft.

KILLBROOK
RTE 9A
OSSINING, NY
Site 2 of 3 in cluster B

NY Spills **S102105506**
N/A

Relative:
Lower
Actual:
55 ft.

SPILLS:	
Name:	KILLBROOK
Address:	RTE 9A
City,State,Zip:	OSSINING, NY
Spill Number/Closed Date:	8604511 / 1987-03-24
Facility ID:	8604511
Facility Type:	ER
DER Facility ID:	213133
Site ID:	260974
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	6000
Spill Date:	1986-10-15
Investigator:	dxtraver
Referred To:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KILLBROOK (Continued)

S102105506

Reported to Dept: 1986-10-15
CID: Not reported
Water Affected: KILLBROOK
Spill Source: Unknown
Spill Notifier: Citizen
Cleanup Ceased: 1987-03-24
Cleanup Meets Std: True
Last Inspection: 1987-03-24
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1986-10-16
Spill Record Last Update: 1987-03-31
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller Company: 999
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
TRAVER / / : DEC TO INVESTIGATE. / / : 10/21/86-SPILLER CONTINUING TO
CLEAN UP UNDER DIRECTION OF THE DEC. / / : 10/28/86-SPILLER
MAINTAINING SORBANTS. / / : 12/31/86-SORBANT REMAINS ON STREAM-SLIGHT
SHEEN STILL REMAINS. / / : 3/24/87-SAME ALL 864582-SEE FOR
UPDATES-NFA. "

Remarks:

All Materials:

Site ID: 260974
Operable Unit ID: 901444
Operable Unit: 01
Material ID: 477314
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

**B6
ENE
< 1/8
0.059 mi.
313 ft.**

**RT. 9 & 9A INTERSECTION
RT 9 & RT 9A
OSSINING, NY**

**NY Spills S102104133
N/A**

Site 3 of 3 in cluster B

**Relative:
Lower
Actual:
56 ft.**

SPILLS:
Name: RT. 9 & 9A INTERSECTION
Address: RT 9 & RT 9A
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 8401123 / 1992-06-01
Facility ID: 8401123
Facility Type: ER
DER Facility ID: 213825
Site ID: 257267
DEC Region: 3
Spill Cause: Traffic Accident

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RT. 9 & 9A INTERSECTION (Continued)

S102104133

Spill Class: C3
SWIS: 6042
Spill Date: 1984-07-25
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 1984-07-26
CID: Not reported
Water Affected: CROTON RIVER
Spill Source: Commercial Vehicle
Spill Notifier: DEC
Cleanup Ceased: 1984-08-08
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1991-07-12
Spill Record Last Update: 1996-02-21
Spiller Name: Not reported
Spiller Company: NICHOLAS,INC.
Spiller Address: PO BOX 1022
Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
GHIOSAY / / : ACCORDING TO DOT FILE, SPILLER PAID FOR CLEANUP. "
Remarks: "SEE ATTACHED REPORTS"
All Materials:
Site ID: 257267
Operable Unit ID: 895204
Operable Unit: 01
Material ID: 481895
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 6500.00
Units: G
Recovered: 2000.00
Oxygenate: Not reported

7
NNE
< 1/8
0.091 mi.
481 ft.

**POLE W-3
STANLEY AVE
OSSINING, NY**

**NY Spills S104653589
N/A**

**Relative:
Lower
Actual:
32 ft.**

SPILLS:
Name: POLE W-3
Address: STANLEY AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0003063 / 2000-06-12
Facility ID: 0003063
Facility Type: ER
DER Facility ID: 266035
Site ID: 330756
DEC Region: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POLE W-3 (Continued)

S104653589

Spill Cause: Equipment Failure
Spill Class: C4
SWIS: 6042
Spill Date: 2000-06-12
Investigator: WXWADSWO
Referred To: Not reported
Reported to Dept: 2000-06-12
CID: 257
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2000-06-12
Spill Record Last Update: 2000-06-20
Spiller Name: Not reported
Spiller Company: CON ED
Spiller Address: 4 IRVING PLACE
Spiller Company: 001
Contact Name: CHARLIE MCCARTHY
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WADSWORTH "
Remarks: "leaking transformer - pads are down and cleanup has started ref#131804"

All Materials:

Site ID: 330756
Operable Unit ID: 824561
Operable Unit: 01
Material ID: 551394
Material Code: 0541A
Material Name: dielectric fluid
Case No.: Not reported
Material FA: Petroleum
Quantity: 1.00
Units: G
Recovered: 1.00
Oxygenate: Not reported

**8
NE
< 1/8
0.102 mi.
536 ft.**

**GUZZI - TTF
15 STANLEY AVE
OSSINING, NY**

**LTANKS S117654764
N/A**

**Relative:
Higher
Actual:
110 ft.**

LTANKS:
Name: GUZZI - TTF
Address: 15 STANLEY AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1411142 / 2015-06-11
Facility ID: 1411142
Site ID: 504893
Spill Date: 2015-02-23

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GUZZI - TTF (Continued)

S117654764

Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2015-02-23
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2015-02-23
Spill Record Last Update: 2015-06-11
Spiller Name: JUDY GUZZI
Spiller Company: Judy Guzzi
Spiller Address: 15 STANLEY AVE
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 459734
DEC Memo: "2/23/15- Spoke to contact, Judy. She is realtor. Advised her to provide contact information for owner and to provide what corrective action will be conducted (retest or removal). DT 6/11/2015: UST removed by Envirostar. No evidence of a leak or any significant contamination found. Closure Report/Documentation has been reviewed and entered into DecDocs. Based upon information provided, no further action required at this time. jod"

Remarks: "1000 gallon underground tank test failure; nothing spilled"

All Materials:

Site ID: 504893
Operable Unit ID: 1254225
Operable Unit: 01
Material ID: 2256634
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

9
ESE
< 1/8
0.107 mi.
567 ft.

CON EDSION
RT 9 & OLD ALBANY POST RD
OSSINING, NY

NY Spills S102106317
N/A

Relative:
Higher

Actual:
98 ft.

SPILLS:

Name: CON EDSION
Address: RT 9 & OLD ALBANY POST RD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 8710782 / 1988-03-25
Facility ID: 8710782
Facility Type: ER
DER Facility ID: 62912
Site ID: 65539
DEC Region: 3
Spill Cause: Human Error
Spill Class: B3
SWIS: 6042
Spill Date: 1988-03-25
Investigator: DVWEHRFR
Referred To: Not reported
Reported to Dept: 1988-03-25
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: 1988-03-25
Cleanup Meets Std: True
Last Inspection: 1988-03-25
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2003-12-02
Spill Record Last Update: 2004-07-06
Spiller Name: Not reported
Spiller Company: FRANK ANDERSON
Spiller Address: EMERGENCY SUPERVISOR
Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was WEHRFRITZ "
Remarks: "TRUCK HOOKED POWER CABLE, BROKE IT, ETC... SPILLAGE ONTO SOIL & SHRUBBERY. CON ED ON SCENE & WILL CLEAN UP. N.F.A."

All Materials:

Site ID: 65539
Operable Unit ID: 916655
Operable Unit: 01
Material ID: 462543
Material Code: 0029C
Material Name: hydrogen chloride
Case No.: 07647010
Material FA: Hazardous Material
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported
Site ID: 65539

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CON EDSION (Continued)

S102106317

Operable Unit ID: 916655
Operable Unit: 01
Material ID: 462540
Material Code: 0017A
Material Name: PCB oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 10.00
Units: G
Recovered: .00
Oxygenate: Not reported

C10
East
< 1/8
0.107 mi.
567 ft.

OUTSIDE
1 OLD ALBANY POST RD
OSSINING, NY

NY Spills S112227525
N/A

Site 1 of 2 in cluster C

Relative:
Higher

Actual:
96 ft.

SPILLS:

Name: OUTSIDE
Address: 1 OLD ALBANY POST RD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1207157 / 2012-10-19
Facility ID: 1207157
Facility Type: ER
DER Facility ID: 424488
Site ID: 470194
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: C1
SWIS: 6042
Spill Date: 2012-10-13
Investigator: JKOMARA
Referred To: Not reported
Reported to Dept: 2012-10-19
CID: Not reported
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2012-10-19
Spill Record Last Update: 2015-04-30
Spiller Name: KEVIN SPILLANE
Spiller Company: GE
Spiller Address: 1 OLD ALBANY POST RD
Spiller Company: 999
Contact Name: KEVIN SPILLANE
DEC Memo: "10/19/12 less then 1% solution of an O2 scavenger in the chiller water. Lost about 1700 gallons to a trench cleaned up imeediatly. Exit samples where clean. A delay in reporting was due to a misunderstanding of responseability. I explained will not happen again. NFA JO'M"

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OUTSIDE (Continued)

S112227525

Remarks: "line broke in trench - vac truck was there and took care of flow - clean up complete"

All Materials:

Site ID: 470194
Operable Unit ID: 1220064
Operable Unit: 01
Material ID: 2218667
Material Code: 9999
Material Name: other - chem-aqua 888
Case No.: Not reported
Material FA: Other
Quantity: .97
Units: L
Recovered: Not reported
Oxygenate: Not reported

C11
East
1/8-1/4
0.136 mi.
717 ft.

GONZALAS HOME
4 OLD ALBANY POST ROAD
OSSINING, NY

LTANKS **S107658749**
N/A

Site 2 of 2 in cluster C

Relative:
Lower

LTANKS:

Actual:
87 ft.

Name: GONZALAS HOME
Address: 4 OLD ALBANY POST ROAD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0514159 / 2006-06-23
Facility ID: 0514159
Site ID: 360814
Spill Date: 2006-03-10
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2006-03-10
CID: 444
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-03-10
Spill Record Last Update: 2006-06-23
Spiller Name: MRS GONZALAS
Spiller Company: GONZALAS HOME
Spiller Address: 4 OLD ALBANY POST ROAD
Spiller County: 001
Spiller Contact: MRS GONZALAS
Spiller Phone: (914) 384-0009
Spiller Extention: Not reported
DEC Region: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GONZALAS HOME (Continued)

S107658749

DER Facility ID: 311002
DEC Memo: "03/13/06 : Homeowner has been notified. Homeowner needs to hire a contractor for work. June 23, 2006: ELITE ENVIRONMENTAL REMOVED AND DISPOSED OF TANK. NO EVIDENCE OF LEAK OR CONTAMINATION WAS FOUND. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks: "uncover repair test or remove"

All TTF:

Facility ID: 0514159
Spill Number: 0514159
Spill Tank Test: 1549789
Site ID: 360814
Tank Number: 1
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 360814
Operable Unit ID: 1117929
Operable Unit: 01
Material ID: 2108438
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

12
NNE
1/8-1/4
0.142 mi.
749 ft.

**ANTHONY L. FIORITO, INC.
100 CROTON RIVER ROAD
OSSINING, NY 10562**

UST
AST U003883915
N/A

**Relative:
Lower**

WESTCHESTER CO. UST:

**Actual:
52 ft.**

Name: ANTHONY L. FIORITO, INC.
Address: 100 CROTON RIVER ROAD
City,State,Zip: OSSINING, NY 10562
Id/Status: 3-447927 / Active
Operator Name: Bruce A. Fiorito
Owner Name: Bruce A. Fiorito
Owner Street: 8 Westbrook Court
Owner Address2: Not reported
Owner City: Cortlandt Manor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTHONY L. FIORITO, INC. (Continued)

U003883915

Owner State: NY
Owner Zipcode: 10567
GDS Number: 3554200052

Tank Number: 1
Status: 3. Closed - Removed
Capacity: 3000
Product Stored: Not reported
Product Stored Percent: Not reported
Tank Leak Detection: 99. Other
Date Installation: 03/01/1986
Date Perm Closure: 12/21/1998
Tank Location: 5. Underground including vaulted with no access for inspection
Tank Type: 1. Steel/Carbon steel/iron
Tank Internal Protection: 0. None
Tank External Protection: 0. None
Tank Secondary Containment: 0. None
Piping Location: 0. No Piping
Piping Type: 1. Steel/Carbon/ steel/iron
Piping External Protection: 0. None
Overfill Prevention: 0. None
Piping Secondary Containment: Not reported
Spill Prevention: 0. None
Dispenser: 2. Suction

Tank Number: 2
Status: 3. Closed - Removed
Capacity: 3000
Product Stored: 0009. Gasoline
Product Stored Percent: Not reported
Tank Leak Detection: 4. Groundwater Well
Date Installation: 04/01/1988
Date Perm Closure: 02/24/2004
Tank Location: 5. Underground including vaulted with no access for inspection
Tank Type: 1. Steel/Carbon steel/iron
Tank Internal Protection: 0. None
Tank External Protection: 2. Sacrificial Anode (no retrofit)
Tank Secondary Containment: 4. Double-Walled (underground only)
Piping Location: 0. No Piping
Piping Type: 1. Steel/Carbon/ steel/iron
Piping External Protection: Not reported
Overfill Prevention: 0. None
Piping Secondary Containment: Not reported
Spill Prevention: 0. None
Dispenser: 2. Suction

Tank Number: 3
Status: 3. Closed - Removed
Capacity: 3000
Product Stored: Not reported
Product Stored Percent: Not reported
Tank Leak Detection: 4. Groundwater Well
Date Installation: 04/01/1988
Date Perm Closure: 02/24/2004
Tank Location: 5. Underground including vaulted with no access for inspection

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTHONY L. FIORITO, INC. (Continued)

U003883915

Tank Type: 1. Steel/Carbon steel/Iron
Tank Internal Protection: 0. None
Tank External Protection: 2. Sacrificial Anode (no retrofit)
Tank Secondary Containment: 4. Double-Walled (underground only)
Piping Location: 0. No Piping
Piping Type: 1. Steel/Carbon/ steel/iron
Piping External Protection: Not reported
Overfill Prevention: 0. None
Piping Secondary Containment: Not reported
Spill Prevention: 0. None
Dispenser: 2. Suction

WESTCHESTER CO. AST:

Name: ANTHONY L. FIORITO, INC.
Address: 100 CROTON RIVER ROAD
City,State,Zip: OSSINING, NY 10562
PBS Number: 3-447927
Site Status: Active
GDS Number: 3554200052
Operator Name: Bruce A. Fiorito
Owner Name: Bruce A. Fiorito
Owner Street: 8 Westbrook Court
Owner Address2: Not reported
Owner City/State/Zip: Cortlandt Manor, NY 10567

Tank Number: 4
Status: 1. In-Service
Date Installation: 02/01/2001
Capacity: 2000
Product Stored: 0008. Diesel
Product Stored Percent: Not reported
Date Perm Closure: 01/01/1900
Tank Location: 3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type: 1. Steel/Carbon steel/Iron
Tank Internal Protection: 0. None
Tank External Protection: 1. Painted/Asphalt Coating
Tank Leak Detection: 0. None
Tank Secondary Containment: 1. Diking (aboveground only)
Piping Location: 1. Aboveground
Piping Type: 2. Galvanized Steel
Piping External Protection: 0. None
Piping Leak Detection: 0. None
Piping Secondary Containment: 0. None
Overfill Prevention: 4. Product Level Gauge (Aboveground Only)
Spill Prevention: 1. Catch Basin
Dispenser: 2. Suction

Tank Number: 5
Status: 1. In-Service
Date Installation: 02/01/2001
Capacity: 2000
Product Stored: 0008. Diesel
Product Stored Percent: Not reported
Date Perm Closure: 01/01/1900
Tank Location: 3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type: 1. Steel/Carbon steel/Iron

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANTHONY L. FIORITO, INC. (Continued)

U003883915

Tank Internal Protection: 0. None
Tank External Protection: 1. Painted/Asphalt Coating
Tank Leak Detection: 0. None
Tank Secondary Containment: 1. Diking (aboveground only)
Piping Location: 1. Aboveground
Piping Type: 2. Galvanized Steel
Piping External Protection: 0. None
Piping Leak Detection: 0. None
Piping Secondary Containment: 0. None
Overfill Prevention: 4. Product Level Gauge (Aboveground Only)
Spill Prevention: 1. Catch Basin
Dispenser: 2. Suction

Tank Number: 6
Status: 2. Temporarily out of service
Date Installation: 02/01/2001
Capacity: 1500
Product Stored: 0009. Gasoline
Product Stored Percent: Not reported
Date Perm Closure: 01/01/1900
Tank Location: 3. Aboveground on saddles, legs, stilts, racks or cradle
Tank Type: 1. Steel/Carbon steel/Iron
Tank Internal Protection: 0. None
Tank External Protection: 1. Painted/Asphalt Coating
Tank Leak Detection: 0. None
Tank Secondary Containment: 1. Diking (aboveground only)
Piping Location: 1. Aboveground
Piping Type: 2. Galvanized Steel
Piping External Protection: 0. None
Piping Leak Detection: 0. None
Piping Secondary Containment: 0. None
Overfill Prevention: 4. Product Level Gauge (Aboveground Only)
Spill Prevention: 1. Catch Basin
Dispenser: 2. Suction

13
NE
1/8-1/4
0.152 mi.
803 ft.

WATSKY & DAMM INC
37A OLD ALBANY POST RD
OSSINING, NY 10562

EDR Hist Auto 1020430119
N/A

Relative:
Higher

EDR Hist Auto

Actual:
97 ft.

Year:	Name:	Type:
1992	K S SERVICE CENTER	General Automotive Repair Shops
1993	K S SERVICE CENTER	General Automotive Repair Shops
1994	K S SERVICE CENTER	General Automotive Repair Shops
1995	K S SERVICE CENTER	General Automotive Repair Shops
1996	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1996	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1996	K S SERVICE CENTER	General Automotive Repair Shops
1997	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1997	K S SERVICE CENTER	General Automotive Repair Shops
1997	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1998	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1998	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
1998	K S SERVICE CENTER INC	General Automotive Repair Shops

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WATSKY & DAMM INC (Continued)

1020430119

1999	K S SERVICE CENTER INC	General Automotive Repair Shops
1999	CROTON MOTOR SERVICE INC	General Automotive Repair Shops
2000	K S SERVICE CENTER INC	General Automotive Repair Shops
2001	K S SERVICE CENTER INC	General Automotive Repair Shops
2008	WATSKY & DAMM INC	Gasoline Service Stations
2013	POWERS AUTO CARE LLC	General Automotive Repair Shops
2014	POWERS AUTO CARE LLC	General Automotive Repair Shops

14
ENE
1/8-1/4
0.165 mi.
870 ft.

MESA RESIDENCE
13 OLD ALBANY POST RD
OSSINING, NY 10562

RCRA NonGen / NLR
FINDS
ECHO
MANIFEST

1004760855
NYR000062810

Relative:
Higher
Actual:
88 ft.

RCRA NonGen / NLR:
Date form received by agency: 2007-01-01 00:00:00.0
Facility name: MESA RESIDENCE
Facility address: 13 OLD ALBANY POST RD
OSSINING, NY 10562
EPA ID: NYR000062810
Mailing address: OLD ALBANY POST RD
OSSINING, NY 10562
Contact: URSULA MESA
Contact address: OLD ALBANY POST RD
OSSINING, NY 10562
Contact country: US
Contact telephone: 914-941-1484
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: URSULA MESA
Owner/operator address: 13 OLD ALBANY POST RD
OSSINING, NY 10562
Owner/operator country: US
Owner/operator telephone: 914-941-1484
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: Not reported
Owner/Op end date: Not reported
Owner/operator name: URSULA MESA
Owner/operator address: 13 OLD ALBANY POST RD
OSSINING, NY 10562
Owner/operator country: US
Owner/operator telephone: 914-941-1484
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: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA RESIDENCE (Continued)

1004760855

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

Historical Generators:

Date form received by agency: 2006-01-01 00:00:00.0
Site name: MESA RESIDENCE
Classification: Not a generator, verified

Date form received by agency: 1998-10-29 00:00:00.0
Site name: MESA RESIDENCE
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D003
. Waste name: REACTIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004548286
Facility URL: http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110004548286

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: 1004760855
Registry ID: 110004548286
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110004548286>
Name: MESA RESIDENCE
Address: 13 OLD ALBANY POST RD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA RESIDENCE (Continued)

1004760855

City,State,Zip: OSSINING, NY 10562

NY MANIFEST:

Name: URSULA MESA
Address: 13 OLD ALBANY POST RD
City,State,Zip: OSSINING, NY 10562
Country: USA
EPA ID: NYR000062810
Facility Status: Not reported
Location Address 1: 13 OLD ALBANY POST RD
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: OSSINING
Location State: NY
Location Zip: 10562
Location Zip 4: Not reported

NY MANIFEST:

EPAID: NYR000062810
Mailing Name: URSULA MESA
Mailing Contact: URSULA MESA
Mailing Address 1: 13 OLD ALBANY POST RD
Mailing Address 2: Not reported
Mailing City: OSSINING
Mailing State: NY
Mailing Zip: 10562
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 9149411484

NY MANIFEST:

Document ID: MIA7134295
Manifest Status: Not reported
seq: 01
Year: 1998
Trans1 State ID: P14905ME
Trans2 State ID: Not reported
Generator Ship Date: 12/02/1998
Trans1 Recv Date: 12/02/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/03/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000062810
Trans1 EPA ID: MAD084814136
Trans2 EPA ID: Not reported
TSDF ID 1: MID098011992
TSDF ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESA RESIDENCE (Continued)

1004760855

Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: P098 - POTASSIUM CYANIDE
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00

**D15
ESE
1/8-1/4
0.239 mi.
1264 ft.**

**BRIARCLIFF WOODS #8
BRIARCLIFF DRIVE SOUTH
OSSINING, NY**

**LTANKS S106972140
N/A**

Site 1 of 5 in cluster D

**Relative:
Higher**

LTANKS:

**Actual:
168 ft.**

Name: BRIARCLIFF WOODS #8
Address: BRIARCLIFF DRIVE SOUTH
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0503999 / 2005-11-13
Facility ID: 0503999
Site ID: 348711
Spill Date: 2005-07-05
Spill Cause: Tank Failure
Spill Source: Non Major Facility > 1,100 gal
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: WCDOH
Reported to Dept: 2005-07-05
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-07-05
Spill Record Last Update: 2005-11-13
Spiller Name: BOB MUSUMECI
Spiller Company: BRIER CLIFF WOODS #4
Spiller Address: BRIER CLIFF DRIVE SOUTH
Spiller County: 001
Spiller Contact: BOB MUSUMECI
Spiller Phone: (914) 276-2750
Spiller Extension: Not reported
DEC Region: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIARCLIFF WOODS #8 (Continued)

S106972140

DER Facility ID: 295138
DEC Memo: "November 13, 2005: ENVIROSTAR DISPOSED OF LUST AND 24.84 TONS OF CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks: "HOLES IN TANK FOUND WHILE REMOVING: 2000 GALLON TANK."
All Materials:
Site ID: 348711
Operable Unit ID: 1106362
Operable Unit: 01
Material ID: 1971286
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

**D16
ESE
1/8-1/4
0.239 mi.
1264 ft.**

**CONDO
BRIARCLIFF DRIVE SOUTH
OSSINING, NY**

**LTANKS S107658777
N/A**

Site 2 of 5 in cluster D

**Relative:
Higher
Actual:
168 ft.**

LTANKS:
Name: CONDO
Address: BRIARCLIFF DRIVE SOUTH
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0514320 / 2006-11-19
Facility ID: 0514320
Site ID: 361012
Spill Date: 2006-03-15
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: WCDOH
Reported to Dept: 2006-03-15
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-03-15
Spill Record Last Update: 2006-12-20
Spiller Name: BOB
Spiller Company: CONDO
Spiller Address: BRIER CLIFF DR SOUTH
Spiller County: 001
Spiller Contact: BOB

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONDO (Continued)

S107658777

Spiller Phone: (914) 276-2705
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 295138
DEC Memo: "03/16/06: Pulled tank. Some soil contamination. Have lined pit with plastic. Contract pending for clean up. Katonah Management Group manages condo November 19, 2006: ENVIROSTAR DISPOSED OF LUST AND 51.36 TONS OF CONTAMINATED SOIL. GROUND WATER WAS IMPACTED, MONITORING WELL INSTALLED AND SAMPLED. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod 12/20/06 - Letter from Wayne Schneider, from WCDOH addressed to Bob Musumeci, Katonah Management Group Inc., P. O. Box 1019, 2 Center Street, Croton Falls, NY 10519 informs addressee that no further sampling or remediation is needed at this time. Additionally, WCDOH has requested DEC to close this spill #."
Remarks: "2000 GALLON TANK HAD HOLES AND CONTAMINATION:"

All Materials:

Site ID: 361012
Operable Unit ID: 1118113
Operable Unit: 01
Material ID: 2108629
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

D17
ESE
1/8-1/4
0.239 mi.
1264 ft.

POOLHOUSE TANK
BRIARCLIFF DRIVE SOUTH
OSSINING, NY

LTANKS **S106972693**
N/A

Site 3 of 5 in cluster D

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name: POOLHOUSE TANK
Address: BRIARCLIFF DRIVE SOUTH
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0504056 / 2005-11-13
Facility ID: 0504056
Site ID: 348789
Spill Date: 2005-07-06
Spill Cause: Tank Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: WCDOH
Reported to Dept: 2005-07-06
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POOLHOUSE TANK (Continued)

S106972693

Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-07-06
Spill Record Last Update: 2005-11-13
Spiller Name: BOB MUSUMECI
Spiller Company: POOLHOUSE TANK
Spiller Address: BRIER CLIFF DRIVE SOUTH
Spiller County: 001
Spiller Contact: BOB MUSUMECI
Spiller Phone: (914) 276-2750
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 295138
DEC Memo: "November 13, 2005: ENVIROSTAR DISPOSED OF LUST AND 49.58 TONS OF CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"

Remarks: "FOUND HOLES IN TANK- 550 GALLON TANK"

All Materials:

Site ID: 348789
Operable Unit ID: 1106437
Operable Unit: 01
Material ID: 1971359
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

D18
ESE
1/8-1/4
0.239 mi.
1264 ft.

BRIARCLIFF WOODS CONDO
BRIARCLIFF DRIVE SOUTH
OSSINING, NY

LTANKS **S108059374**
N/A

Site 4 of 5 in cluster D

Relative:
Higher
Actual:
168 ft.

LTANKS:
Name: BRIARCLIFF WOODS CONDO
Address: BRIARCLIFF DRIVE SOUTH
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0603355 / 2006-11-19
Facility ID: 0603355
Site ID: 366060
Spill Date: 2006-06-27
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: WCDOH
Reported to Dept: 2006-06-27
CID: 444

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRIARCLIFF WOODS CONDO (Continued)

S108059374

Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-06-27
Spill Record Last Update: 2006-11-19
Spiller Name: BOB
Spiller Company: BRIARCLIFF WOODS CONDO
Spiller Address: BRIARCLIFF DRIVE SOUTH
Spiller County: 999
Spiller Contact: BOB
Spiller Phone: (914) 864-7914
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 295138
DEC Memo: "November 19, 2006: ENVIROSTAR DISPOSED OF LUST AND 51.36 TONS OF CONTAMINATED SOIL. GROUND WATER WAS IMPACTED, MONITORING WELL INSTALLED AND SAMPLED. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"

Remarks: "BUILDING # 4- 2000 GALLON TANK HAD HOLES AND CONTAMINATED SOIL"

All Materials:

Site ID: 366060
Operable Unit ID: 1124022
Operable Unit: 01
Material ID: 2113502
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

D19
ESE
1/8-1/4
0.239 mi.
1264 ft.

BRAIRCLIFF WOODS ASSOC.
OFF OGDEN ROAD
OSSINING, NY

Site 5 of 5 in cluster D

LTANKS **S100153537**
N/A

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name: BRAIRCLIFF WOODS ASSOC.
Address: OFF OGDEN ROAD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9105430 / 1991-08-29
Facility ID: 9105430
Site ID: 206074
Spill Date: 1991-08-05
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 1953-06-18
SWIS: 6042

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BRAIRCLIFF WOODS ASSOC. (Continued)

S100153537

Investigator: TAYLOR
Referred To: Not reported
Reported to Dept: 1991-08-20
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1991-08-27
Spill Record Last Update: 1992-06-26
Spiller Name: Not reported
Spiller Company: BRIARCLIFF WOODS ASSOC.
Spiller Address: OGDEN RD.
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 171132
DEC Memo: ""
Remarks: "SUSPECT LEAKING DIESEL TANK (550) OR PIPING SAMPLED AND TESTED SOIL
NOACTION TAKEN US HYDRO TO RECOMMENDED TANK REMOVAL SPOKE TO MR
CONRAD LOOKS AS IF THEIR PULLING TANK"

All Materials:
Site ID: 206074
Operable Unit ID: 959610
Operable Unit: 01
Material ID: 421222
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

20
ESE
1/4-1/2
0.291 mi.
1536 ft.

**STRACKER RESIDENCE
71 AUDUBON DRIVE
OSSINING, NY**

**LTANKS S108765598
N/A**

**Relative:
Higher
Actual:
208 ft.**

LTANKS:
Name: STRACKER RESIDENCE
Address: 71 AUDUBON DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0705801 / 2008-01-25
Facility ID: 0705801
Site ID: 386179
Spill Date: 2007-08-15
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STRACKER RESIDENCE (Continued)

S108765598

Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2007-08-21
CID: 408
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2007-08-21
Spill Record Last Update: 2008-01-25
Spiller Name: MICHAEL STRACKER
Spiller Company: PRIVATE HOME
Spiller Address: 71 AUDUBON DRIVE
Spiller County: 001
Spiller Contact: MICHAEL STRACKER
Spiller Phone: (914) 941-4602
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 335564
DEC Memo: "Recommending tank to be removed. 1/25/08 - Dutchess Environmental

Construction removal liquid and sludge, and the tank.
HdyroEnvironmental Solutions, Inc. collected soil samples. A vac
truck was used to remove 60 gal. liquid waste and sludge from the
tank and disposed at Enviro-Waste Oil Recovery. Two composite soil
samples were collected. The sampling results had non detect for
petroleum constituents. The are no impacts from the tank. NFA. KAB"
Remarks: "NONE;"

All TTF:

Facility ID: 0705801
Spill Number: 0705801
Spill Tank Test: 1551092
Site ID: 386179
Tank Number: 1
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 386179
Operable Unit ID: 1143426
Operable Unit: 01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STRACKER RESIDENCE (Continued)

S108765598

Material ID: 2133703
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

21
West
1/4-1/2
0.313 mi.
1654 ft.

SPILL NUMBER 9907093
103 NARRAGANSETT AVE
OSSINING, NY

LTANKS S104620465
N/A

Relative:
Lower

Actual:
3 ft.

LTANKS:
Name: SPILL NUMBER 9907093
Address: 103 NARRAGANSETT AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9907093 / 1999-11-18
Facility ID: 9907093
Site ID: 121526
Spill Date: 1999-09-14
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: D4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 1999-09-14
CID: 312
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1999-09-14
Spill Record Last Update: 1999-11-24
Spiller Name: CONSAGA
Spiller Company: Not reported
Spiller Address: 103 NARRAGANSETT AVE
Spiller County: 001
Spiller Contact: CONSAGA
Spiller Phone: (914) 941-0047
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 105488
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 11/18/99 PASSED RETEST AFTER REFIT; NFA"
Remarks: "FAILED ULLAGE - UNCOVER, REPAIR AND RETEST"
All TTF:
Facility ID: 9907093

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPILL NUMBER 9907093 (Continued)

S104620465

Spill Number: 9907093
Spill Tank Test: 1547621
Site ID: 121526
Tank Number: 001
Tank Size: 550
Material: Not reported
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 20
Test Method 2: USTest 2000/P/LL plus USTest 2000/U
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

**22
NNE
1/4-1/2
0.316 mi.
1667 ft.**

**PALUMBO TTF
8 FOWLER AVE
OSSINING, NY**

**LTANKS S113820334
N/A**

**Relative:
Higher**

**Actual:
155 ft.**

LTANKS:
Name: PALUMBO TTF
Address: 8 FOWLER AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1303041 / 2013-07-31
Facility ID: 1303041
Site ID: 483507
Spill Date: 2013-06-20
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: D3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2013-06-20
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2013-06-20
Spill Record Last Update: 2013-07-31
Spiller Name: DONATO PALUMBO
Spiller Company: DONATO PALUMBO
Spiller Address: 8 FOWLER AVE
Spiller County: 999
Spiller Contact: DONATO PALUMBO
Spiller Phone: (914) 432-5853
Spiller Extention: Not reported
DEC Region: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PALUMBO TTF (Continued)

S113820334

DER Facility ID: 438714
DEC Memo: "6-20-13: V.Mc. call to Mr.DONATO PALUMBO: UST installed 1989/1990.
Tested at req. of poss.buyer. Likely to re-test UST, noted age of UST
as being end of it's expected life time. Provided Dispt.# for callbk
as needed. 7/31/2013: Tank passed a retest after piping was repaired.
Report entered into eDocs. Based upon the information provided, no
further action is required at this time. jod"

Remarks: ""

All TTF:

Facility ID: 1303041
Spill Number: 1303041
Spill Tank Test: 2493621
Site ID: 483507
Tank Number: 0
Tank Size: 999
Material: 9999
EPA UST: False
UST: True
Cause: 99
Source: 00
Test Method: 21
Test Method 2: Horner EZY3/EZY3 Locator Plus
Leak Rate: .99
Gross Fail: Not reported
Modified By: JBODEE
Last Modified Date: Not reported

All Materials:

Site ID: 483507
Operable Unit ID: 1233211
Operable Unit: 01
Material ID: 2232092
Material Code: 9999
Material Name: other - FAILURE
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

23
NNE
1/4-1/2
0.322 mi.
1702 ft.

**HOSER RESIDENCE
77 OLD ALBANY POST ROAD
OSSINING, NY**

**LTANKS S101340295
N/A**

**Relative:
Lower
Actual:
20 ft.**

LTANKS:
Name: HOSER RESIDENCE
Address: 77 OLD ALBANY POST ROAD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9406526 / 1995-02-12
Facility ID: 9406526
Site ID: 167611
Spill Date: 1994-08-14
Spill Cause: Tank Failure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOSER RESIDENCE (Continued)

S101340295

Spill Source: Private Dwelling
Spill Class: B2
Cleanup Ceased: 1995-02-12
SWIS: 6042
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 1994-08-14
CID: Not reported
Water Affected: HUDSON RIVER
Spill Notifier: Police Department
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1994-08-17
Spill Record Last Update: 1995-02-12
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 141229
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
GHIOSAY 02/12/95: HANDLED BY USCG. "
Remarks: "OIL TANK FELL OVER LEAKING OUT OF VENT USCG NOTIFIED WCHD FRANK
GUIDO"
All Materials:
Site ID: 167611
Operable Unit ID: 1000949
Operable Unit: 01
Material ID: 558696
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 200.00
Units: G
Recovered: .00
Oxygenate: Not reported

E24
ESE
1/4-1/2
0.336 mi.
1772 ft.

**REAL ESTATE TRANS UST
22 PIPING ROCK DRIVE
OSSINING, NY**
Site 1 of 4 in cluster E

**LTANKS S116156841
N/A**

**Relative:
Higher
Actual:
242 ft.**

LTANKS:
Name: REAL ESTATE TRANS UST
Address: 22 PIPING ROCK DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1310505 / 2014-06-04
Facility ID: 1310505

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REAL ESTATE TRANS UST (Continued)

S116156841

Site ID: 491357
Spill Date: 2014-01-31
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2014-02-02
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2014-02-02
Spill Record Last Update: 2014-06-04
Spiller Name: Galia T Silverberg
Spiller Company: Silverberg
Spiller Address: 22 PIPING ROCK DRIVE
Spiller County: 999
Spiller Contact: REED SMERCINA
Spiller Phone: (267) 882-6781
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 446353
DEC Memo: "2/2/14 Left message for Reed to call 3121 to provide further info, including owner info. jc 2/3/14: Email message sent to ATS requesting sample results and additional information on the home owner or contact. jod 2/07/14: ATS repoted back that they were hired by a prospective buyer to perform a tank test. Contaminated soil was detected in the well point. A sample was sent out to the lab for TPH analysis, results have not come back yet. They have the current home owner listed as a Mrs Silverberg. jod 6/4/2014: Envirostar removed and disposed of the UST. No evidence of a leak or of petroleum contamination was found. Exit samples were ND for all VOCs and SVOCs. Tank Closure report reviewed and entered into DecDocs system. Based upon information provided to DEC, no further action is required at this time. jod"
Remarks: "Failed tank test. Cleanup pending test results."

All Materials:

Site ID: 491357
Operable Unit ID: 1240911
Operable Unit: 01
Material ID: 2241163
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E25 **SPILL NUMBER 0112166**
ESE **34 PIPING ROCK DR**
1/4-1/2 **OSSINING, NY**
0.345 mi.
1824 ft. **Site 2 of 4 in cluster E**

LTANKS **S105995476**
N/A

Relative:
Higher

Actual:
253 ft.

LTANKS:

Name: SPILL NUMBER 0112166
Address: 34 PIPING ROCK DR
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0112166 / 2002-05-01
Facility ID: 0112166
Site ID: 66730
Spill Date: 2002-03-26
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2002-03-26
CID: 211
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2002-03-26
Spill Record Last Update: 2002-06-03
Spiller Name: ANN MORRIS
Spiller Company: Not reported
Spiller Address: 34 PIPING ROCK DR
Spiller County: 001
Spiller Contact: ANN MORRIS
Spiller Phone: (914) 944-0006
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 63866
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
O'DEE MADISON DISPOSED OF 38.35 TONS OF CONTAMIN SOIL. CLOSURE REPORT
FROM JM ASSOCIATES. NFA"

Remarks: "DURING TANK REMOVAL 550 UST SOIL CONTAMINATION DISCOVERED"

All Materials:

Site ID: 66730
Operable Unit ID: 850967
Operable Unit: 01
Material ID: 526180
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E26
ESE
1/4-1/2
0.355 mi.
1872 ft.
YASIN - TTF
33 MEADOWBROOK DR
OSSINING, NY
Site 3 of 4 in cluster E

LTANKS **S105230116**
N/A

Relative:
Higher

Actual:
256 ft.

LTANKS:

Name: YASIN - TTF
Address: 33 MEADOWBROOK DR
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0108809 / 2005-04-02
Facility ID: 0108809
Site ID: 197472
Spill Date: 2001-12-04
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2001-12-04
CID: 257
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2001-12-04
Spill Record Last Update: 2015-12-14
Spiller Name: MR YASIN
Spiller Company: Yasin
Spiller Address: 33 MEADOWBROOK DR
Spiller County: 001
Spiller Contact: MR YASIN
Spiller Phone: (914) 941-5312
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 164347
DEC Memo: "SEE SPILL 01-08987. NFA THIS SPILL NUMBER. jod"
Remarks: "uncover repair retest"

F27
ESE
1/4-1/2
0.363 mi.
1919 ft.
RESIDENCE
38 MEADOWBROOK DRIVE
OSSINING, NY
Site 1 of 2 in cluster F

LTANKS **S106737636**
N/A

Relative:
Higher

Actual:
293 ft.

LTANKS:

Name: RESIDENCE
Address: 38 MEADOWBROOK DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0410445 / 2005-09-11
Facility ID: 0410445
Site ID: 335427
Spill Date: 2004-12-20
Spill Cause: Tank Failure
Spill Source: Private Dwelling

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S106737636

Spill Class: B4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2004-12-20
CID: 408
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2004-12-20
Spill Record Last Update: 2005-09-11
Spiller Name: DUNS COMB
Spiller Company: RESIDENCE
Spiller Address: 38 METALBROOK DRIVE
Spiller County: 001
Spiller Contact: DUNS COMB
Spiller Phone: (914) 941-2623
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 270638
DEC Memo: "September 11, 2005: ENVIROSTAR DISPOSED OF LUST AND 50.55 TONS OF CONTAMINATED SOIL. GROUND WATER WAS IMPACTED, GW SAMPLE TAKEN AND SUBMITTED. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks: "DEACTIVATING THE TANK AND HOLES WERE FOUND. FORWARDED IT TO AN ENVIRONMENTAL COMPANY."

All TTF:

Facility ID: 0410445
Spill Number: 0410445
Spill Tank Test: 1548422
Site ID: 335427
Tank Number: Not reported
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 335427
Operable Unit ID: 1097496
Operable Unit: 01
Material ID: 577482
Material Code: 0001A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S106737636

Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

**E28
ESE
1/4-1/2
0.371 mi.
1959 ft.**

**KATHY MOREHOUSE
34 MEADOWBROOK DR
OSSINING, NY**

**LTANKS S105995266
N/A**

Site 4 of 4 in cluster E

**Relative:
Higher**

**Actual:
296 ft.**

LTANKS:
Name: KATHY MOREHOUSE
Address: 34 MEADOWBROOK DR
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0111198 / 2010-05-13
Facility ID: 0111198
Site ID: 139948
Spill Date: 2002-02-25
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: D5
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2002-02-25
CID: 397
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2002-02-25
Spill Record Last Update: 2010-05-13
Spiller Name: KATHY MOREHOUSE
Spiller Company: KATHY MOREHOUSE
Spiller Address: 34 MEADOWBROOK RD
Spiller County: 001
Spiller Contact: KATHY MOREHOUSE
Spiller Phone: (914) 576-3515
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 119529
DEC Memo: "5/13/2010: File review. Report of a tank test failure, non-regulated UST. No indication of contamination or any actual leak noted in the initial report. No call back or updates made by dispatch desk. No further information received. jod"
Remarks: "tanktest failure"
All TTF:
Facility ID: 0111198

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KATHY MOREHOUSE (Continued)

S105995266

Spill Number: 0111198
Spill Tank Test: 1526898
Site ID: 139948
Tank Number: 1
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 139948
Operable Unit ID: 849715
Operable Unit: 01
Material ID: 528791
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

**29
NE
1/4-1/2
0.389 mi.
2055 ft.**

**INDIAN BROOK
25 FOWLER AVE
OSSINING, NY 10562**

**LTANKS S109064335
CBS N/A
NY Spills**

**Relative:
Higher
Actual:
159 ft.**

LTANKS:

Name: OSSINING WATER PLANT
Address: 25 FOWLER AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0801486 / 2008-07-21
Facility ID: 0801486
Site ID: 397419
Spill Date: 2008-05-07
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: WCDOH - PBS
Reported to Dept: 2008-05-07
CID: 444
Water Affected: Not reported
Spill Notifier: Tank Tester

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDIAN BROOK (Continued)

S109064335

Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-05-07
Spill Record Last Update: 2008-07-21
Spiller Name: STEVE G
Spiller Company: OSSINING WATER PLANT
Spiller Address: 25 FOWLER AVE
Spiller County: 999
Spiller Contact: STEVE G
Spiller Phone: (914) 941-0128
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 315279
DEC Memo: "Tank in vault with water. To be pumped out and retested. 7/21/08:
Tanks removed, clean up completed. Based upon information from Health
Dept, DEC requires No Further Action at this time. jod"
Remarks: "PBS No: 3-800054. UNCOVER AND TEST OR REMOVE"

All TTF:

Facility ID: 0801486
Spill Number: 0801486
Spill Tank Test: 2486046
Site ID: 397419
Tank Number: 3
Tank Size: 3000
Material: 0001
EPA UST: Not reported
UST: True
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 397419
Operable Unit ID: 1154385
Operable Unit: 01
Material ID: 2145180
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Name: INDIAN BROOKS WATER TREATMENT PLANT
Address: 25 FOWLER AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDIAN BROOK (Continued)

S109064335

City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1007653 / 2011-10-27
Facility ID: 1007653
Site ID: 441082
Spill Date: 2010-10-19
Spill Cause: Tank Test Failure
Spill Source: Non Major Facility > 1,100 gal
Spill Class: D3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: WCHD
Reported to Dept: 2010-10-19
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2010-10-19
Spill Record Last Update: 2011-10-27
Spiller Name: Not reported
Spiller Company: INDIAN BROOKS WATER TREATMENT PLANT
Spiller Address: Not reported
Spiller County: 999
Spiller Contact: DAVID STONE
Spiller Phone: (914) 941-0128
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 315279
DEC Memo: "WCHD PBS site. WCHD to followup. DT 10/19/10 12/22/10 APECCO submitted a Tank Closure Report to WCHD and DEC. HD to review and close. TG 10/27/11: Update received from WCDOH: >>> Lalak, Chris 10/27/2011 1:34 PM >>> 1007653 NFA Indian Brook WTP American cleaned up (Tank Pull) *Based upon information provided, DEC requires no further action at this time. jod "

Remarks: "2000gal ust/tank 4"

All Materials:

Site ID: 441082
Operable Unit ID: 1191665
Operable Unit: 01
Material ID: 2186839
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

CBS:

Name: INDIAN BROOK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDIAN BROOK (Continued)

S109064335

Address: 25 FOWLER AVE
City,State,Zip: OSSINING, NY 10562
CBS Number: 3-000293
Program Type: CBS
Facility Status: Unregulated/Closed
Expiration Date: Not reported
Dec Region: 3
UTMX: 594908.03064
UTMY: 4560487.42532

SPILLS:

Name: WATER TREATMENT PLANT
Address: 25 FOWLER AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0602618 / 2006-06-12
Facility ID: 0602618
Facility Type: ER
DER Facility ID: 315279
Site ID: 365132
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: C4
SWIS: 6042
Spill Date: 2006-06-08
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2006-06-08
CID: 4 4
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2006-06-08
Spill Record Last Update: 2006-06-12
Spiller Name: ANDREW TISS
Spiller Company: WATER TREATMENT PLANT
Spiller Address: 25 FOWLER AVE
Spiller Company: 001
Contact Name: ANDREW TISS
DEC Memo: "06/12/06 : NFA"
Remarks: "ON DRIVEWAY NO DRAINS EFFECTED: HEALTH DEPT NOTIFIED: CLEAN UP IN PROGRESS"

All Materials:

Site ID: 365132
Operable Unit ID: 1123145
Operable Unit: 01
Material ID: 2112621
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INDIAN BROOK (Continued)

S109064335

Quantity: 2.00
Units: G
Recovered: .00
Oxygenate: Not reported

**30
SE
1/4-1/2
0.406 mi.
2145 ft.**

**MCKENZIE RESIDENCE
38 AUDUBON DRIVE
OSSINING, NY**

**LTANKS S111458663
N/A**

**Relative:
Higher**

**Actual:
189 ft.**

LTANKS:

Name: MCKENZIE RESIDENCE
Address: 38 AUDUBON DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1113056 / 2012-04-02
Facility ID: 1113056
Site ID: 461027
Spill Date: 2012-02-15
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: D4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2012-02-15
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2012-02-15
Spill Record Last Update: 2012-04-02
Spiller Name: WILLIAM SILSDORF
Spiller Company: MCKENZIE RESD
Spiller Address: 38 AUDUBON DR
Spiller County: 999
Spiller Contact: WILLIAM SILSDORF
Spiller Phone: (845) 528-0370
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 415513
DEC Memo: "2-15-12: V.Mc. call to Bill/Eleit Enviro.: Working for poss.buyer.
EIR. 4/2/12: Tank removed by Advanced Environmental. No evidence of
leak or contamination was found. Letter scanned into edocs. Based
upon the information provided, no further action is required at this
time. jod"

Remarks: "Test failure. Repair & retest being considered by owner."

All Materials:

Site ID: 461027
Operable Unit ID: 1211125
Operable Unit: 01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MCKENZIE RESIDENCE (Continued)

S111458663

Material ID: 2208829
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

**G31
ESE
1/4-1/2
0.411 mi.
2169 ft.**

**REAL ESTATE - TTF
149 CEDAR LANE
OSSINING, NY**

**LTANKS S123663785
N/A**

Site 1 of 3 in cluster G

**Relative:
Higher
Actual:
347 ft.**

LTANKS:
Name: REAL ESTATE - TTF
Address: 149 CEDAR LANE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1811525 / 2019-06-06
Facility ID: 1811525
Site ID: 582468
Spill Date: 2019-02-15
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2019-02-18
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2019-02-18
Spill Record Last Update: 2019-06-07
Spiller Name: Elizabeth Zieglmeier
Spiller Company: Elizabeth Zieglmeier
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: N/A
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 534956
DEC Memo: "2-18-19 Eco Logic called in a spill for a failed tightness test on the wetted portion of a 550 UST. The tank failed on Friday 2/15. The test was performed at the direction of a potential buyer, (Sherri Hughes Tyson Kauffman 914-629-6452) and Eco Logic does not have the owners information. Ms. Kauffman refused to provide any additional information. Records show Elizabeth Zieglmeier as the property owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REAL ESTATE - TTF (Continued)

S123663785

but no contact number. ML 2/26/19: Residential tank test failure, non-regulated UST, tank test method not identified. No owner/RP information provide. No DEC action at this time. jod 4/17/19 Owner called duty desk - Grazi-1 pulled tank, said they found contamination. No holes in tank, but may be from feeder lines. Sending draft guidance and contractor list by e-mail. Checked with Grazi-1 - confirmed no holes in tanks, but contamination due to feeder line. PID readings in 300's. Soil sample taken for analysis. ga 6/6/2019: Grazi-1 Environmental removed the UST and disposed of 35.96 tons of petroleum contaminated soil. Post excavation soil sample results were below CP-51 Guidance values. Report has been reviewed and entered in DecDocs. Based upon the information provided, no further action is required at this time. jod"

Remarks: "550 ust"

All Materials:

Site ID: 582468
Operable Unit ID: 1330149
Operable Unit: 01
Material ID: 2339299
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

F32
ESE
1/4-1/2
0.412 mi.
2174 ft.

BASLER RESIDENCE
90 CEDAR LANE
OSSINING, NY
Site 2 of 2 in cluster F

LTANKS S105999582
N/A

Relative:
Higher

Actual:
366 ft.

LTANKS:

Name: BASLER RESIDENCE
Address: 90 CEDAR LANE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0304917 / 2003-08-20
Facility ID: 0304917
Site ID: 199499
Spill Date: 2003-08-08
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: D4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2003-08-08
CID: 390
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BASLER RESIDENCE (Continued)

S105999582

UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2003-08-08
Spill Record Last Update: 2003-08-20
Spiller Name: CHERIE XAVIER
Spiller Company: BASLER RESIDENCE
Spiller Address: 90 CEDAR LANE
Spiller County: 001
Spiller Contact: CHERIE XAVIER
Spiller Phone: (914) 469-5797
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 166049
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was
O'DEE 08/20/03 TANK PASSED A RETEST AFTER PIPING WAS REPLACED. NFA"
Remarks: "tank failed test - no known product spillage"

All TTF:

Facility ID: 0304917
Spill Number: 0304917
Spill Tank Test: 1528575
Site ID: 199499
Tank Number: 1
Tank Size: 1000
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 199499
Operable Unit ID: 871721
Operable Unit: 01
Material ID: 505763
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G33
SE
1/4-1/2
0.427 mi.
2252 ft.

CRUZ RESIDENCE
145 CEDAR LANE
OSSINING, NY
Site 2 of 3 in cluster G

LTANKS **S108298494**
NY Spills **N/A**

Relative:
Higher

Actual:
343 ft.

LTANKS:

Name: CRUZ RESIDENCE
Address: 145 CEDAR LANE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0607421 / 2006-10-03
Facility ID: 0607421
Site ID: 371140
Spill Date: 2006-09-28
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2006-09-28
CID: 406
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-09-28
Spill Record Last Update: 2006-10-11
Spiller Name: DIANE VEIT
Spiller Company: BURKE OIL CO
Spiller Address: 475 COMMERCE ST.
Spiller County: 001
Spiller Contact: WILLIAM CRUZ
Spiller Phone: (914) 944-3317
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 320926
DEC Memo: ""
Remarks: "Driver overfilled the tank releasing material into the basement.
There are no drains involved. Material is contained to the basement.
Crew from Burke Oil is on scene for clean up."

All TTF:

Facility ID: 0607421
Spill Number: 0607421
Spill Tank Test: 1550321
Site ID: 371140
Tank Number: Not reported
Tank Size: 275
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: 02
Source: Not reported
Test Method: 00
Test Method 2: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRUZ RESIDENCE (Continued)

S108298494

Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 371140
Operable Unit ID: 1128911
Operable Unit: 01
Material ID: 2118566
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5.00
Units: G
Recovered: 5.00
Oxygenate: Not reported

SPILLS:

Name: PRIVATE HOME
Address: 145 CEDAR LANE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0707558 / 2007-10-09
Facility ID: 0707558
Facility Type: ER
DER Facility ID: 320926
Site ID: 388271
DEC Region: 3
Spill Cause: Human Error
Spill Class: C4
SWIS: 6042
Spill Date: 2007-10-09
Investigator: mbmastro
Referred To: Not reported
Reported to Dept: 2007-10-09
CID: 408
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2007-10-09
Spill Record Last Update: 2007-11-30
Spiller Name: FRANK LANZILLI
Spiller Company: BURKE HEATING AND FUEL
Spiller Address: 475 COMMERCE ST
Spiller Company: 001
Contact Name: CRUSE, WILLIAM
DEC Memo: "Cleaned up small amount through gauge. NFA. (MM)"
Remarks: "1/2 GALLON RELEASED; CLEAN UP IN PROGRESS;"

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CRUZ RESIDENCE (Continued)

S108298494

All Materials:

Site ID: 388271
Operable Unit ID: 1145455
Operable Unit: 01
Material ID: 2135788
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

34
East
1/4-1/2
0.439 mi.
2320 ft.

SPILL NUMBER 9806445
112 CEDAR LN
OSSINING, NY

LTANKS S104619659
N/A

Relative:
Higher

Actual:
330 ft.

LTANKS:
Name: SPILL NUMBER 9806445
Address: 112 CEDAR LN
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9806445 / 1998-10-13
Facility ID: 9806445
Site ID: 75212
Spill Date: 1998-08-25
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: WCHD
Referred To: Westchester Cnty Health Dept
Reported to Dept: 1998-08-25
CID: 366
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1998-08-25
Spill Record Last Update: 1998-10-27
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller County: 001
Spiller Contact: TODD MILLINGTON
Spiller Phone: (914) 762-1748
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 70434
DEC Memo: ""

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPILL NUMBER 9806445 (Continued)

S104619659

Remarks: "CALLER REPORTING A FAILURE FOR TANK TEST."
All TTF:
Facility ID: 9806445
Spill Number: 9806445
Spill Tank Test: 1546189
Site ID: 75212
Tank Number: 1
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 75212
Operable Unit ID: 1064050
Operable Unit: 01
Material ID: 317599
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

35
SE
1/4-1/2
0.441 mi.
2331 ft.

**RESIDENCE
13 MEADOWBROOK DRIVE
OSSINING, NY**

**LTANKS S106971595
N/A**

**Relative:
Higher**

**Actual:
271 ft.**

LTANKS:
Name: RESIDENCE
Address: 13 MEADOWBROOK DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0409121 / 2005-04-02
Facility ID: 0409121
Site ID: 333775
Spill Date: 2004-11-16
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: B4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2004-11-16

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S106971595

CID: 407
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2004-11-17
Spill Record Last Update: 2005-04-02
Spiller Name: WILLEMANN
Spiller Company: RESIDENCE
Spiller Address: 13 MEADOW BROOK DRIVE
Spiller County: 001
Spiller Contact: WILLEMANN
Spiller Phone: (914) 762-5861
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 269019
DEC Memo: "04/02/05 ENVIROSTAR DISPOSED OF LUST AND 35.51 TONS OF CONTAMINATED SOIL. GROUND WATER WAS IMPACTED AND SAMPLED. BASED UPON INFORMATION SUBMITTED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks: "Tank Size: 1000 gal."

36
SSE
1/4-1/2
0.442 mi.
2335 ft.

MARIANDALE
299 NORTH HIGHLAND AVE
OSSINING, NY

LTANKS **S103941476**
NY Spills **N/A**

Relative:
Higher

Actual:
144 ft.

LTANKS:
Name: DOMINICAN SISTERS OF HOPE
Address: 299 NORTH HIGHLAND AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9903378 / 2008-09-30
Facility ID: 9903378
Site ID: 304918
Spill Date: 1999-06-24
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jkomara
Referred To: Not reported
Reported to Dept: 1999-06-24
CID: 205
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1999-06-24
Spill Record Last Update: 2008-09-30
Spiller Name: LIZ MOLINARI
Spiller Company: DOMINICAN SISTERS OF HOPE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIANDALE (Continued)

S103941476

Spiller Address: 299 NORTH HIGHLAND AVE
Spiller County: 001
Spiller Contact: CALLER
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 246305
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'MARA A TCR prepared by Dorson Environmental and dated July 13, 1999 was submitted in response to a DEC/TechLaw review letter of May 2008. PJD June 2008 09/30/08 Based on old Closure report NFA JO'M"
Remarks: "caller reported removing two tanks on site, and found holes in both. contaminated soil encountered."

All Materials:

Site ID: 304918
Operable Unit ID: 1077974
Operable Unit: 01
Material ID: 303301
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Site ID: 304918
Operable Unit ID: 1077974
Operable Unit: 01
Material ID: 303302
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

SPILLS:

Name: MARIANDALE
Address: 299 NORTH HIGHLAND AVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0304015 / 2003-07-16
Facility ID: 0304015
Facility Type: ER
DER Facility ID: 246305
Site ID: 304917
DEC Region: 3
Spill Cause: Other
Spill Class: C4
SWIS: 6042
Spill Date: 2003-07-16
Investigator: WCHD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARIANDALE (Continued)

S103941476

Referred To: Westchester Cnty Health Dept
Reported to Dept: 2003-07-16
CID: 252
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Health Department
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2003-07-16
Spill Record Last Update: 2004-04-02
Spiller Name: LIZ THOMAS
Spiller Company: MARIANDALE
Spiller Address: 299 NORTH HIGHLAND AVE
Spiller Company: 001
Contact Name: LIZ THOMAS
DEC Memo: ""
Remarks: "MAINTENANCE THREW OUT POOL CHEMICALS IN DUMPSTER-WHEN SANITATION DEPT PICKED UP CHEMICALS WERE RELEASED."

All Materials:
Site ID: 304917
Operable Unit ID: 872262
Operable Unit: 01
Material ID: 504876
Material Code: 0029C
Material Name: hydrogen chloride
Case No.: 07647010
Material FA: Hazardous Material
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

G37
ESE
1/4-1/2
0.448 mi.
2365 ft.

HOULIHAN RESIDENCE
80 CEDAR LN
OSSINING, NY
Site 3 of 3 in cluster G

LTANKS **S106972387**
N/A

Relative:
Higher

Actual:
364 ft.

LTANKS:
Name: HOULIHAN RESIDENCE
Address: 80 CEDAR LN
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0505388 / 2006-11-19
Facility ID: 0505388
Site ID: 350390
Spill Date: 2005-07-27
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: B4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOULIHAN RESIDENCE (Continued)

S106972387

Referred To: Not reported
Reported to Dept: 2005-08-02
CID: 406
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-08-02
Spill Record Last Update: 2006-11-19
Spiller Name: MARY HOULIHAN
Spiller Company: HOULIHAN RESIDENCE
Spiller Address: 80 CEDAR LN.
Spiller County: 001
Spiller Contact: MARY HOULIHAN
Spiller Phone: (914) 941-3568
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 296848
DEC Memo: "TARRYTOWN SUB-OFFICE DID NOT RECEIVE THIS SPILL REPORT FROM R3 NEW
PALTZ 08/05/05 ZURICH POLICY. HOME OWNER TO SEND TANK TESTING REPORT
TO DEC FOR REVIEW. jod 08/09/05 ATS REPORT ONLY SHOWS CORROSION TEST
AND TPH. CLAIM MADE AGAINST ZURICH. jod November 19, 2006: CLEAN
VENTURE DISPOSED OF LUST AND 130.37 TONS OF CONTAMINATED SOIL. BASED
UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT
THIS TIME. jod"

Remarks: "Tech was on site doing soil sample and found contamination. found #2
fuel oil at 2480ppm. Unknown who is doing the clean up."

All TTF:

Facility ID: 0505388
Spill Number: 0505388
Spill Tank Test: 1549163
Site ID: 350390
Tank Number: Not reported
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 350390
Operable Unit ID: 1107956
Operable Unit: 01
Material ID: 2097851
Material Code: 0001A
Material Name: #2 fuel oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOULIHAN RESIDENCE (Continued)

S106972387

Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

**H38
SE
1/4-1/2
0.457 mi.
2414 ft.**

**SPALL RESIDENCE
1 HILLSIDE TERRACE
OSSINING, NY**

**LTANKS S107523391
N/A**

Site 1 of 2 in cluster H

**Relative:
Higher
Actual:
187 ft.**

LTANKS:

Name: SPALL RESIDENCE
Address: 1 HILLSIDE TERRACE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0511909 / 2006-11-19
Facility ID: 0511909
Site ID: 358149
Spill Date: 2006-01-16
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2006-01-16
CID: 409
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2006-01-16
Spill Record Last Update: 2006-11-19
Spiller Name: MIKE SPALL
Spiller Company: SPALL RESIDENCE
Spiller Address: 1 HILLSIDE TERRACE
Spiller County: 001
Spiller Contact: MIKE SPALL
Spiller Phone: (914) 762-5560
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 308165
DEC Memo: "02/26/06 SPILL REPORT FOUND ON DATABASE. REGION 3 NEVER RECEIVED THIS SPILL REPORT FROM SPILL HOT LINE. NO ACTION TAKEN. jod 03/02/06 WESTCHESTER SUB-OFFICE RECEIVED THIS REPORT FROM NEW PALTZ TODAY, SIX WEEKS AFTER SPILL WAS REPORTED. jod November 19, 2006: ENVIROSTAR DISPOSED OF LUST AND 23.31 TONS OF CONTAMINATED SOIL. GROUND WATER WAS IMPACTED, MONITORING WELL INSTALLED AND SAMPLED. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks: "FOUND WATER IN THE BURIED 550 TANK TAKING ON WATER. 8 INCHES OF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPALL RESIDENCE (Continued)

S107523391

WATER AND OIL IN TANK. WHEN THEY REMOVE OIL MORE WATER IS COMING IN.
PRODUCT HAS BEEN EVACUATED."

All TTF:

Facility ID: 0511909
Spill Number: 0511909
Spill Tank Test: 1549648
Site ID: 358149
Tank Number: Not reported
Tank Size: 0
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 358149
Operable Unit ID: 1115402
Operable Unit: 01
Material ID: 2105464
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

39
SE
1/4-1/2
0.461 mi.
2432 ft.

HOMEOWNER TTF
78 CEDAR LANE
OSSINING, NY

LTANKS S106702548
N/A

Relative:
Higher

Actual:
361 ft.

LTANKS:

Name: HOMEOWNER TTF
Address: 78 CEDAR LANE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0405289 / 2012-08-14
Facility ID: 0405289
Site ID: 152276
Spill Date: 2004-08-13
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: UNASSIGNED
Referred To: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOMEOWNER TTF (Continued)

S106702548

Reported to Dept: 2004-08-13
CID: 444
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2004-08-13
Spill Record Last Update: 2012-08-14
Spiller Name: JUAN ARANGO
Spiller Company: Not reported
Spiller Address: 78 CEDAR LANE
Spiller County: 001
Spiller Contact: JUAN ARANGO
Spiller Phone: (201) 369-8419
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 129261
DEC Memo: "7/29/10 Homeowner TTF JO'M 7/14/12 HO TTF greater then 5 years old
with no apperent impact will be closed agreed by both Albany and
Region 3. NFA JO'M"

Remarks: "RECOMMEND REPAIR & RETEST OR RE MOVE"

All TTF:

Facility ID: 0405289
Spill Number: 0405289
Spill Tank Test: 1529549
Site ID: 152276
Tank Number: 1
Tank Size: 550
Material: Not reported
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

Facility ID: 0405289
Spill Number: 0405289
Spill Tank Test: 1529550
Site ID: 152276
Tank Number: 1
Tank Size: 550
Material: Not reported
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HOMEOWNER TTF (Continued)

S106702548

Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 152276
Operable Unit ID: 888806
Operable Unit: 01
Material ID: 489392
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

Site ID: 152276
Operable Unit ID: 888806
Operable Unit: 01
Material ID: 489393
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

40
NNE
1/4-1/2
0.461 mi.
2434 ft.

RESIDENCE
95 QUAKER BRIDGE RD
OSSINING, NY

LTANKS S102659651
N/A

Relative:
Higher
Actual:
116 ft.

LTANKS:
Name: RESIDENCE
Address: 95 QUAKER BRIDGE RD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 9704994 / 1998-05-18
Facility ID: 9704994
Site ID: 176210
Spill Date: 1997-07-25
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 1997-07-25
CID: 196
Water Affected: Not reported
Spill Notifier: Tank Tester

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S102659651

Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1997-07-25
Spill Record Last Update: 1998-05-18
Spiller Name: KATIE UNGER
Spiller Company: KATIE UNGER
Spiller Address: 95 QUAKER BRIDGE RD
Spiller County: 001
Spiller Contact: WALTER MORGAN
Spiller Phone: (914) 225-5240
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 148091
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks: "GROSS FAILURE. TANK IS BEING PUMPED OUT FOR REPAIR."

All TTF:

Facility ID: 9704994
Spill Number: 9704994
Spill Tank Test: 1545237
Site ID: 176210
Tank Number: 1
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:

Site ID: 176210
Operable Unit ID: 1048348
Operable Unit: 01
Material ID: 334229
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H41
SE
1/4-1/2
0.469 mi.
2475 ft.

FITZPATRICK
15 CEDAR LANE TERRACE
OSSINING, NY

Site 2 of 2 in cluster H

LTANKS
NY Spills

S112148856
N/A

Relative:
Higher

Actual:
232 ft.

LTANKS:

Name: FITZPATRICK RESIDENCE
Address: 15 CEDAR LANE TERRACE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1204302 / 2012-10-16
Facility ID: 1204302
Site ID: 467183
Spill Date: 2012-07-31
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2012-07-31
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2012-07-31
Spill Record Last Update: 2012-10-16
Spiller Name: BRIAN FITZPATRICK
Spiller Company: TANK TEST FAILURE
Spiller Address: 15 CEDAR LN TERRACE
Spiller County: 999
Spiller Contact: BRIAN FITZPATRICK
Spiller Phone: (914) 236-3093
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 422899
DEC Memo: "7/31/12 tank test failure at a private home...mm Tank removed by Envirostar, tank is leaking, also reported as Spill 1205649. jod 10/16/2012: Clean up completed. Closure report from Envirostar entered into eDocs. Based upon information provided, no further action required at this time. jod"

Remarks: "repair/retest pending"

All Materials:

Site ID: 467183
Operable Unit ID: 1217142
Operable Unit: 01
Material ID: 2215401
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FITZPATRICK (Continued)

S112148856

Oxygenate: Not reported

SPILLS:

Name: FITZPATRICK
Address: 15 CEDAR LANE TERRACE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 1205649 / 2012-10-16
Facility ID: 1205649
Facility Type: ER
DER Facility ID: 422899
Site ID: 468611
DEC Region: 3
Spill Cause: Equipment Failure
Spill Class: B3
SWIS: 6042
Spill Date: 2012-09-06
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2012-09-06
CID: Not reported
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2012-09-06
Spill Record Last Update: 2012-10-16
Spiller Name: Not reported
Spiller Company: FITZPATRICK
Spiller Address: Not reported
Spiller Company: 999
Contact Name: FITZPATRICK
DEC Memo: "9/6/12 Owner has contacted insurance co. Burke pumped out tank and cleaned it, but left it in place. It had several holes, according to Burke. Fitzpatrick was given contractor #'s , according to Burke. dw Previouslt reported TTF is Spill 1204302. jod
>>>info@tankremovalservices.com> 9/21/2012 3:48 PM >>> John We were hired by the homeowner to do a clean up Burke Heat removed the tank We removed 8.06 Tons of contaminated soil Wednesday We have clean samples we will submit for closure -Mark DiBartolo Envirostar Corp jod 10/16/2012: Clean up completed. Closure report from Envirostar entered into eDocs. Based upon information provided, no further action required at this time. jod"
Remarks: "550 gal usst, loss of product to soil/clean up pending, samples taken"

All Materials:

Site ID: 468611
Operable Unit ID: 1218528
Operable Unit: 01
Material ID: 2216914
Material Code: 0001A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FITZPATRICK (Continued)

S112148856

Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

42
NNW
1/4-1/2
0.473 mi.
2499 ft.

VANCORTLAND MANOR
500 SOUTH RIVERSIDE DR
CROTON-ON-HUDSON, NY

LTANKS **S104516738**
N/A

Relative:
Lower

LTANKS:

Actual:
35 ft.

Name: VANCORTLAND MANOR
Address: 500 SOUTH RIVERSIDE DR
City,State,Zip: CROTON-ON-HUDSON, NY
Spill Number/Closed Date: 9913924 / 2002-12-26
Facility ID: 9913924
Site ID: 249811
Spill Date: 2000-03-09
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: D4
Cleanup Ceased: Not reported
SWIS: 6000
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2000-03-09
CID: 282
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2000-03-09
Spill Record Last Update: 2003-01-03
Spiller Name: JEFF CARTER
Spiller Company: HISTORIC HUDSON VALLEY
Spiller Address: 150 WHITEPLAINS RD
Spiller County: 001
Spiller Contact: JEFF CARTER
Spiller Phone: (914) 758-6667
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 204783
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 12/26/02: LETTER TO GEOGGREY CARTER, HISTORIC HUDSON VALLEY FROM STEFAN GOREAU, WCDOH. CLOSURE REPORT HAS BEEN REVIEWED. WCDOH RECOMMENDS NFA AT THIS TIME."

Remarks: "tank failed the test isolate uncover and retest tank was in the lounge building*****"

All TTF:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VANCORTLAND MANOR (Continued)

S104516738

Facility ID: 9913924
Spill Number: 9913924
Spill Tank Test: 1548122
Site ID: 249811
Tank Number: 1
Tank Size: 1000
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 20
Test Method 2: USTest 2000/P/LL plus USTest 2000/U
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 249811
Operable Unit ID: 1088455
Operable Unit: 01
Material ID: 292213
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

**I43
ESE
1/4-1/2
0.477 mi.
2518 ft.**

**RUSSO RESIDENCE
22 MCCARTHY DRIVE
OSSINING, NY**

**LTANKS S105996696
N/A**

Site 1 of 2 in cluster I

**Relative:
Higher**

**Actual:
382 ft.**

LTANKS:
Name: RUSSO RESIDENCE
Address: 22 MCCARTHY DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0205915 / 2003-08-26
Facility ID: 0205915
Site ID: 160848
Spill Date: 2002-09-07
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: B3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: tdghiosa
Referred To: Not reported
Reported to Dept: 2002-09-07
CID: 390
Water Affected: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RUSSO RESIDENCE (Continued)

S105996696

Spill Notifier: Local Agency
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2002-09-07
Spill Record Last Update: 2003-08-26
Spiller Name: STEPHEN RUSSO
Spiller Company: RUSSO RESIDENCE
Spiller Address: 22 MCCARTHY
Spiller County: 001
Spiller Contact: STEPHEN RUSSO
Spiller Phone: (914) 923-7523
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 135803
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 9-9-02 Site was inspected. The 1000 gallon tank is suspected of releasing 500 gallons of oil. Fuel was first dicovered by Mr. Russo in the basement sump which is located on the opposite side of the house in relation to the tank location. It appears that oil has entered the footing drains for the home. The homeowner has just completed the installation of an in ground swimming pool. Oil seems to be entering the pool since a yellow stain exists on the pool bottom and a water sample tested for TPH was positive. Homeowner is waiting to hear from Allstate Insurance Co. and will have Ira Conklin remove the tank after it is determined whether there is insurance coverage. TG 9-12-02 Ira D Conklin (Stacy Smit) was on site removing the oil tank. P.W. Grosser Consulting Engineeers was overseeing the project on behalf of Allstate Insurance Co. When the tank was removed, many holes all around the tank were present. Conklin will continue to excavate contaminated soil. Homeowner will be contacting the pool company to inquire about digging near the pool and to get more info about the location of the footing drain line and the sump that was supposedly built beneath the pool. 08-22-03 Closure report recieved from Ira Conklin Inc. 266.06 tons of soil were excavated and disposed. NFA TG"

Remarks: "underground tank failure - unk amount spilled - ira d conklin will be contacted for clean up"

All Materials:

Site ID: 160848
Operable Unit ID: 857502
Operable Unit: 01
Material ID: 516529
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

44
NE
1/4-1/2
0.480 mi.
2534 ft.

GE FACILITY
OLD ALBANY POST ROAD
OSSINING, NY

LTANKS S106737934
N/A

Relative:
Higher

Actual:
191 ft.

LTANKS:

Name: GE FACILITY
Address: OLD ALBANY POST ROAD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0411593 / 2005-02-15
Facility ID: 0411593
Site ID: 336821
Spill Date: 2005-01-26
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: WCHD
Referred To: Not reported
Reported to Dept: 2005-01-28
CID: 409
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-01-28
Spill Record Last Update: 2005-03-04
Spiller Name: MICHEAL LASORSA
Spiller Company: GE FACILITY
Spiller Address: OLD ALBANY POST RD.
Spiller County: 001
Spiller Contact: MICHEAL LASORSA
Spiller Phone: (914) 944-2118
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 207016
DEC Memo: "3/4/05: PBS 3-003425; Letter to Mike LaSorsa, Gen Electric Management from Karen Magnuson, WCDOH dated 15Feb2005. WCDOH recommends NFA at this time."
Remarks: "semi volatiles.PREVIOUS CONTAMINATION WHEN REMOVING THE SOIL. TANK WAS NOT LEAKING."

All Materials:

Site ID: 336821
Operable Unit ID: 1098822
Operable Unit: 01
Material ID: 579001
Material Code: 0064A
Material Name: unknown material
Case No.: Not reported
Material FA: Other
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I45
ESE
1/4-1/2
0.484 mi.
2557 ft.

**TOMASULO RESIDENCE
20 MCCARTHY DRIVE
OSSINING, NY**

**LTANKS S106124006
N/A**

Site 2 of 2 in cluster I

**Relative:
Higher**

LTANKS:

**Actual:
381 ft.**

Name: TOMASULO RESIDENCE
Address: 20 MCCARTHY DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0311772 / 2004-11-27
Facility ID: 0311772
Site ID: 237744
Spill Date: 2004-01-20
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: C3
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2004-01-20
CID: 444
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2004-01-20
Spill Record Last Update: 2004-11-27
Spiller Name: Not reported
Spiller Company: TOMASULO
Spiller Address: Not reported
Spiller County: 999
Spiller Contact: LINDA TOMASULO
Spiller Phone: (914) 923-9020
Spiller Extension: Not reported
DEC Region: 3
DER Facility ID: 195820
DEC Memo: "11/27/04 MADISON ENERGY DISPOSED OF LUST AND 21.54 TONS OF CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jbo"

Remarks: "CLOSING TANK AND FOUND HOLES IN IT. WILL REMOVE TANK AND CLEAN UP."

All Materials:

Site ID: 237744
Operable Unit ID: 877113
Operable Unit: 01
Material ID: 497019
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: Not reported
Oxygenate: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

46
ESE
1/4-1/2
0.495 mi.
2615 ft.

KUTAY RESIDENCE
36 MCCARTHY DRIVE
OSSINING, NY

LTANKS S106123958
N/A

Relative:
Higher

Actual:
368 ft.

LTANKS:

Name: KUTAY RESIDENCE
Address: 36 MCCARTHY DRIVE
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0311506 / 2004-05-04
Facility ID: 0311506
Site ID: 104843
Spill Date: 2004-01-12
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: jbodee
Referred To: Not reported
Reported to Dept: 2004-01-12
CID: 403
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2004-01-12
Spill Record Last Update: 2004-05-06
Spiller Name: STEVE KUTAY
Spiller Company: STEVE KUTAY
Spiller Address: 36 MCCARTHY DRIVE
Spiller County: 001
Spiller Contact: STEVE
Spiller Phone: (631) 427-5665
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 92559
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 04-07-2004 Spoke with Mr. Kutay and advised him to get a copy of the TTF report before deciding what he should do next. Tank was tested by the potential buyer. Since he hasn't seen the report, he doesn't know why the tank failed. TG 05-04-2004 A spill closure report was submitted by National Environmental Specialists (NES). NES removed the 1,000 gallon tank and 23.18 tons of petroleum impacted soil. A composite sample taken from the tank pit indicated that no TAGM compounds exceeded DEC guidance values. No further action is required. TG "

Remarks: "TANK TEST FAILURE"

All TTF:

Facility ID: 0311506
Spill Number: 0311506
Spill Tank Test: 1528908
Site ID: 104843
Tank Number: Not reported
Tank Size: 550

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KUTAY RESIDENCE (Continued)

S106123958

Material: Not reported
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 03
Test Method 2: Horner EZ Check I or II
Leak Rate: .00
Gross Fail: Not reported
Modified By: Spills
Last Modified Date: Not reported

**47
ESE
1/4-1/2
0.498 mi.
2628 ft.**

**RESIDENCE
16 MCCARTHY ROAD
OSSINING, NY**

**LTANKS S106737755
N/A**

**Relative:
Higher**

**Actual:
381 ft.**

LTANKS:

Name: RESIDENCE
Address: 16 MCCARTHY ROAD
City,State,Zip: OSSINING, NY
Spill Number/Closed Date: 0410864 / 2005-02-27
Facility ID: 0410864
Site ID: 335931
Spill Date: 2005-01-04
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C4
Cleanup Ceased: Not reported
SWIS: 6042
Investigator: JBODee
Referred To: Not reported
Reported to Dept: 2005-01-04
CID: 408
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2005-01-04
Spill Record Last Update: 2005-02-27
Spiller Name: SUSANNA DEMIC
Spiller Company: RESIDENCE
Spiller Address: 16 MCCARTHY ROAD
Spiller County: 001
Spiller Contact: SUSANNA DEMIC
Spiller Phone: (914) 953-8718
Spiller Extention: CELL
DEC Region: 3
DER Facility ID: 271251
DEC Memo: "01/13/05 TESTED FOR ZURICH INSURANCE CLAIM, FAILED VACUUM TEST. SOIL BORINGS TAKEN BY JADE ENVIRONMENTAL WERE ALL NON-DETECT. TANK TO BE ABANDONED IN PLACE. jbo"
Remarks: "TEST METHOD: HORNER EZ 3 LOCATOR PLUS. ELIDGE LEAK, IN THE SIR SPACE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RESIDENCE (Continued)

S106737755

IN THE TANK."

All TTF:

Facility ID: 0410864
Spill Number: 0410864
Spill Tank Test: 1548466
Site ID: 335931
Tank Number: Not reported
Tank Size: 550
Material: 0001
EPA UST: Not reported
UST: Not reported
Cause: Not reported
Source: Not reported
Test Method: 00
Test Method 2: Unknown
Leak Rate: .00
Gross Fail: Not reported
Modified By: Watchdog
Last Modified Date: Not reported

All Materials:

Site ID: 335931
Operable Unit ID: 1097980
Operable Unit: 01
Material ID: 578153
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: G
Recovered: .00
Oxygenate: Not reported

48
WNW
1/2-1
0.749 mi.
3954 ft.

**HARMON RAILROAD YARD - METRO NORTH RR
HARMON RAILROAD YARD
CROTON, NY 10519**

**SHWS S105972567
N/A**

**Relative:
Lower**

SHWS:

**Actual:
15 ft.**

Name: HARMON RAILROAD YARD - METRO NORTH RR
Address: HARMON RAILROAD YARD
City,State,Zip: CROTON, NY 10519
Program: HW
Site Code: 56080
Classification: N
Region: 3
Acres: Not reported
HW Code: 360019
Record Add: 11/18/1999
Record Upd: 09/02/2005
Updated By: RKCORCOR
Site Description: This site is the entire Harmon Railroad Yard excluding the wastewater treatment area. The concern in this site is that soil samples taken in 1984 in eleven areas of the yard were contaminated with PCBs in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARMON RAILROAD YARD - METRO NORTH RR (Continued)

S105972567

various concentrations. General poor housekeeping practices had been noticed in the yard and old drum storage area. This may have resulted in spillage of chemical contaminants. A Phase II Investigation has been completed. According to the Phase II report, the drum storage area, which is currently regulated under RCRA, has drums which reportedly contained waste products generated from operations conducted at the railroad yard and included waste PCBs, spirit waste oils, solvents and metals. Due to the numerous petroleum spills at the site, these contaminants will be addressed in conjunction with the Spill Response program.

Env Problem: A number of contaminants were found in the groundwater exceeding groundwater standards (benzene at 2 ppb, methyl isobutyl ketone at 93 ppb, tetra chloroethene at 8 ppb, trichloroethene at 7 ppb, lead at 755 ppb, pentachlorophenol at 99 ppb). Presence of the solvents in groundwater and their reported use in the railroad yard indicate these solvents have reached the groundwater by a spill or other means. Additional soil samples and floating free product samples from two of the groundwater monitoring wells were collected by DEC in May 1990. The floating free product found in one of the monitoring wells exhibited the hazardous waste characteristic of ignitability. Additional groundwater and floating free product samples from three of the groundwater monitoring wells were collected by DEC staff in October 1991. Results indicate the presence of groundwater contamination, but the presence of hazardous waste could not be confirmed. There are no environmental problems associated with the disposal of hazardous waste at this site. However, there is the potential for impact on a surface water wetland, plants and animals listed as significant species by contamination of the non hazardous waste variety.

Health Problem: Not reported
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: Disp. Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: METRO-NORTH COMMUTER RAILROAD
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E
Owner Name: PETER STANGEL
Owner Company: METRO-NORTH COMMUTER RAILROAD
Owner Address: 347 MADISON AVE.
Owner Addr2: Not reported
Owner City,St,Zip: NEW YORK, NY 10017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HARMON RAILROAD YARD - METRO NORTH RR (Continued)

S105972567

Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN
Owner Name: Not reported
Owner Company: Metro-North Commuter Railroad
Owner Address: 347 Madison Avenue
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10017
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: Metro-North Commuter Railroad
Owner Address: 347 Madison Avenue
Owner Addr2: Not reported
Owner City,St,Zip: New York, NY 10017
Owner Country: United States of America
Own Op: Owner
Sub Type: E
Owner Name: PETER STANGEL
Owner Company: METRO-NORTH COMMUTER RAILROAD
Owner Address: 347 MADISON AVE.
Owner Addr2: Not reported
Owner City,St,Zip: NEW YORK, NY 10017
Owner Country: United States of America
HW Code: Not reported
Waste Type: Not reported
Waste Quantity: Not reported
Waste Code: Not reported
Crossref ID: Not reported
Cross Ref Type Code: Not reported
Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CROTON-ON-HUDSON	S110248254	VIJI DRY CLEANING & LAUNDRY	500 ALBANY POST RD.	10520	DRYCLEANERS
CROTON-ON-HUDSON	S113922110	BELL ATLANTIC DIVESTITURE	404 NEW YORK AND ALBANY POST R	10520	VCP
CROTON-ON-HUDSON	S110246522	EMTEE/D&D CLEANERS	9 S0.RIVERSIDE AV, SHOPRITE PL	10520	DRYCLEANERS
OSSINING	S118707746	KATONAH MANAGEMENT - TTF	BRIARCLIFF SOUTH		LTANKS
OSSINING	S117975645	ST AUGUSTINE CHURCH	EAGLE PARK, ROUTE 9		LTANKS
OSSINING	S105999891	BRIAR CLIFF WOODS B9	OGDEN ROAD		LTANKS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	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: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: N/A
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/13/2020
	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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
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: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
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: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019	Source: EPA
Date Data Arrived at EDR: 12/16/2019	Telephone: 800-424-9346
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 12/16/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: (212) 637-3660
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 03/25/2020
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 11/22/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/22/2019	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 06/08/2020
	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: 12/16/2019

Date Data Arrived at EDR: 12/19/2019

Date Made Active in Reports: 03/06/2020

Number of Days to Update: 78

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/24/2020

Next Scheduled EDR Contact: 07/06/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/11/2019

Date Data Arrived at EDR: 11/12/2019

Date Made Active in Reports: 01/17/2020

Number of Days to Update: 66

Source: Department of Environmental Conservation

Telephone: 518-402-9622

Last EDR Contact: 02/12/2020

Next Scheduled EDR Contact: 05/25/2020

Data Release Frequency: Annually

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

SWF/LF: Facility Register

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: 10/09/2019

Date Data Arrived at EDR: 10/10/2019

Date Made Active in Reports: 12/18/2019

Number of Days to Update: 69

Source: Department of Environmental Conservation

Telephone: 518-402-8678

Last EDR Contact: 04/03/2020

Next Scheduled EDR Contact: 07/13/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019

Date Data Arrived at EDR: 12/04/2019

Date Made Active in Reports: 02/10/2020

Number of Days to Update: 68

Source: EPA Region 10

Telephone: 206-553-2857

Last EDR Contact: 01/24/2020

Next Scheduled EDR Contact: 05/04/2020

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: 10/01/2019

Date Data Arrived at EDR: 12/04/2019

Date Made Active in Reports: 02/10/2020

Number of Days to Update: 68

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 01/24/2020

Next Scheduled EDR Contact: 05/04/2020

Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/11/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 12/18/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 74

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/04/2020
	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: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	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: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 05/04/2020
	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: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 01/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/04/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TANKS: Storage Tank Facility Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 12/18/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 12/19/2019	Telephone: 518-402-9543
Date Made Active in Reports: 03/02/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 12/16/2019	Source: New York City Department of City Planning
Date Data Arrived at EDR: 12/17/2019	Telephone: 212-720-3300
Date Made Active in Reports: 03/02/2020	Last EDR Contact: 03/20/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Varies

RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/16/2019	Source: NYC Department of City Planning
Date Data Arrived at EDR: 12/16/2019	Telephone: 212-720-3401
Date Made Active in Reports: 03/02/2020	Last EDR Contact: 03/20/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/11/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/12/2019	Telephone: 518-402-9553
Date Made Active in Reports: 01/17/2020	Last EDR Contact: 02/12/2020
Number of Days to Update: 66	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/11/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/12/2019	Telephone: 518-402-9553
Date Made Active in Reports: 01/17/2020	Last EDR Contact: 02/12/2020
Number of Days to Update: 66	Next Scheduled EDR Contact: 05/25/2020
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC
New York City voluntary cleanup program sites.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 64

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 03/16/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008
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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/02/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: 202-566-2777
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 03/17/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/06/2018	Telephone: 518-402-8694
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 03/09/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 10/09/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/10/2019	Telephone: 518-402-8678
Date Made Active in Reports: 12/18/2019	Last EDR Contact: 04/03/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/27/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Varies

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
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: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/12/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/12/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Registered Storage Tanks

SUFFOLK CO TANKS: Storage Tank Database

Facilities that have no tank information

Date of Government Version: 06/28/2018

Date Data Arrived at EDR: 02/05/2019

Date Made Active in Reports: 03/08/2019

Number of Days to Update: 31

Source: Department of Health Services

Telephone: 631-854-2516

Last EDR Contact: 01/27/2020

Next Scheduled EDR Contact: 05/11/2020

Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002

Date Data Arrived at EDR: 06/02/2006

Date Made Active in Reports: 07/20/2006

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Last EDR Contact: 10/23/2006

Next Scheduled EDR Contact: 01/22/2007

Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002

Date Data Arrived at EDR: 06/02/2006

Date Made Active in Reports: 07/20/2006

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Last EDR Contact: 10/23/2006

Next Scheduled EDR Contact: 01/22/2007

Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/04/2019

Date Data Arrived at EDR: 11/05/2019

Date Made Active in Reports: 01/14/2020

Number of Days to Update: 70

Source: Office of the State Comptroller

Telephone: 518-474-9034

Last EDR Contact: 03/02/2020

Next Scheduled EDR Contact: 05/18/2020

Data Release Frequency: Quarterly

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: 01/30/2020

Date Data Arrived at EDR: 02/05/2020

Date Made Active in Reports: 02/14/2020

Number of Days to Update: 9

Source: Environmental Protection Agency

Telephone: 202-564-6023

Last EDR Contact: 04/02/2020

Next Scheduled EDR Contact: 07/13/2020

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/11/2019
Date Data Arrived at EDR: 11/11/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
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: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
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
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
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: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 01/21/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/04/2020
	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: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 04/02/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/18/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/20/2020
	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: 03/26/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
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: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
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: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

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: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
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: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
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: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
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: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/14/2019
Date Data Arrived at EDR: 08/14/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/08/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/10/2019
Date Made Active in Reports: 12/18/2019
Number of Days to Update: 69

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 07/12/2019
Date Data Arrived at EDR: 12/09/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 59

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 01/16/2020
Date Made Active in Reports: 03/26/2020
Number of Days to Update: 70

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/02/2019
Date Made Active in Reports: 09/06/2019
Number of Days to Update: 66

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 03/01/2019
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 91

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/14/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/17/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmental Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/14/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/06/2020
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/04/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 01/14/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/25/2020
Number of Days to Update: 70

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 01/15/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 New York.

Date of Government Version: N/A	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	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 New York.

Date of Government Version: N/A	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/20/2019	Telephone: 607-753-5035
Date Made Active in Reports: 10/16/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019	Source: Cortland County Health Department
Date Data Arrived at EDR: 08/20/2019	Telephone: 607-753-5035
Date Made Active in Reports: 10/16/2019	Last EDR Contact: 01/27/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 05/11/2020
	Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017	Source: Nassau County Health Department
Date Data Arrived at EDR: 01/11/2017	Telephone: 516-571-3314
Date Made Active in Reports: 02/15/2017	Last EDR Contact: 01/26/2020
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/10/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST NCFM: Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County

A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/26/2020
Next Scheduled EDR Contact: 05/10/2020
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County. Rockland County's Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County. Rockland County's Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST - SUFFOLK: Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

UST - SUFFOLK: Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 3

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 3

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Semi-Annually

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: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

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

Electric Power Transmission Line Data

Source: Endeavor Business Media

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

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

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: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED BATTERY STORAGE PROJECT
381 N. HIGHLAND AVENUE
OSSINING, NY 10562

TARGET PROPERTY COORDINATES

Latitude (North):	41.184707 - 41° 11' 4.95"
Longitude (West):	73.874026 - 73° 52' 26.49"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	594434.7
UTM Y (Meters):	4559660.5
Elevation:	88 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940135 OSSINING, NY
Version Date:	2013
West Map:	5939743 HAVERSTRAW, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two 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).

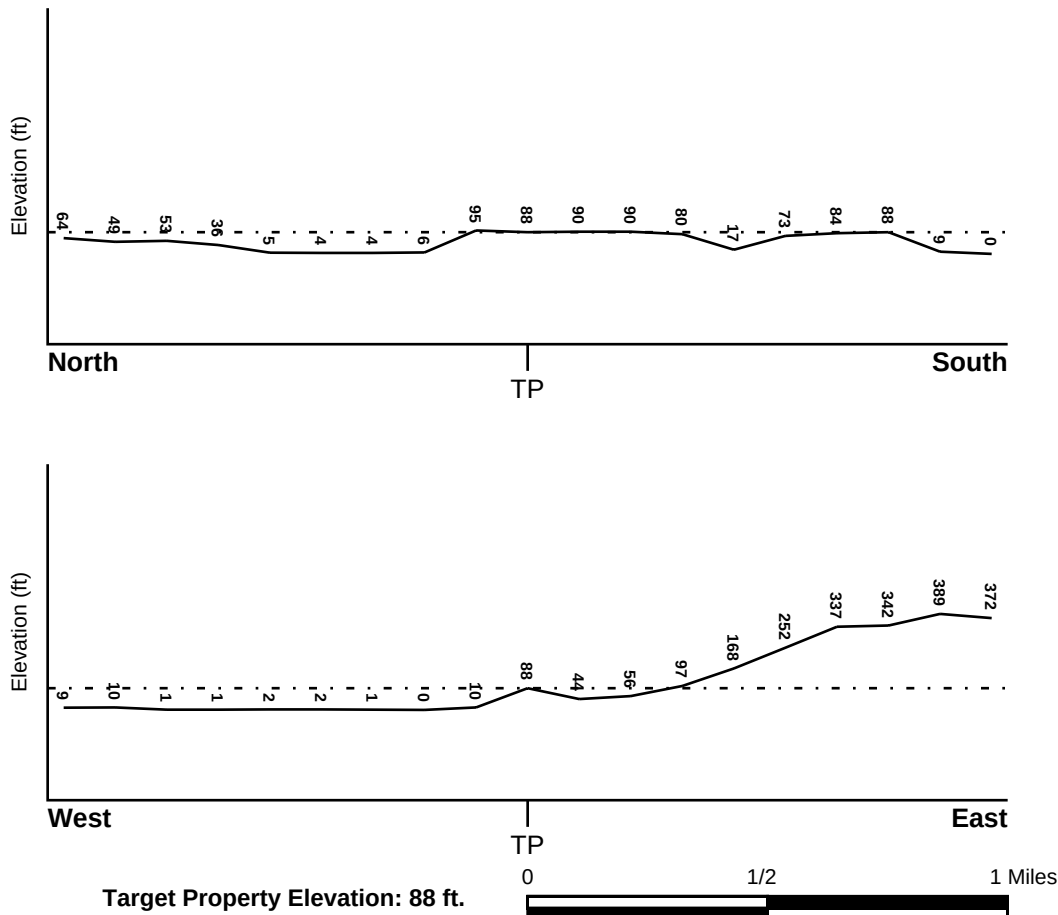
TOPOGRAPHIC INFORMATION

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 NW

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>
36119C0136F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
36119C0109F	FEMA FIRM Flood data
36119C0128F	FEMA FIRM Flood data
36087C0117G	FEMA FIRM Flood data
36119C0117F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
OSSINING	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 06035780.2r



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Proposed Battery Storage Project
ADDRESS: 381 N. Highland Avenue
Ossining NY 10562
LAT/LONG: 41.184707 / 73.874026

CLIENT: EBI Consulting
CONTACT: API User
INQUIRY #: 06035780.2r
DATE: April 08, 2020 5:23 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 3

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 4

Soil Component Name: Sutton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 4	Max: 6 Min: 4.5
2	9 inches	27 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 4	Max: 6 Min: 4.5
3	27 inches	59 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Riverhead

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.3 Min: 4.5
2	5 inches	25 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.3 Min: 4.5
3	25 inches	29 inches	loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.3 Min: 4.5
4	29 inches	59 inches	loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 141	Max: 7.3 Min: 4.5

Soil Map ID: 6

Soil Component Name: Udorthents

Soil Surface Texture: gravelly loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 84 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 7

Soil Component Name: Palms

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	48 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:
3	48 inches	61 inches	loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Map ID: 8

Soil Component Name: Water

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 9

Soil Component Name: Hollis

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 excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	1 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	16 inches	20 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 10

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 12

Soil Component Name: Unadilla

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt 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: 141 Min: 14	Max: 7.8 Min: 5.1
2	12 inches	31 inches	very 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: 141 Min: 14	Max: 7.8 Min: 5.1
3	31 inches	59 inches	very 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: 141 Min: 14	Max: 7.8 Min: 5.1

Soil Map ID: 13

Soil Component Name: Urban land

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 14

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 15

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 16

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 17

Soil Component Name: Urban land

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000840059	1/4 - 1/2 Mile NNE
3	USGS40000840089	1/2 - 1 Mile ENE
4	USGS40000840241	1/2 - 1 Mile NNE
5	USGS40000840285	1/2 - 1 Mile NNE
6	USGS40000840233	1/2 - 1 Mile NW
7	USGS40000839868	1/2 - 1 Mile ESE
8	USGS40000840202	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

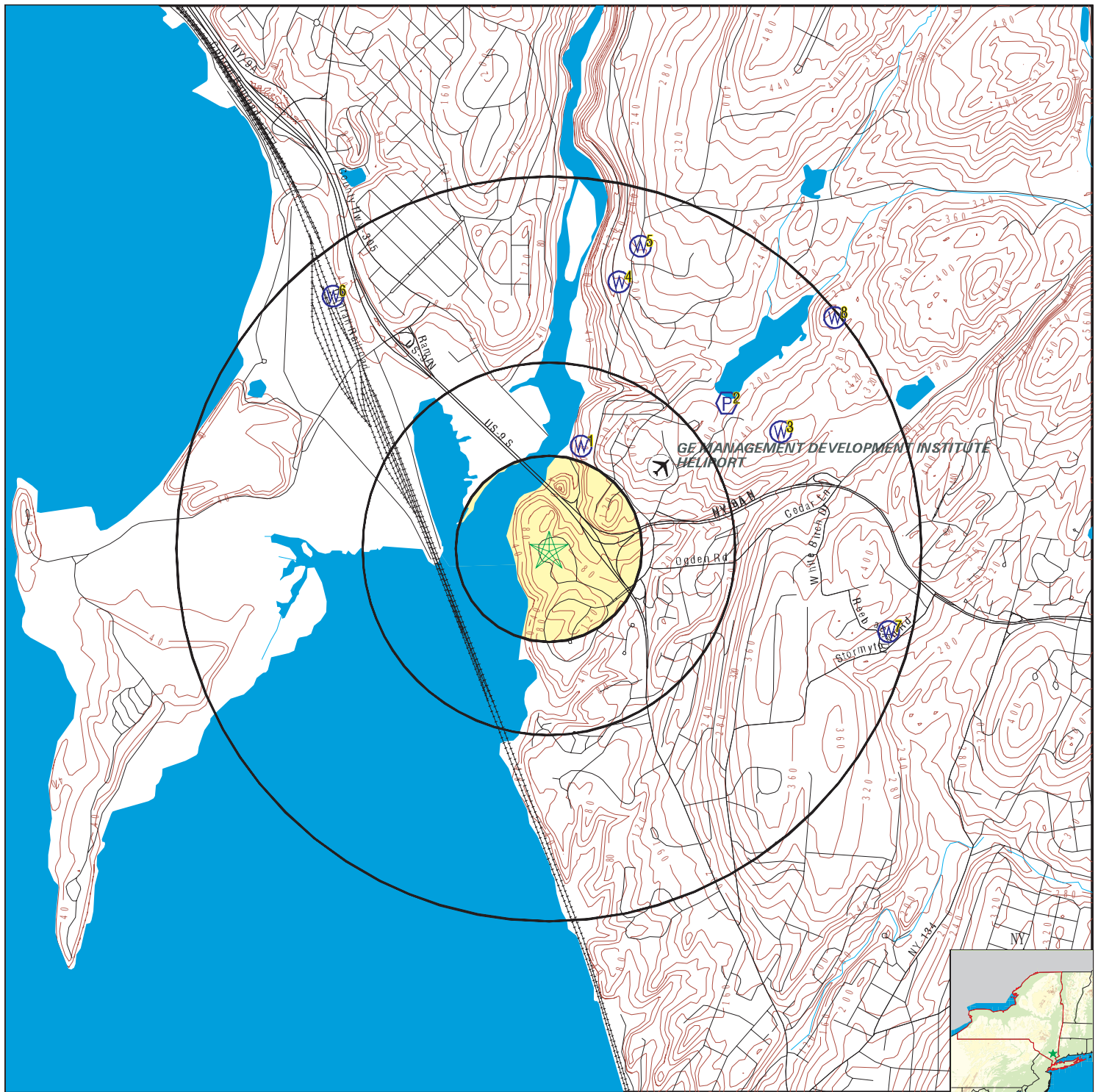
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	NY0003451	1/2 - 1 Mile NE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

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

PHYSICAL SETTING SOURCE MAP - 06035780.2r



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

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

SITE NAME: Proposed Battery Storage Project
 ADDRESS: 381 N. Highland Avenue
 Ossining NY 10562
 LAT/LONG: 41.184707 / 73.874026

CLIENT: EBI Consulting
 CONTACT: API User
 INQUIRY #: 06035780.2r
 DATE: April 08, 2020 5:22 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

NNE

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

FED USGS

USGS40000840059

Organization ID: USGS-NY
Monitor Location: WE 348
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 225
Well Hole Depth: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

2

NE

**1/2 - 1 Mile
Higher**

FRDS PWS

NY0003451

PWS ID: NY0003451
PWS name: FAIELLA GENNARO
PWS address: 16 CROTON AVENUE
PWS state: NY
PWS ID: NY0003451
Date system activated: Not Reported
Retail population: 00030000
System address: Not Reported
System city: OSSINING
System zip: 10562

PWS type: System Owner/Responsible Party
PWS address: OSSINING VILLAGE BOARD
PWS city: OSSINING
PWS zip: 10562
Activity status: Active
Date system deactivated: Not Reported
System name: OSSINING WATER DEPARTMENT
System address: RESERVOIR ROAD
System state: NY

County FIPS: 059

City served: OSSINING

Latitude: 410934

Longitude: 0734912

Latitude: 411125

Longitude: 0735155

3

ENE

**1/2 - 1 Mile
Higher**

FED USGS

USGS40000840089

Organization ID: USGS-NY
Monitor Location: WE1176
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 196
Well Hole Depth: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000840241

Organization ID: USGS-NY
Monitor Location: WE1352
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 327
Well Hole Depth: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

5
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000840285

Organization ID: USGS-NY
Monitor Location: WE1403
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 242
Well Hole Depth: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

6
NW
1/2 - 1 Mile
Lower

FED USGS USGS40000840233

Organization ID: USGS-NY
Monitor Location: WE 247
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Sand and gravel aquifers (glaciated regions)
Formation Type: Sand and Gravel
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Aquifer Type: Not Reported
Well Depth: 199
Well Hole Depth: Not Reported

7
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000839868

Organization ID: USGS-NY
Monitor Location: WE 380
Description: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 107
Well Hole Depth: Not Reported

Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

8
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000840202

Organization ID: USGS-NY
Monitor Location: WE1402
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Not Reported
Aquifer Type: Not Reported
Well Depth: 107
Well Hole Depth: Not Reported

Organization Name: USGS New York Water Science Center
Type: Well
HUC: 02030101
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported
Formation Type: Bedrock
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
WESTCHESTER	BEDFORD	108	2.44	1.65	21.7
WESTCHESTER	CORTLANDT	169	5.15	2.22	95.4
WESTCHESTER	EASTCHESTER	76	2.89	1.75	41.9
WESTCHESTER	GREENBURGH	222	2.26	1.46	21.8
WESTCHESTER	HARRISON	69	3.3	2.07	42.3
WESTCHESTER	LEWISBORO	72	3.91	2.61	19.2
WESTCHESTER	MAMARONECK	123	4	2.42	35.9
WESTCHESTER	MT. KISCO	38	2.33	1.72	9.3
WESTCHESTER	MT. PLEASANT	172	2.13	1.43	17.1
WESTCHESTER	MT. VERNON	53	2.82	1.65	32
WESTCHESTER	NEW CASTLE	134	2.2	1.46	31.7
WESTCHESTER	NEW ROCHELLE	127	1.92	1.31	13.8
WESTCHESTER	NO. CASTLE	64	3.49	2.25	16.5
WESTCHESTER	NO. SALEM	56	3.78	2.56	25.7
WESTCHESTER	OSSINING	65	2.08	1.39	10.9
WESTCHESTER	PEEKSKILL	47	3.66	2.34	19.9
WESTCHESTER	PELHAM	26	2.5	1.91	9.1
WESTCHESTER	POUND RIDGE	34	3.37	2.22	18.5
WESTCHESTER	RYE	98	2.24	1.63	9.5
WESTCHESTER	SCARSDALE	138	2.35	1.63	22.4
WESTCHESTER	SOMERS	72	3.89	2.82	21.3
WESTCHESTER	WHITE PLAINS	132	2.76	1.48	65.2
WESTCHESTER	YONKERS	153	2.23	1.37	16
WESTCHESTER	YORKTOWN	181	2.7	1.72	27.2

Federal EPA Radon Zone for WESTCHESTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for WESTCHESTER COUNTY, NY

Number of sites tested: 650

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.930 pCi/L	97%	3%	0%
Basement	1.730 pCi/L	84%	13%	2%

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: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

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

New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

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 IRAA 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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

This Report contains certain products owned by or licensed by Tele Atlas North America, Inc. ("TANA") and licensed to EDR pursuant to an agreement between EDR and TANA (the "TANA Agreement"). Such products include the Dynamap®/2000 (commencing with the most current version, nationwide coverage, ArcInfo™format, tiled by county, with semi-annual Updates) and are referred to in this Report as the "Licensed Products".

The use of the Licensed Products with a non-TANA map may result in increased variance between the location displayed on the map and ground truth location.

The recipient of the Report (hereinafter referred to as an "End User") shall use such Report solely for its internal purposes and not for resale.

U.S. GOVERNMENT RIGHTS. If End User is an agency, department, or other entity of the United States Government, or funded in whole or in part by the United States Government, then use, duplication, reproduction, release, modification, disclosure or transfer of this commercial product and accompanying documentation, is restricted in accordance with the LIMITED or RESTRICTED rights as described in DFARS 252.227-7014(a)(1) (JUN 1995) (DOD commercial computer software definition), DFARS 227.7202-1 (DOD policy on commercial computer software), FAR 52.227-19 (JUN 1987) (commercial computer software clause for civilian agencies), DFARS 252.227-7015 (NOV 1995) (DOD technical data – commercial items clause); FAR 52.227-14 Alternates I, II, and III (JUN 1987) (civilian agency technical data and noncommercial computer software clause); and/or FAR 12.211 and FAR 12.212 (commercial item acquisitions), as applicable. In case of conflict between any of the FAR and DFARS provisions listed herein, the construction that provides greater limitations on the Government's rights shall control. Contractor/manufacture is Tele Atlas North America, Inc., 11 Lafayette Street, Lebanon, NH 03766-1445. Phone: 603.643. 0330. The Licensed Products are ©1984-2008 by Tele Atlas North America, Inc. ALL RIGHTS RESERVED. For purpose of any public disclosure provision under any federal, state or local law, it is agreed that the Licensed Products are a trade secret and a proprietary commercial product and not subject to disclosure.

If End User is an agency, department, or other entity of any State government, the United States Government or any other public entity or funded in whole or in part by the United States Government, such End User agrees to protect the Licensed Products from public disclosure and to consider the Licensed Products exempt from any statute, law, regulation, or code, including any Sunshine Act, Public Records Act, Freedom of Information Act, or equivalent, which permits public access and/or reproduction or use of the Licensed Products. In the event that such exemption is challenged under any such laws, any and all right to retain any copies or to use of the Licensed Products shall be terminated and considered immediately null and void. Any copies of the Licensed Products held by End User shall immediately be destroyed. If any court of competent jurisdiction considers this clause void and unenforceable, in whole or in part, for any reason, then all Licensed Products previously delivered to End User will be destroyed.



ST AUGUSTINE CHURCH
EAGLE PARK, ROUTE 9
OSSINING, NY

Inquiry Number:
April 27, 2020

EDR Site Report™



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

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases.

Section 1: Facility Detail Reports Page 3

All available detailed information from databases where sites are identified.

Section 2: Databases and Update Information. Page 4

Name, source, update dates, contact phone number and description of each of the databases for this report.

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

SECTION 1: FACILITY DETAIL REPORTS

ST AUGUSTINE CHURCH
EAGLE PARK, ROUTE 9
OSSINING, NY
EDR ID #S117975645

Databases:

LTANKS: Spills Information Database

LTANKS:

Name:	ST AUGUSTINE CHURCH
Address:	EAGLE PARK, ROUTE 9
City,State,Zip:	OSSINING, NY
Spill Number/Closed Date:	1502087 / 2015-07-20
Facility ID:	1502087
Site ID:	508335
Spill Date:	2015-05-27
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6042
Investigator:	RDBENDEL
Referred To:	Not reported
Reported to Dept:	2015-05-27
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2015-05-27
Spill Record Last Update:	2015-07-20
Spiller Name:	RAY HILER
Spiller Company:	ST AUGUSTINE CHURCH
Spiller Address:	EAGLE PARK/ UNKNONW ADDRESS
Spiller County:	999
Spiller Contact:	RAY HILER
Spiller Phone:	(914) 760-7834
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	463040
DEC Memo:	"5/27/15- WCDOH reports this is a PBS site, # 3-800262. WCDOH, W. Schneider will be following up. DT 07-20-15 WCHD requests NFA RDB"
Remarks:	"test failure, removal pending"

All Materials:

Site ID:	508335
Operable Unit ID:	1257648
Operable Unit:	01
Material ID:	2260674
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

SECTION 2: DATABASES AND UPDATE DATES

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

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

NY LTANKS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/07/2020

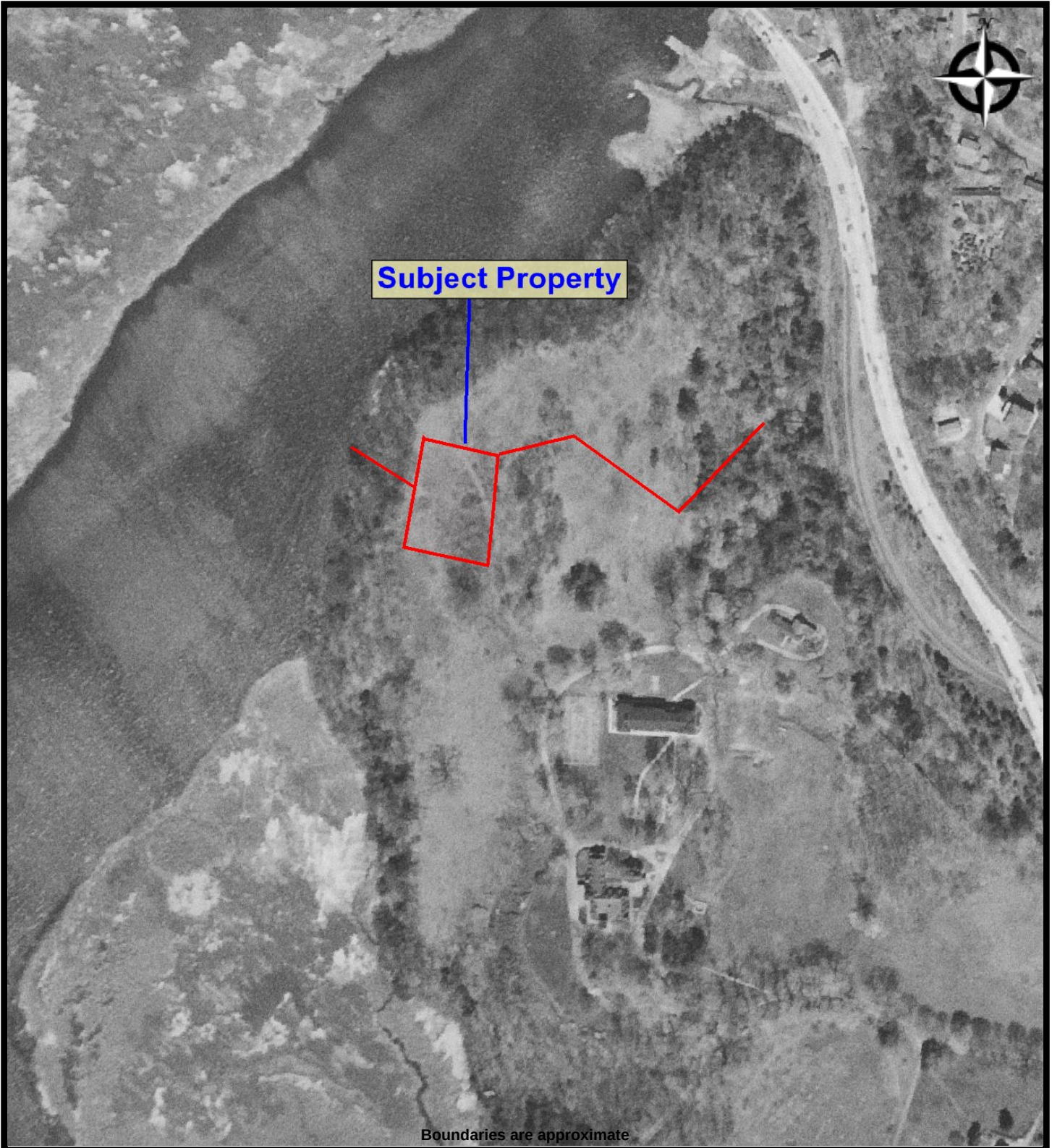
Database Release Frequency: Varies

Date of Last EDR Contact: 02/07/2020

Date of Next Scheduled Update: 05/25/2020

Appendix F

Historical Documentation



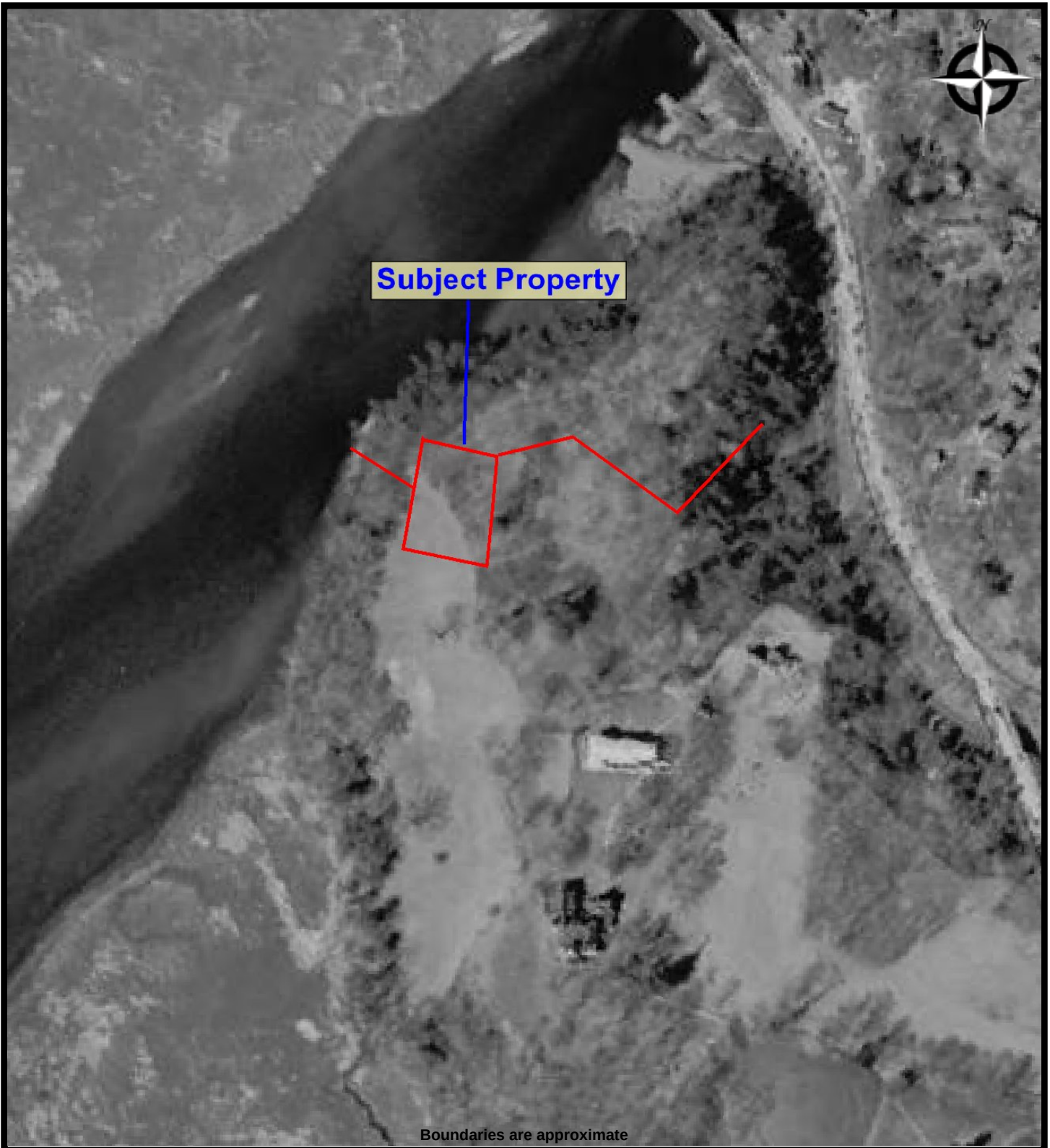
Boundaries are approximate



AERIAL - 1953
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



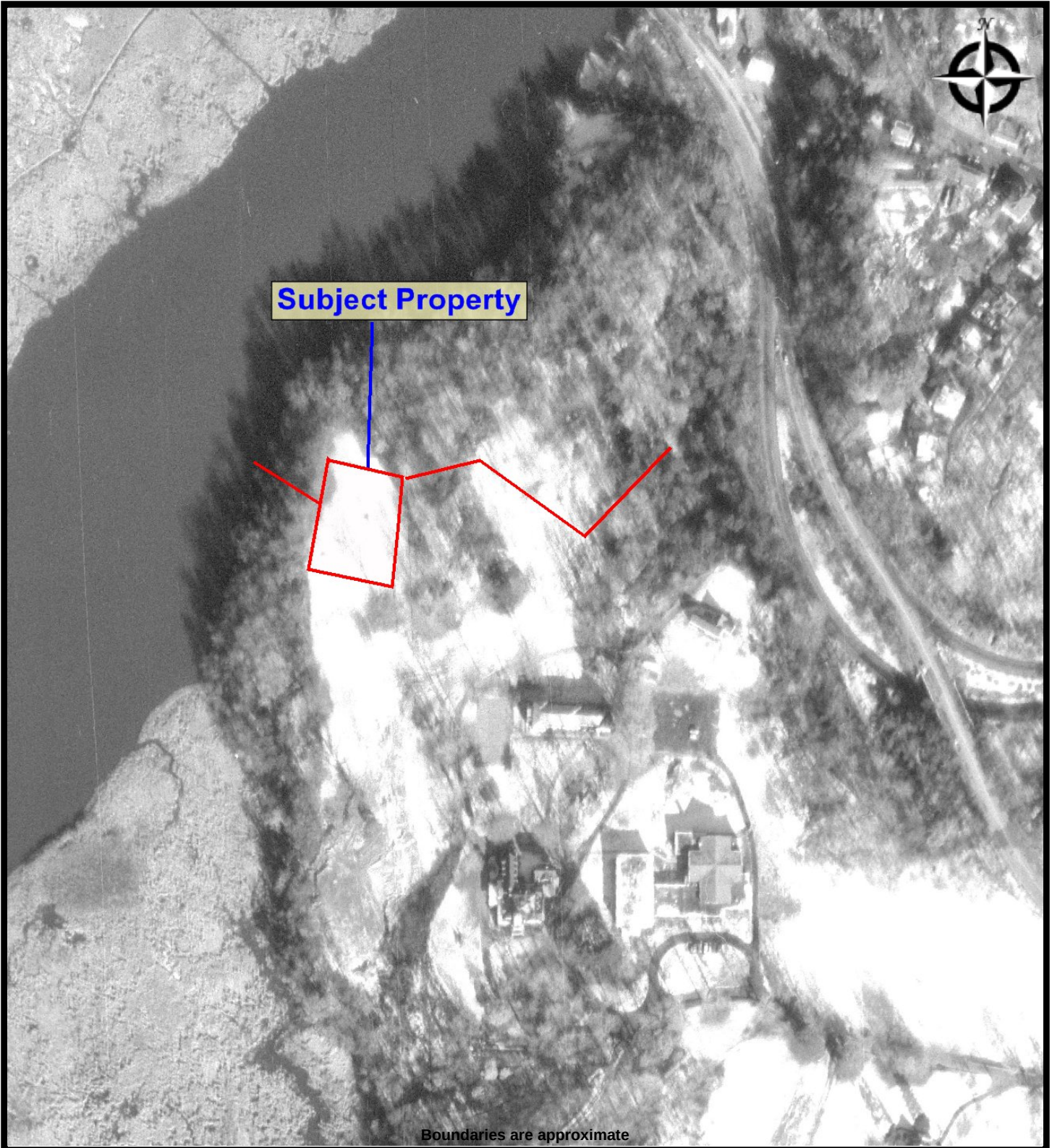
Boundaries are approximate



AERIAL - 1957
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

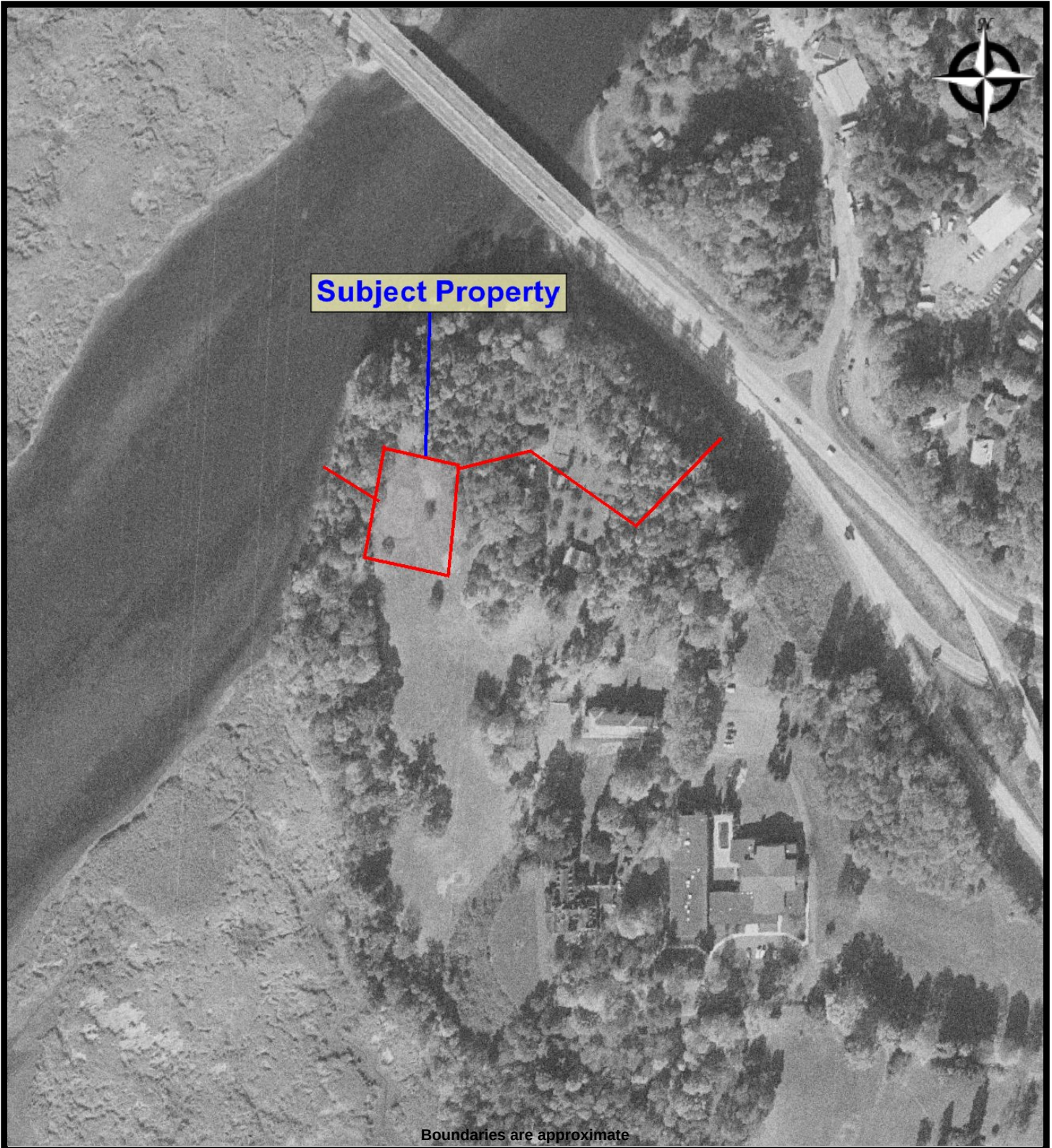
DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 1961
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



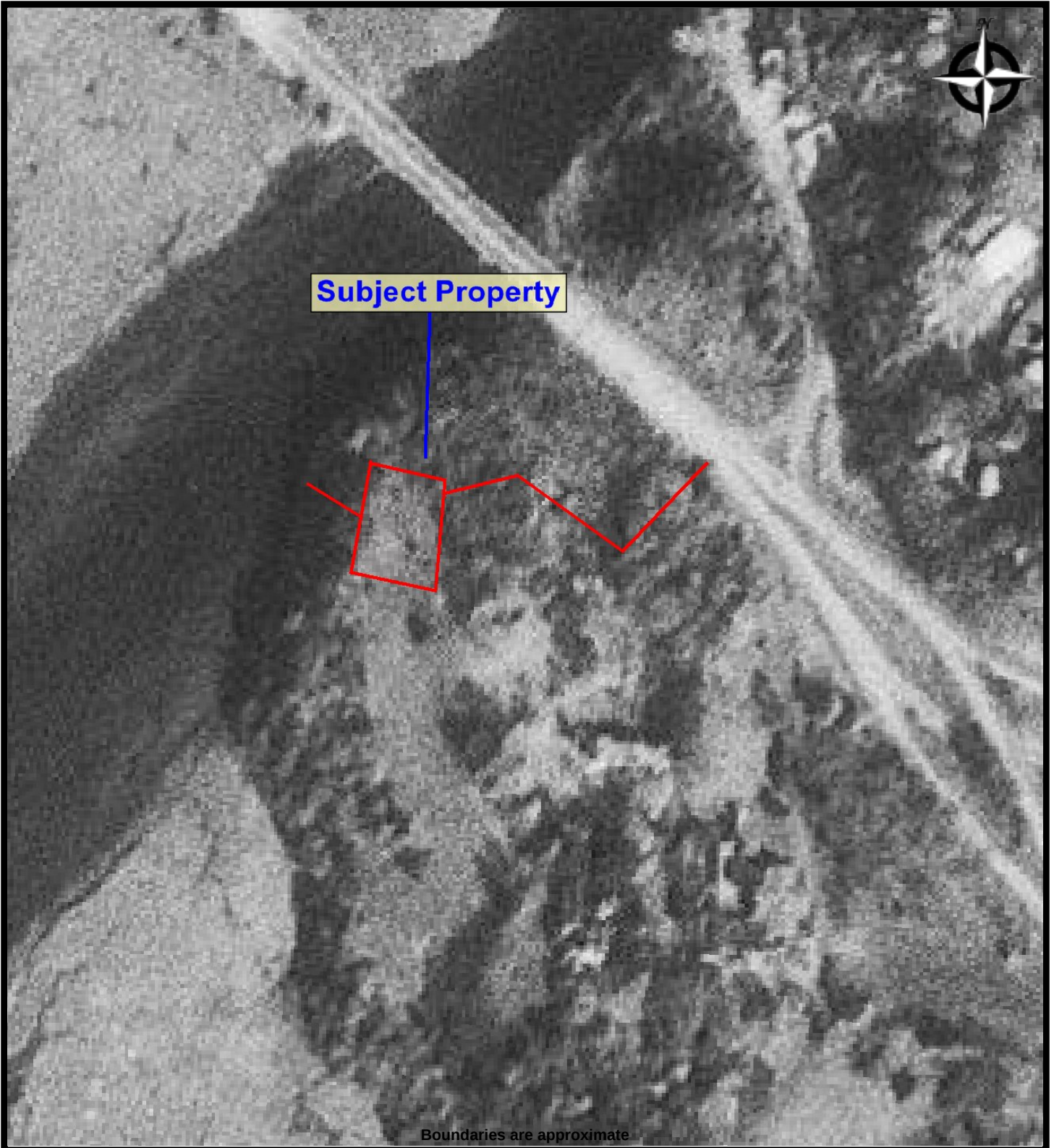
Boundaries are approximate



AERIAL - 1974
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 1976
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



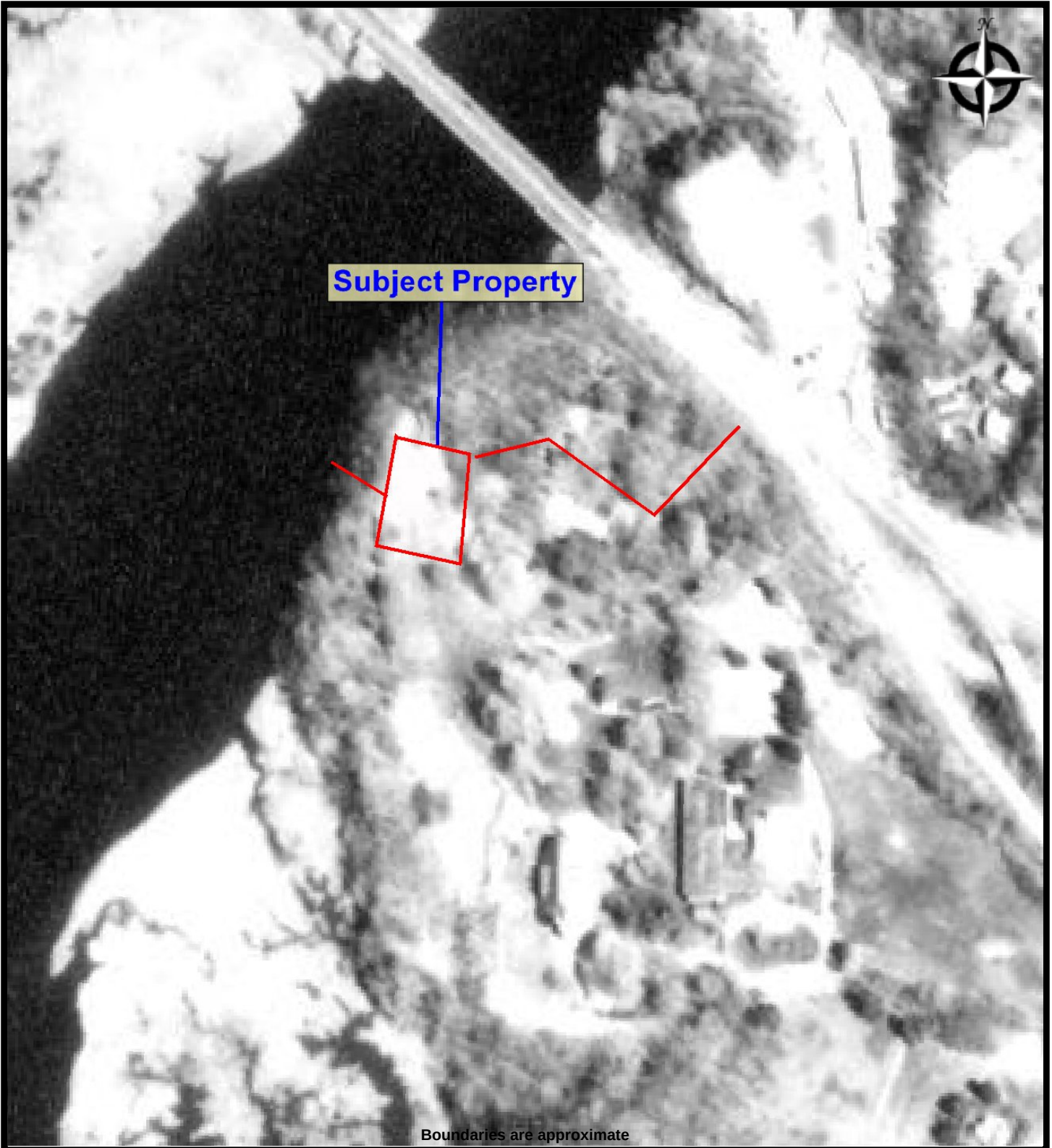
Boundaries are approximate



AERIAL - 1985
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 1989
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 1994
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 2006
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



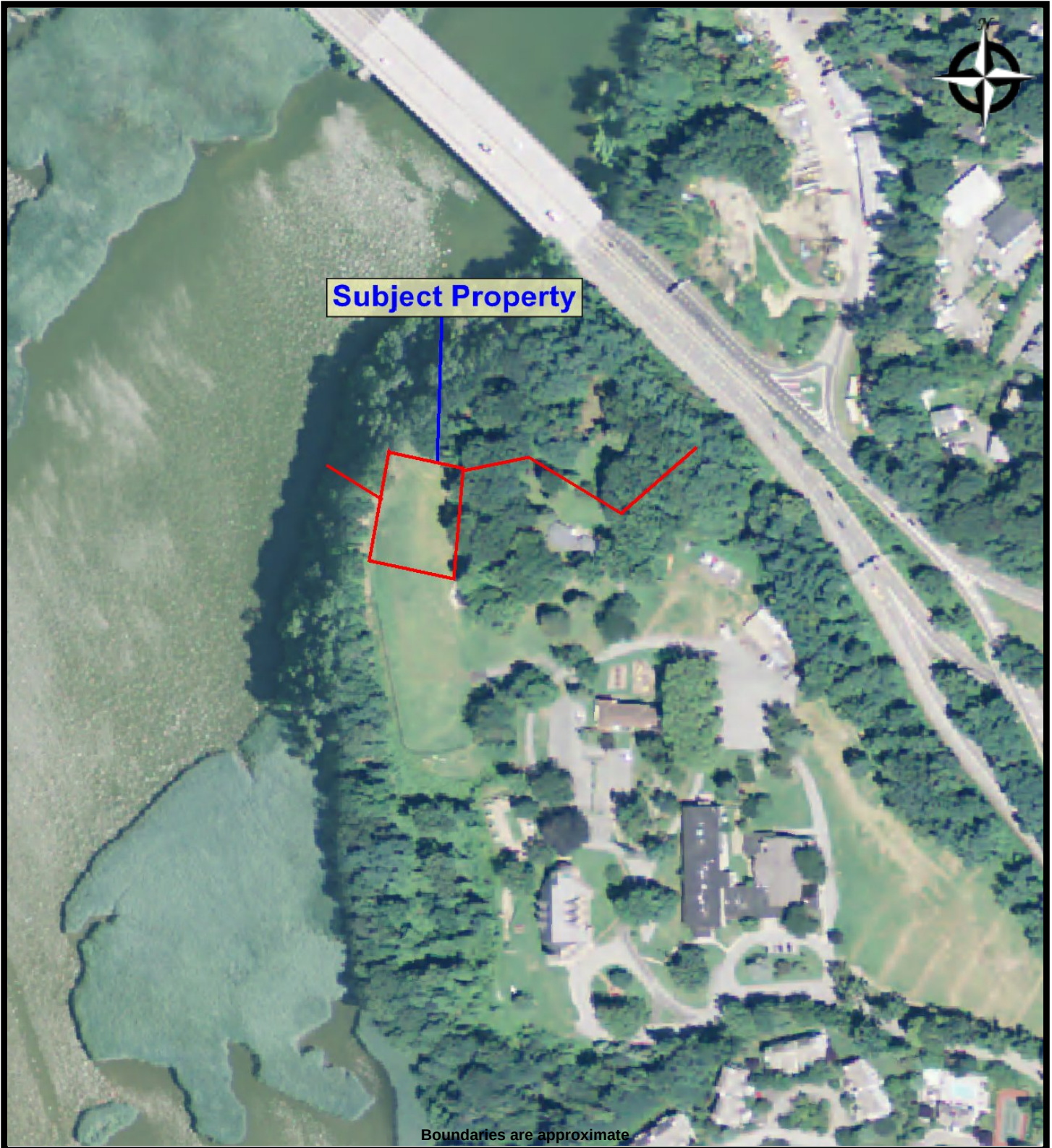
Boundaries are approximate



AERIAL - 2009
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



AERIAL - 2013
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



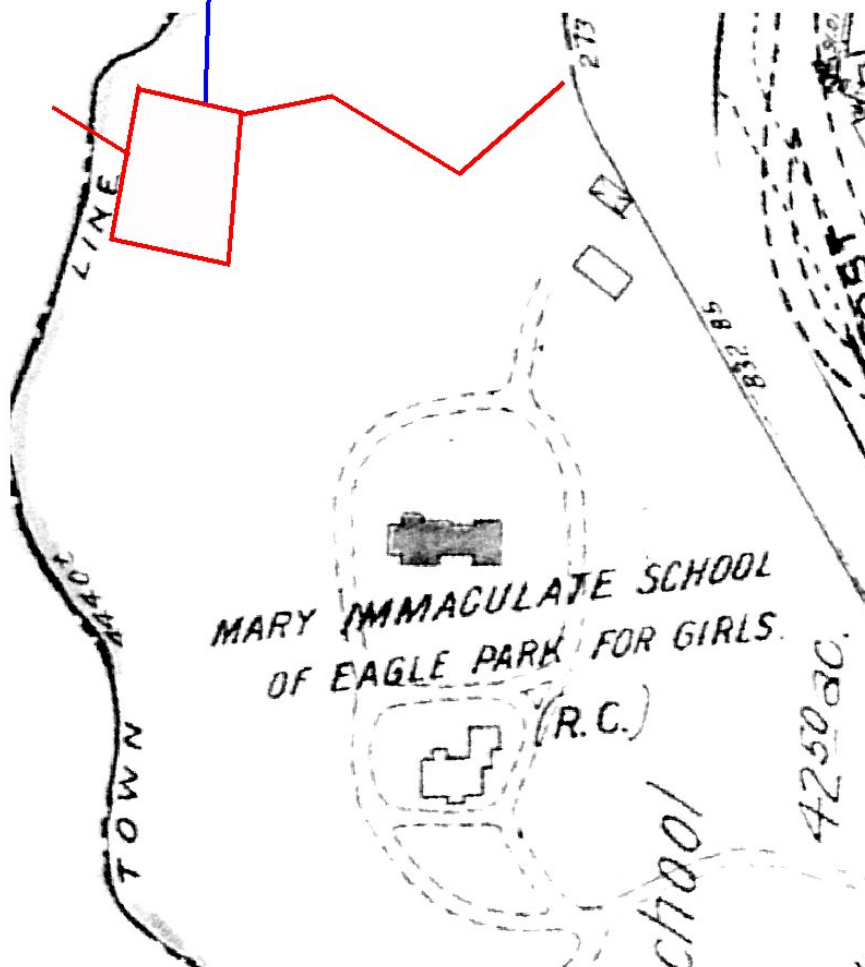
AERIAL - 2017
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



Subject Property



Boundaries are approximate



EBI Consulting
environmental | engineering | due diligence

SANBORN - 1942
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



Boundaries are approximate

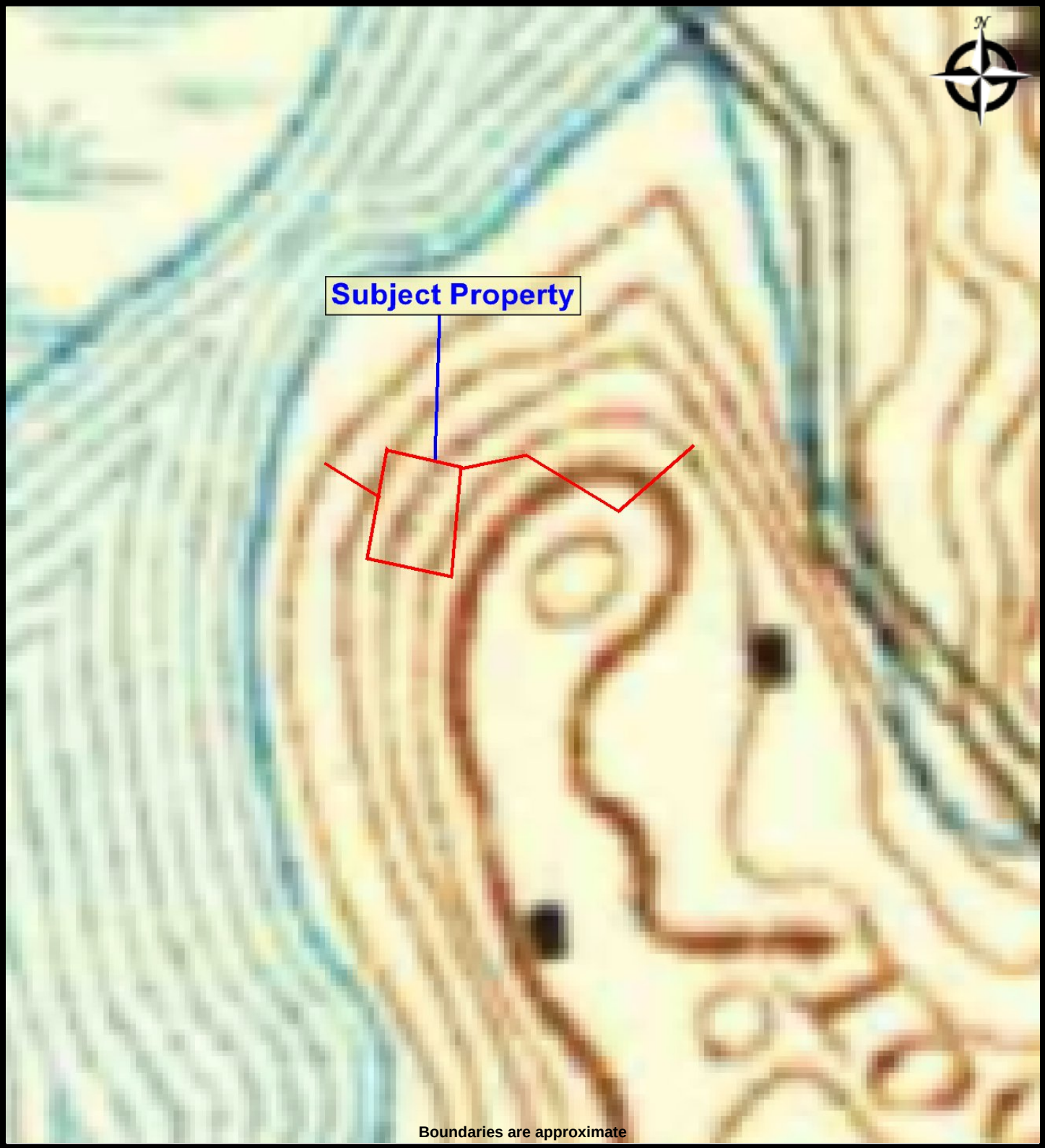


EBI Consulting
environmental | engineering | due diligence

TOPO MAP - 1892
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



Boundaries are approximate



EBI Consulting
environmental | engineering | due diligence

TOPO MAP - 1893
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

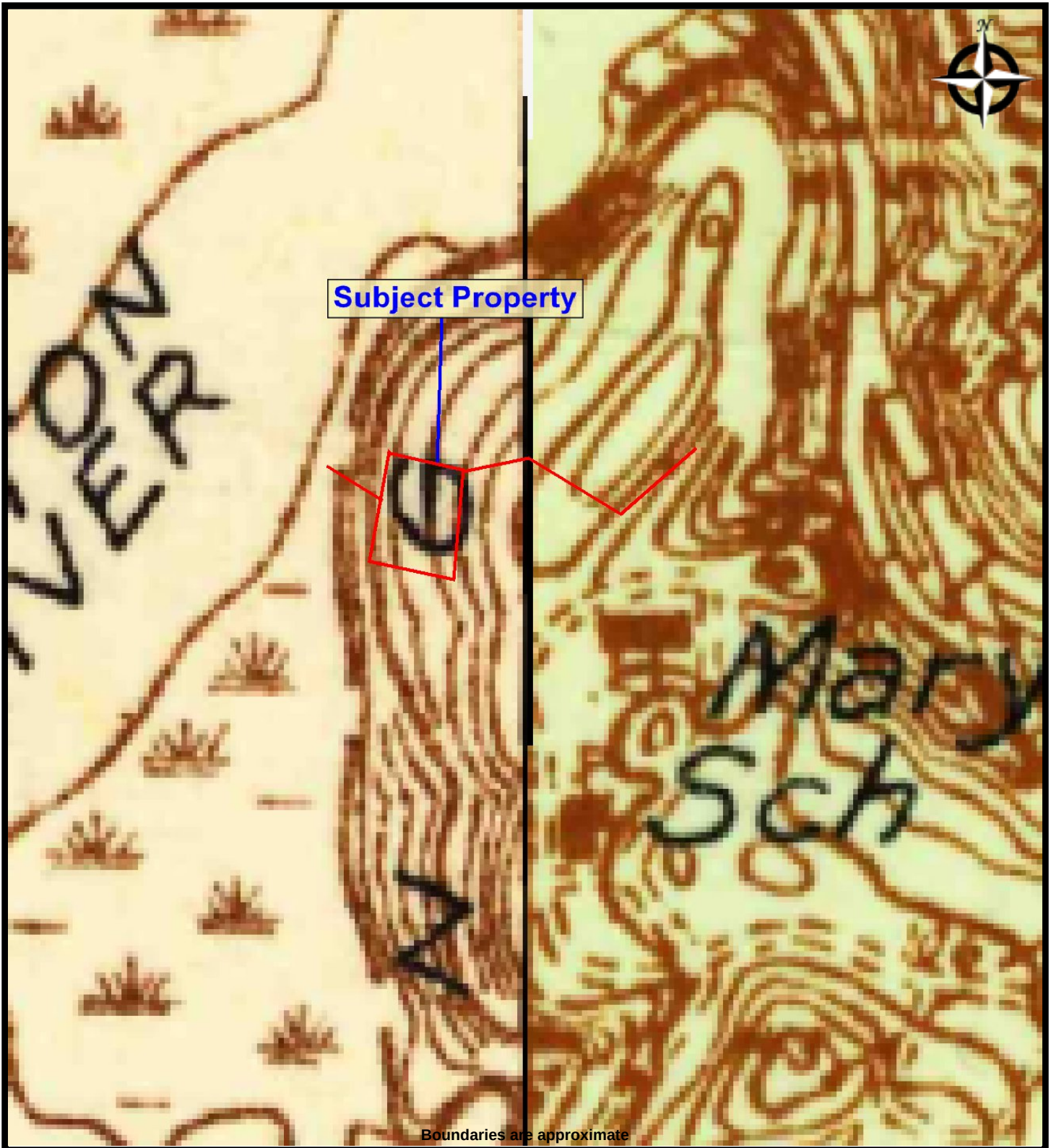
DATE: 4/22/2020
PROJ. #: 1120001957



TOPO MAP - 1902
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

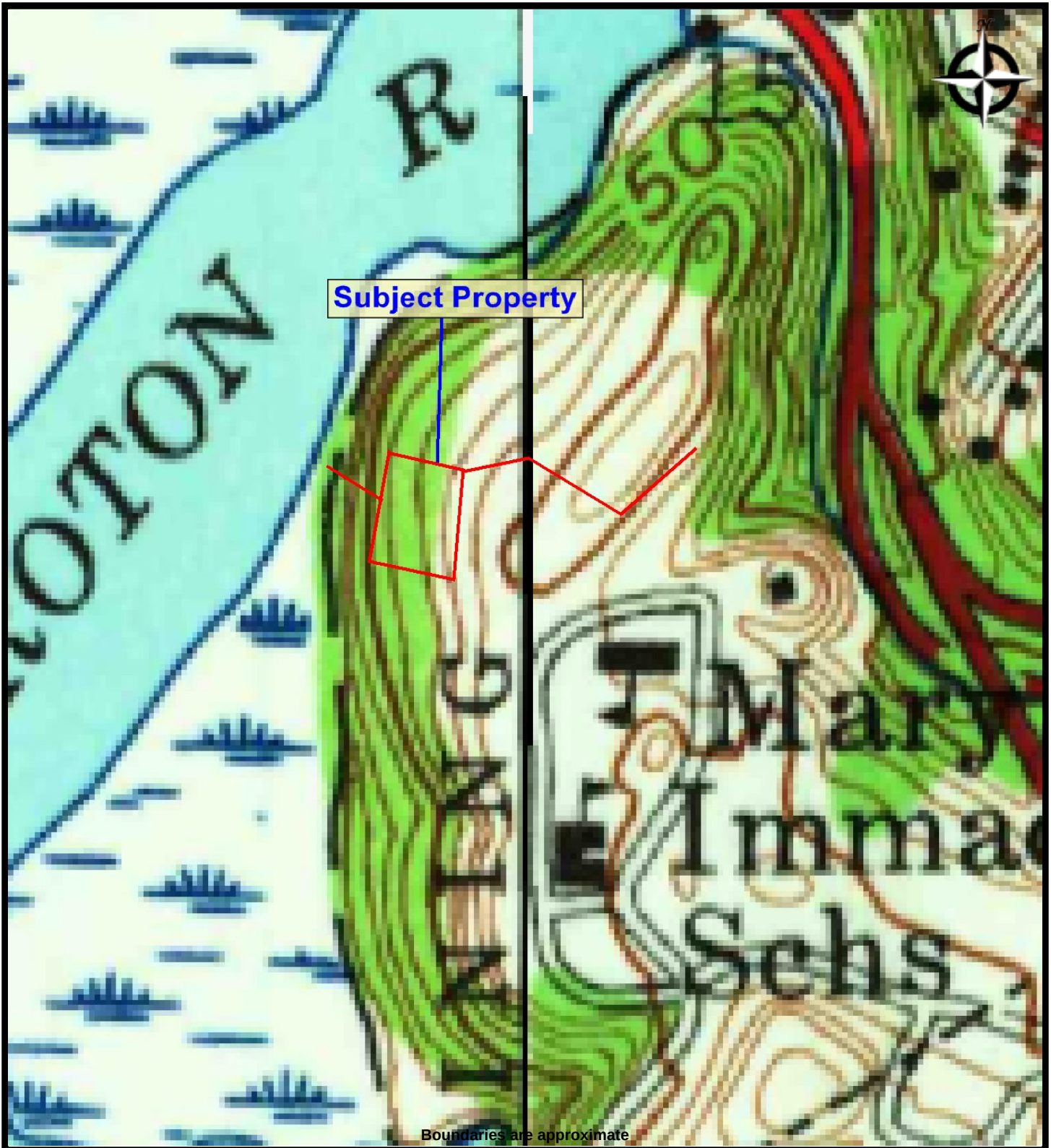
DATE: 4/22/2020
PROJ. #: 1120001957



TOPO MAP - 1936
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957

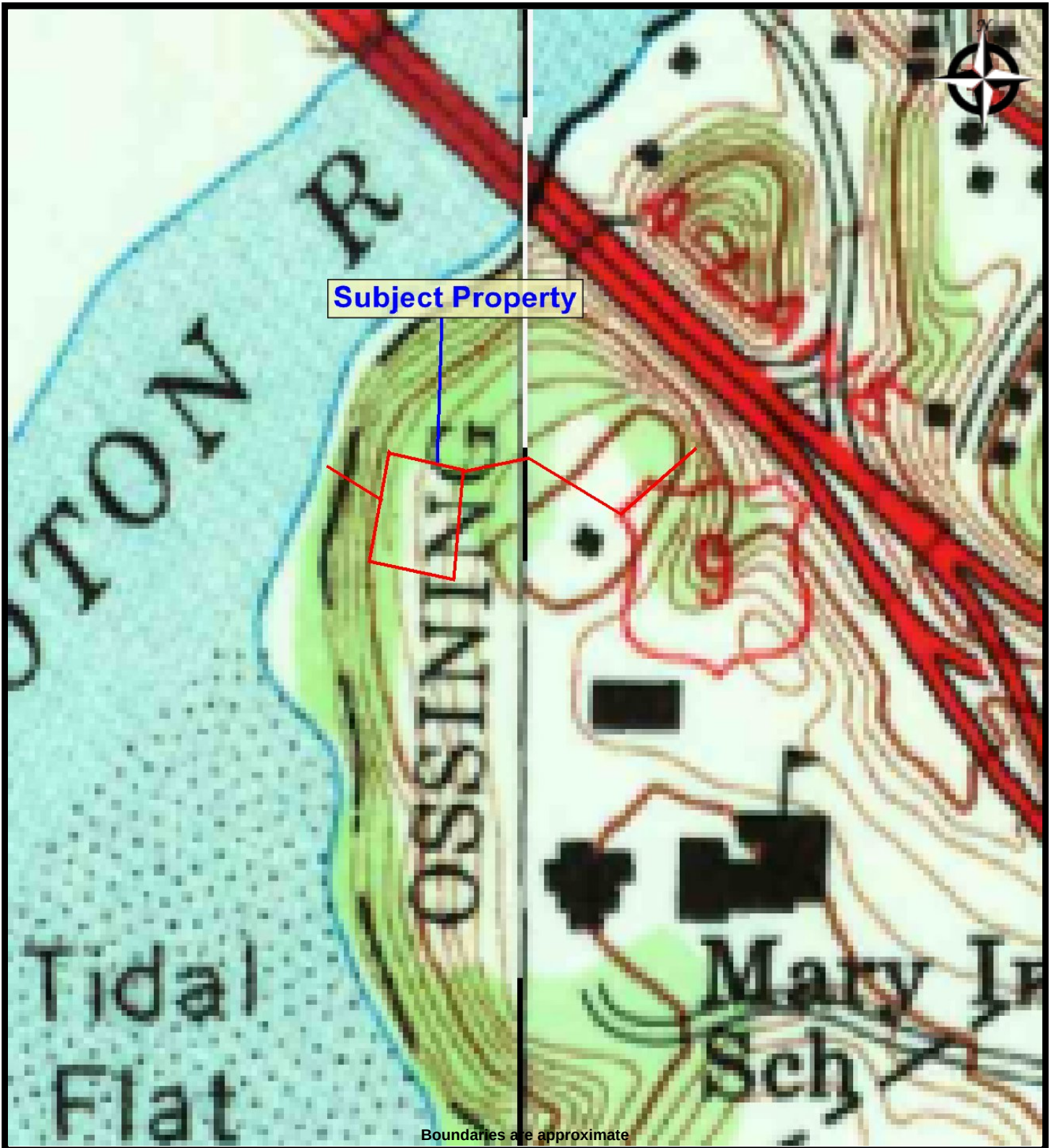


EBI Consulting
environmental | engineering | due diligence

TOPO MAP - 1955
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

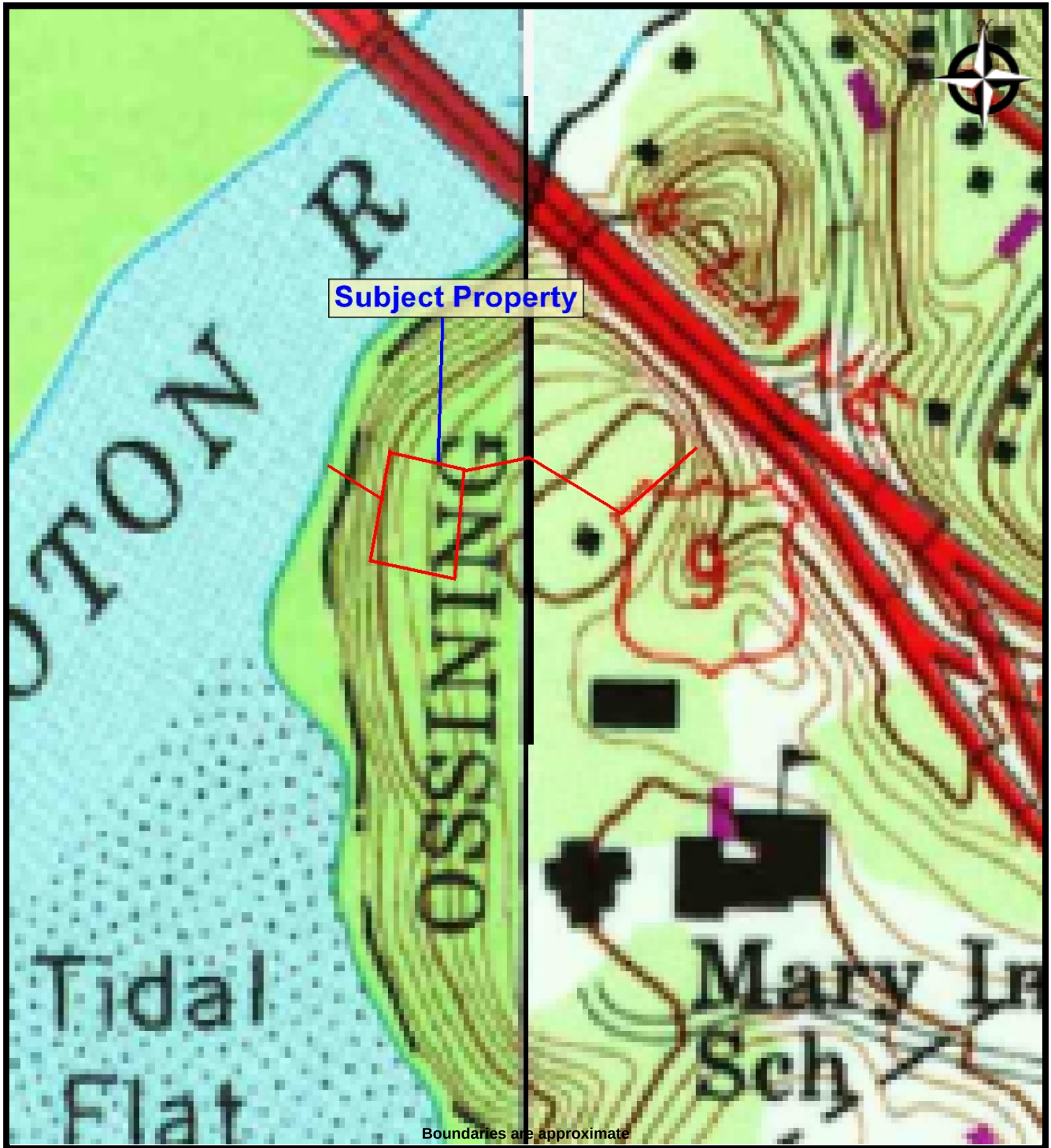
DATE: 4/22/2020
PROJ. #: 1120001957



TOPO MAP - 1967
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



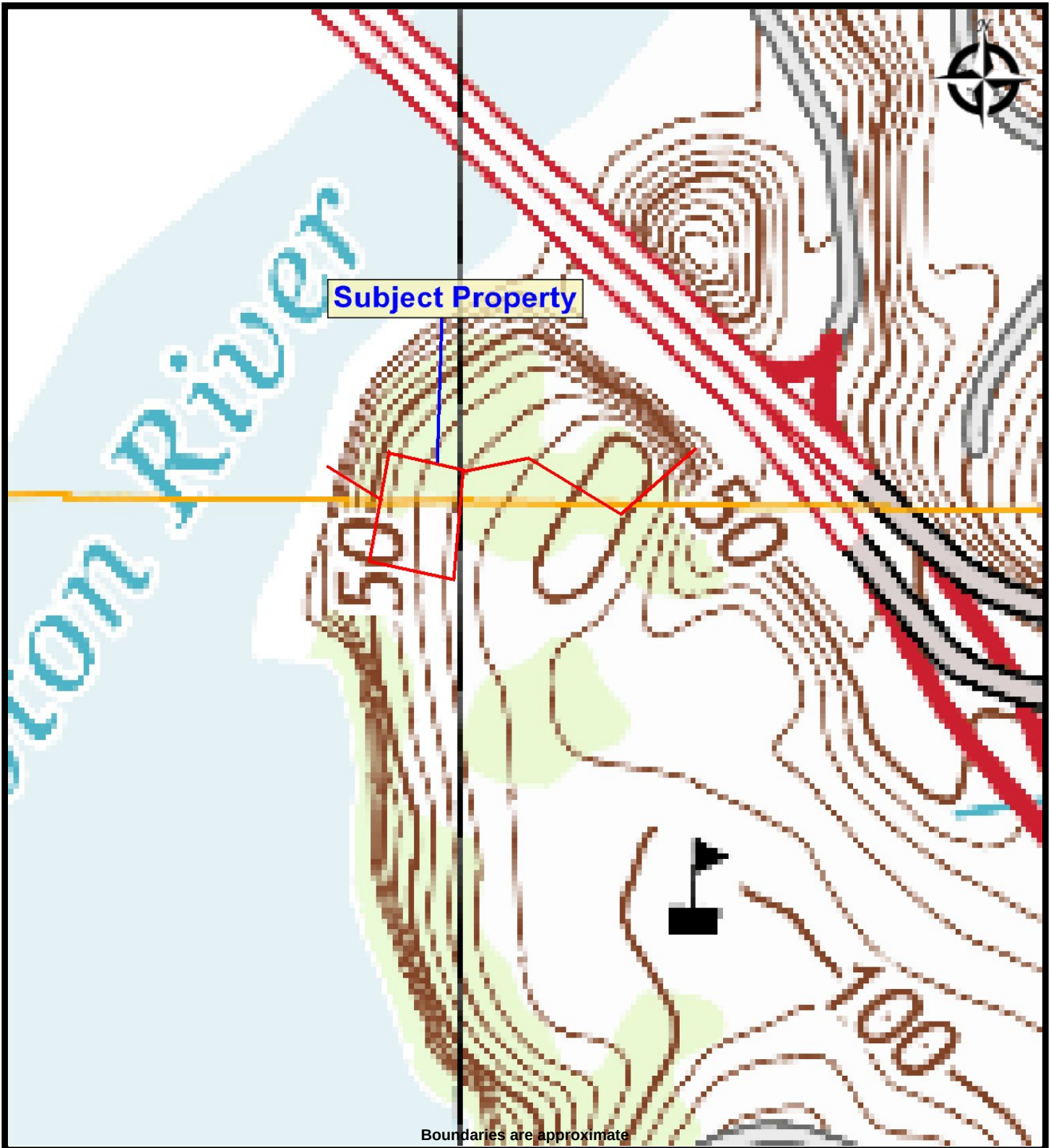
Boundaries are approximate



TOPO MAP - 1979
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957



TOPO MAP - 2013
1120001957 PROPOSED BATTERY STORAGE PROJECT NEW YORK
381 N. Highland Avenue
Ossining, New York 10562

PROJ. MGR: Jon Hickey
DRAWN BY: Linda Bajraktari

DATE: 4/22/2020
PROJ. #: 1120001957

Proposed Battery Storage Project

381 N. Highland Avenue
Ossining, NY 10562

Inquiry Number: 6035780.5
April 09, 2020

The EDR-City Directory Image Report



Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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

Data by

infoUSA[®]

Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	☒	☐	EDR Digital Archive
2014	☒	☐	EDR Digital Archive
2010	☒	☐	EDR Digital Archive
2005	☒	☐	EDR Digital Archive
2000	☒	☐	EDR Digital Archive
1995	☒	☐	EDR Digital Archive
1992	☒	☐	EDR Digital Archive
1987	☒	☐	Cole Criss-Cross Directory
1982	☒	☐	Cole Criss-Cross Directory
1977	☒	☐	Cole Criss-Cross Directory
1972	☒	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

381 N. Highland Avenue
Ossining, NY 10562

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

N HIGHLAND AVE

2017	pg A2	EDR Digital Archive
2014	pg A8	EDR Digital Archive
2010	pg A12	EDR Digital Archive
2005	pg A15	EDR Digital Archive
2000	pg A20	EDR Digital Archive
1995	pg A24	EDR Digital Archive
1992	pg A26	EDR Digital Archive
1987	pg A28	Cole Criss-Cross Directory
1982	pg A29	Cole Criss-Cross Directory
1977	pg A30	Cole Criss-Cross Directory
1972	pg A31	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

N HIGHLAND AVE 2017

167	PERA, JACINTO A
170	MAVIS DISCOUNT TIRE
171	GAS WITH CLASS LTD
	GETTY GAS STA
	SEDKAM INC
172	BROTHERS FISH & CHIPS
	JIN TOWN NAIL SALON
	JOEL STYLIST
	JOELS BARBER SHOP
	ROBERT WILK DDS
173	BRANDON FURNITURE
	GRANITE ROCK STUDIOS
176	HUDSON VETERINARY HOSPITAL
177	ARCE, MISTER
179	HUDSON VALLEY MOTORCYCLES SALES INC
	WEST CHESTER AUTO COLLISION LLC
183	KLEVERS AUTO REPAIR
185	GETTY GAS STATION
	M & S GAS MART
186	BARREIRO, MILDRED T
188	WHALEN, JAMES L
190	EMERGENCY LOCKSMITH A1
	HIGHLAND ORIENTAL CHINESE RESTAURANT
191	DDS DINER
	RIVER VIEW DINER
192	SALS PIZZA & PASTA
	YOUR EMERGENCY LOCKSMITH
196	ALL AMERICAN KARATE STUDIO
198	LIN, CHIN L
202	BELLOSO, DORA M
203	C & A ITALIAN SPECIALTIES INC
	CARDELLA WINES & LIQUORS INC
	EUROSTYLE MARBLE & GRANITE INC
	HUDSON ORGANIC CLEANERS
	JL PRINT
	SALON ALICIA
	TINOS AUTO REPAIR
207	DOMINICAN SISTERS
208	CAMPS TAXI
	TRIGGER CAR CORP
210	DEEGAN, BILL J
	MONTAGUE, DAVID A
211	A & P COLLISION INC
	A & P SERVICE
	ART BARN
	HIGHLAND CLEANERS INC
	LAUR LEE SPORTS
	SEESIGNS DOT NET
212	AA ROYAL WEDDING CENTER
	BKG BOUTIQUE

N HIGHLAND AVE

2017

(Cont'd)

217 ABBOTT, KENNETH S
ABREU, EDUARDO R
ADAMS, BENJAMIN
AGURTO, CARLA
ALDOUS, KENNETH E
ARIAS, ANGELA
AVALON BAY OSSINING
AVALON OSSINING
AVALONBAY COMMUNITIES INC
BARRETO, MICHELLE C
BENZING, WALTER G
BHATT, NEHA
BLAU, ALLISON T
BROMLEY, MICHAEL T
BURROWS, BRENN A
CANTAMESSA, DANIEL
CARVER, SHANEVEA
CIMAGLIA, NICHOLAS
COLABATTISTA, BERARDINO
CONNOLLY, DIANA C
CORNEILLE, KENNETH J
COX, TIMOTHY E
CROESE, PETER J
CUNEO, JOAN G
DABIR, POORNIMA
DELAHAYE, MATTHIEU
DELGADO, JEIKO I
DEVLIN, CHARLES F
EISENBERG, DAVID J
ENGELHARD CORPORATION
FACCONE, MATTHEW C
FORMISANO, MARY P
FORSETH, JAMIE
FRANCIS, RICHARD
GARRITY, SHAWN C
GIRONDA, ROBERT A
GLICKSMAN, JONATHAN J
GOODWIN, JACOB C
GRAY, LEAH
GRIFFIN, THOMAS
HARRIS, LUCRISHA
HASHIMOTO, JENNI
HESS, DAVID
HILDEBRAND, JOSEPH
ICHINO, MAYUMI
IRIZARRY, MICHELE R
IRIZARRY, TERRANCE T
KAMAT, AMEET
KANN, JEFF E
KAPLAN, SARAH

N HIGHLAND AVE

2017

(Cont'd)

217	KLARNET, MATTHEW
	MALDONADO, LORI
	MALISZEWSKI, ROBERT J
	MALONEY, MICHAEL J
	MARMO, LIAM
	MARRONE, DAVID V
	MCGORRY, BRIDGET
	MCGOVERN, LAWRENCE F
	MCGUCKIN, MATTHEW J
	MCKINLEY, CAROLIN S
	MICHELSON, BRETT
	MOYLA, VITTORIO
	MULLIN, MATTHEW A
	MUNAFO, MARIA L
	NELSON, ERIC R
	OGRADY, SHARON
	ONLEY, KENNETH A
	PARES, MICHELE Y
	POTEL, MARK J
	POWERS, KRISTI
	RODRIGUE, TZOUMPE N
	ROLLINS, NIHKESH
	RYSKA, JEFFREY E
	SABATER, HAROLD A
	SAUNDERS, IRENE A
	SCHEIER, ZACHARY
	SELIG, KEN S
	SEYMOUR, VACHAEN
	SMILEY, ALLEN M
	SPRATT, WILLIAM T
	STATTEL, STEPHANIE C
	STRAIGHT, ANNE M
	SUBIA, TANYA P
	SULLIVAN, KIM
	SZABO, ANDRAS S
	TARANTO, DORA
	TAVAREZ, PAMELA
	TROIANO, VICTORIA
	VERRE, URSULA A
	VINE, ALEX L
	WALSH, MICHAEL T
	WHITE, JEANNE B
	WU, JINGSI
	YU, JIM
	ZHAO, LINGYUAN
	ZULOAGA, ZULEMA
220	DELMONTE, GONZALO D
	DELMONTE, KARROLL
225	ALL ABOARD CHILDCARE EDUCATION CENTE
226	BELTONE

N HIGHLAND AVE

2017

(Cont'd)

226 RAYAL DENTAL LAB
 RAYAL DENTAL LAB INC
 TONY'S SHOE REPAIR
 TRI STATE HEARING LLC
 228 ROWE, COLIN
 230 7ELEVEN
 232 BRIAR CLIFF TRAVEL SERVICE INC
 DAMIAN CLEANERS
 ELITAS DELI
 SKYWAY TRAVEL SVCE INC
 237 MANICCHIO BROTHERS INC
 SHELL
 238 ANYTIME EMERGENCY LOCKSMITH
 D ITALIA PIZZERIA
 EURO PIZZA OF OSSINING
 JULIO CRUZ B J J
 LEGENDS TAX SERVICES INC
 MOLLY MAID
 MOLLY MAID OF WESTCHESTER
 WESTCHESTER ARC
 246 KITCHENS, ROBERT A
 255 ALL ABOARD CHILDCARE EDUCATION CENTE
 299 DOMINICA SISTERS HOPE
 DOMINICAN SISTERS FAMILY HEALTH SERV
 DOMINICAN SISTERS FAMILY HEALTH SVCE
 FLIK INTERNATIONAL CORP
 LOCAL LOCKSMITH
 MARCHESANI, JANET S
 MARIANDALE DOMINICAN SISTERS OF THE
 300 ARMONK AUTO LOCKSMITH
 HERNANDEZ, ALFREDO
 PEEKSKILL PLUMBING CONSTRUCTION CO
 310 BREAKTHROUGH PUBLICATIONS
 CAREMOUNT MEDICAL
 CHARLES ABATE MD
 CUMMINS MD PHD DEAN R
 DEAN R CUMMINS MD PHD
 DR MARINELA DEMETERIO MD
 DR RONALD CHODOSH MD PC
 HUDSON VALLEY DIAGNOSTIC IMAGING PC
 MAURICE TANNENBAUM MD
 MD PHD CUMMINS DEAN R
 PAUL J MAGLIONE PODIATRIST
 320 FAMILY VETERINARY CARE
 321 ARONOW, EUGENE
 ATRIA ON THE HUDSON
 ATRIA SENIOR LIVING
 BARASH, ROSLYN B
 BARD, ELEANOR
 BAUSE, MARJORIE M

N HIGHLAND AVE

2017

(Cont'd)

321	BELKIND, FRANCINE J
	BLAUSTEIN, JOYCE E
	BRUNO, FRANK A
	CARLSON, VICTORIA
	CLOUSEAU, J
	DOLAN, GLADYS C
	DOWNS, VIRGINIA C
	DOYLE, CHARLES A
	EFTHIMION, PHILIP C
	ENGEL, JOHN H
	EPSTEIN, STEPHEN S
	FISHER, MONA
	FRUHLING, JOHN J
	FULTON, JOHN
	GERGELY, JULIE
	GNAT, EMANUEL C
	GUIDA, ORLANDO C
	HAMSHIRE, JOAN M
	HOCHMAN, ALAN B
	JACOBSON, ANITA
	JOHNSON, JACQUELINEA
	KNOBLOCH, NELDA D
	KRAEMER, JEAN C
	LANGE, LORRAINE N
	LEVY, DORIS B
	MARCUS, GLENN
	MARTOCCIA, CAROL M
	MINNITI, JOSEPH G
	MIRSKY, ALLISON
	OBRIEN, CAROLYN F
	OREILLY, MARY T
	PAUL, SIDNEY W
	PERILLO, MICHAEL G
	PORCELLI, HELENA
	REICH, N
	REINO, PATRICIA A
	RODGERS, AUDREY T
	RUBINSTEIN, GRETA G
	SCHELLING, ERNEST P
	TIMMINGS, JUEL M
	TODARO, ALBERT C
	TUNIMAN, TESSIE S
	WALTER, MARK T
	WESTON PAXXON
	WU, ANTHONY H
325	GENTLE CHIROPRACTIC
	HOYE TEXTILE CORP
	NEIL CARNOW ARCHT
327	MYSTIC POINT HOA
345	GREEN THUMB SEASONAL NURSERY

N HIGHLAND AVE

2017

(Cont'd)

381 CATHOLIC CHURCH SAINT AUGUSTINES
ST AUGUSTINES SCHOOL

N HIGHLAND AVE 2014

167	PERA, JACINTO A
170	MAVIS DISCOUNT TIRE
171	GAS WITH CLASS LIMITED
	GETTY GASOLINE STATION
	SEDKAM INCORPORATED
172	BARBERIA JOEL
	BROTHERS
	BROTHERS FISH N CHIPS
	JOEL STYLIST
	TOWN NAIL SALON
	WILK ROBERT DDS
173	BRANDON FURNITURE
176	HUDSON VETERINARY HOSPITAL
	ZEITZ, GLENN
177	ARCE, MISTER
179	HUDSON VALLEY MOTORCYLCES SALES INCO
	WEST CHESTER AUTOMOBILE COLLISION LL
183	KLEVERS AUTOMOBILE REPAIR
185	GETTY GASOLINE STATION
	M & S GAS MART
186	BARREIRO, MILDRED T
188	WHALEN, JAMES L
190	EMERGENCY LOCKSMITH A1
192	SALS PIZZA & PASTA
	YOUR EMERGENCY LOCKSMITH
196	ALL AMERICAN KARATE STUDIO
198	OCCUPANT UNKNOWN,
202	BELLOSO, DORA M
	TAPIA, OLGA E
203	C & A ITALIAN SPECIALTIES INC
	CARDELLA WINES & LIQUORS INC
	EUROSTYLE MARBLE & GRANITE INC
	HIGHLAND CLEANERS INCORPORATED
	HIGHLAND DRY CLEANER
204	HALL, CLYDE J
208	CAMPS TAXI
	TRIGGER CAR CORPORATION
210	DEEGAN, BILL J
	LESTARI, THOMAS
	MONTAGUE, MARGARET M
211	A & P COLLISION INC
	A & P TOWING
	ART BARN
	HIGHLAND DRY CLEANER
	HUDSON RIVER CUSTOM FRAMERS INCORPOR
	HUDSON SIGN CO
212	AA ROYAL WEDDING CENTER
	BKG BOUTIQUE
217	AVALON OSSINING
	AVALONBAY COMMUNITIES INC

N HIGHLAND AVE

2014

(Cont'd)

217	ENGELHARD CORPORATION
220	DELMONTE, GONZALO D
	ESTRELLA, RAMON G
	OCCUPANT UNKNOWN,
	PINEDA, RUTHIE
226	ABRAXAS DENTAL LABORATORY
	BELTONE
	TONYS SHOE REPAIR
228	JOHNSON, ANDREA
230	7ELEVEN
232	B&G BOTANICA
	BRIAR CLIFF TRAVEL SERVICE INCORPORA
	BRIARCLIFF TRAVEL
	DAMIAN CLEANERS
	ELITAS DELI CORPORATION
	SKYWAY TRAVEL SERVICE INCORPORATED
237	FRANKS GULF SERVICE STATION
	MANICCHIO BROTHERS INCORPORATED
238	ANYTIME EMERGENCY LOCKSMITH
	D ITALIA PIZZERIA
	JULIO CRUZ BJJ
	LEGENDS TAX SERVICES INCORPORATED
	MOLLY MAID
	VELIN, SARAH
	WESTCHESTER ARC
240	OCCUPANT UNKNOWN,
246	KITCHENS, ROBERT A
255	ALL ABOARD CHILDCARE EDUCATION CENTE
299	DOMINICA SISTERS HOPE
	DOMINICAN SISTERS FAMILY HEALTH SERV
	DOMINICAN SISTERS FAMILY HEALTH SVCE
	DOMINICAN SISTERS OF THE HOPE
	FLIK INTERNATIONAL CORPORATION
	LOCAL LOCKSMITH
	MARIANDALE DOMINICAN SISTERS OF THE
300	ROSADO, JOSE A
310	ABATE CHARLES MD
	BREAKTHROUGH PUBLICATIONS
	CHODOSH RONALD MD PC
	CUMMINS MD PHD DEAN R
	DEMETERIO MARINELA MD
	FOTO FRANK MD
	HUDSON VALLEY DIAGNOSTIC IMAGING PC
	MAGLIONE PAUL J PODIATRIST
	MKMG
	TANNENBAUM MAURICE MD
320	BARKSDALE, GRACE M
321	ABRAMS, BERNICE
	ATRIA ON THE HUDSON
	ATRIA SENIOR LIVING

N HIGHLAND AVE

2014

(Cont'd)

321 ATRIA SENIOR LIVING GROUP
BARD, ELEANOR
BASESCU, SABERT
BAUSE, MARJORIE M
BENJAMIN, CHARLES
BREMER, REBECCA
CAMBRIDGE ON THE HUDSON
CLOUSEAU, J
COOPER, NORMAN R
COTHREN, JUNE
DEBLASIO, NORMA
EGAN, J
ENGEL, JOHN H
FANE, SONDRRA
FINK, GERTRUDE
FISHER, MONA
GELL, DIANE
GERGELY, JULIE
GOLDSTEIN, LAWRENCE
JOHNSON, JACQUELINEA
KAHN, CORRINE
KARGER, JOYCE
KATES, EDITH
LOMBARDI, JANE
MAISEL, SHIRLEY
NEIDER, MILDRED
OEHL, BEATRICE R
OEHL, FRANK C
OFFENBERG, MICHAEL A
ONEIL, FRED L
PANTALEO, LOUISE
PAUL, SIDNEY W
PERILLO, MICHAEL G
POLACEK, NANCY A
RODGERS, AUDREY T
ROOKE, VERNON W
RUBIN, JULIUS W
RUDORFER, LAURA
SCHELLING, ERNEST P
SHENNAN, R
SOLOMONS, EVELYN M
STIEBEL, LEONARD M
TEISON, HERBERT J
TEURFS, ARTHUR
TIMMINGS, JUEL M
WEINBERG, NAT J
WESTON PAXXON
WILSON, DONALD
WITTKIN, HERBERT
WU, LILLIAN G

N HIGHLAND AVE**2014****(Cont'd)**

321	YOUNG, ELAINE C
325	HOYE TEXTILE
	HOYE TEXTILE CORPORATION
	STONE TED B
327	MYSTIC POINT HOA
345	GREEN THUMB SEASONAL NURSERY

N HIGHLAND AVE 2010

167 PERA, JACINTO A
 170 MAVIS DISCOUNT TIRE
 171 SEDKAN INC
 172 CREATIVE COPY
 HAIR SEXY CONCEPTS BEAUTY PRLR
 LONNIES FISH & CHIPS
 LONNIES, FISH
 REHAB RESOURCES UNLIMITED
 WILK ROBERT F DDS
 173 BRANDON FURNITURE
 176 HUDSON VETERINARY HOSPITAL
 OCCUPANT UNKNOWN,
 177 ARCE, MISTER
 GOLOVCSENKO, J
 MARCHESE, MIKE
 TENECOTA, MARIA
 179 HUDSON VALLEY MOTORCYCLE SALES
 WEST CHESTER AUTO COLLISION
 WESTCHESTER AUTO COLLISION
 180 FRANCY, MARGO J
 183 KLEVERS AUTO REPAIR
 185 GETTY GAS STATION
 M & S GAS MART
 186 BARREIRO, JOSEPH P
 188 WHALEN, JAMES L
 190 HIGHLAND ORIENTAL CHINESE
 191 OLYMPIC DINER
 192 SALS PIZZA & PASTA
 196 ALL AMERICAN KARATE STUDIO
 198 ASHLEY, VICTOR G
 202 BELLOSO, DORA M
 GUALLPA, GIOVANNY
 JARAMA, MANUEL
 203 C & A ITALIAN SPECIALTIES INC
 CARDELLA WINES & LIQUOR INC
 EURO STYLE MARBLE & GRANITE
 HIGHLAND CLEANERS INC
 204 PETROVICH, EDWARD S
 208 CAMPS TAXI
 TRIGGER CAR CORP
 210 DEEGAN, BILL J
 MONTAGUE, LORETTA M
 211 ART BARN
 SEESIGNSNET
 212 A A ROYAL WEDDING CTR
 BKG BOUTIQUE
 217 ENGLEHARD CORP
 220 OCCUPANT UNKNOWN,
 SCALA, FANNY
 226 ALFINI, RAYMOND J

N HIGHLAND AVE

2010

(Cont'd)

226	RAYAL DENTAL LAB INC
	SONOTONE ON THE HUDSON INC
	TONYS SHOE REPAIR
228	OCCUPANT UNKNOWN,
230	7ELEVEN
232	DAMIAN CLEANERS
	SKYWAY TRAVEL SVC INC
237	FRANKS GULF SVC STA
	MANICCHIO BROTHERS INC
238	MOLLY MAID
	OSSINING SATELLITE
	PIZZA CORNERWESTCHESTER INC
	SINGER SEWING CTROSSINING
	WESTCHESTER ARC
	WESTCHESTER SEW & VAC
240	DELMONTE, NESTOR F
246	HILLIER, GARY R
	KITCHENS, ROBERT A
255	LOCOMOTION
299	DOMINICAN SISTERS FAMILY HLTH
	DOMINICAN SISTERSHOPE ADMIN
	FLIK INTERNATIONAL
	MARIANDALE DOMINICAN SISTERS
300	OCAMPO, JESUS J
	RAMIREZ, GIAN P
	RUIZ, JULIA
310	BREAKTHROUGH PUBLICATIONS
	CUMMINS DEAN R MD
	HUDSON RIVER PULMONARY
	HUDSON VALLEY DIAGNOSTIC IMGNG
	HUDSON VALLEY RHEUMATOLOGY
	MAGLIONE PAUL J DPM
	SCHWARTZ KENNY A MD
320	SANTANA, ROSANGELA
321	ATRIA SENIOR LIVING GROUP
	BLANCO, JAMES
	BLOCK, ROBERT
	DONIS, HARRY
	EISENBERG, ADA R
	FRIEDMAN, MAY K
	GOLDSTEIN, LAWRENCE
	HERMAN, FRIED D
	HOMNICK, JOSHUA S
	JASILLI, YOLANDA
	JORDAN, FRED H
	LAUNHARDT, GUS
	MURPHY, MILDRED W
	PFEFFER, DAVID
	POBINER, BERNARD
	SCHWARTZ, WILLIAM

N HIGHLAND AVE

2010

(Cont'd)

321	STONE, MICHAEL C SWEENEY, FRANCES A TAYLOR, W WESTON, PAXXON ZUBINI, MARILYN
325	NEIL CARNOW AIA ARCHITECT
327	MYSTIC POINT HOA
345	GREEN THUMB SEASONAL NURSERY
381	ST AUGUSTINES CATHOLIC CHURCH

N HIGHLAND AVE 2005

167	PEROVICH, JULIO C
170	MAVIS TIRE
172	ABSOLUTE TANS INC
	ANTONUCCI CONSULTING CORP
	CREATIVE COPY
	HAIR SEXY CONCEPTS CO
	SETTEPANI BROTHERS TREE SERVICE
	STEAMATIC
	TAN LINES
176	OCCUPANT UNKNOWN,
177	CROHN, NORMA
	DIAZDEARCE, RENE D
	GALVIS, GLORIA
	GOLOVCSENKO, J
	MARCHESE, OLGA D
	MARTINEZ, JUAN P
	MOROCHO, MANUEL
	NIEVES, GEORGE
	REALPE, ARTURO
	TENECOTA, MARIA
179	AAA AUTO MALL LLC
	MARTONE AUTO BODY & COLLISION CORP
180	FRANCY, MARGO J
186	BARREIRO, JOSEPH P
188	WHALEN, JAMES L
191	C L ENTERPRISES INC
	CL FAMILY ENTERPRISES LLC
194	WESTVIEW CLEANERS
196	ALL AMERICAN KARATE STUDIO
198	PARAPI, FAUSTO
199	MOVING UP
202	DELOS, SANTOS P
	FAUSTO, R B
	PAREJA, CARLOS
203	CARDELLA WINES & LIQUORS INC
	EURO STYLE MARBLE & TILE INC
	HIGHLAND CLEANERS INC
	HUDSON VET HOSPITAL
	MANOR VETERINARY CLINIC
	MARIAS
204	PETROVICH, THOMAS J
208	CAMPS TAXI
	TRIGGER CAR CORP
210	DEEGAN, BILL J
	MONTAGUE, LORETTA M
211	ART BARN
	CUSTOM FRAMER OF WESTCHESTER
	GALLERY AT 211
	HARVEY HUTTER & CO INC
212	AA ROYAL WEDDING CENTER

N HIGHLAND AVE

2005

(Cont'd)

212	T & A LIMOUSINE UNITED VIDEO PRODUCTIONS INC
217	MEARL ENGELHARD CORP
225	ALL ABOARD CHILDCARE CENTER
226	OCCUPANT UNKNOWN, RAYAL DENTAL LAB INC SONOTONE ON HUDSON
228	ALMEIDA, MIGUEL
230	7 ELEVEN INC 25773
232	0 & 01 24 HOUR A EMERGENCY LOC SKYWAY TRAVEL
237	MANICCHIO BROTHERS INC
238	PIZZA CORNER OF WESTCHESTER INC SANFORD DATA SYSTEMS CONSULTANTS INC WEISSNER & BLICK PC
240	DELMONTE, NESTOR F
246	KITCHENS, ROBERT A
255	ALL ABOARD ON HUDSON LLC LOCOMOTION LLC
300	ALBARRACIN, ISRAEL I ARCECIO, RAMON IDALGO, MIQUEL KOSKI, MICHELLE PASCALE, PEDRO PERARDA, MARGARITA PESANTEZ, JORGE PICON, PEDRO PORTUGUEZ, FLORENTINO RAMIREZ, GIAN P YPANAQUE, ERNESTO YPANAQUE, GIANNINA
307	SURLAND LANDSCAPING
310	DEAN CUMMINGS DR FOTO FRANK MD HUDSON RIVER PULMONARY & INTERNAL ME HUDSON VALLEY RHEUMATOLG PC
321	ARGENZIANO, ELIO ATANASOFF, E B BAGG, DOROTHY E BAKER, RUTH S BATES, ORVILLE P BERKOWITZ, CARRIE BIEL, KATE BLANCO, JAMES BLOCK, ROBERT BRENER, FLORENCE BUTTERS, DOROTHY G CHALSON, RUTH CHAMBERLAIN, ROBERT CLEARY, A

N HIGHLAND AVE

2005

(Cont'd)

321 COHEN, IRVING Y
CONLON, H
CUMBERLAND, R
DIRIENZ, AGNES
DONIS, HARRY
EKLUND, GLADYS
ENGEL, MINA P
EVENSON, CELIA
FARINELLA, STELLA E
FARLEY, ANGELA
FAVARO, P
FIESS, VERONICA
FITZGIBBONS, JOHN P
FOIN, ELMA C
FORMAN, PAULINE H
FRIEDMAN, MAY K
FRIEDMAN, ROSE
FURSTENBERG, ESTELLE G
GASPARIK, JOHN G
GOLD, ROCHELLE
GOLDBERG, BARNETT
GOODMAN, HELEN S
GOTTLIEB, BERNICE
GREENSTEIN, MARTHA
HANDLER, TESSIE
HEALY, THOMAS
HEMMINGFORD, HIRAM P
HILDENBRAND, ORIS C
HOLLAND, BEATRICE R
HOMNICK, ROSE
ISAACS, RUTH R
JORDAN, FRED H
KARL, JANET M
KATE, BIEL
KISLER, ESTELLE M
KRASNOW, DOROTHY A
KRELL, HENRY G
LASSER, MORTON
LAWRENCE GOLDSTEIN MD
LEBLANG, ARTHUR L
LEFF, SIDNEY
LESHNE, SAMUEL
LEVINE, MOLLY S
LIPTSCHER, VIOLET
LOJACONO, ELSIE
MACCHIA, MARILYN F
MAHONEY, JOSEPH F
MALTHANER, ALVIN W
MARGOTTA, JAMES T
MASTER, AARON M

N HIGHLAND AVE

2005

(Cont'd)

321	MCLERNON, MARY L MCNEARY, CATHERINE MEYEROWITZ, WILLIAM MIKLOS, ANNA E MILLER, SOPHIE MORRIS, MARGARET MURPHY, RAYMOND NELSON, LOUISE L NEWTON SI CAMBRIDGE HO NORGREN, HARRY R OGARA, MARY K PERETZ, MARY L PESANTES, IVAN PETERS, NANCY PFEFFER, DAVID PITTER, MURIAL POBINER, BERNARD PRIORITY HOME CARE PULVER, FLORENCE RAPPAPORT, JAMES ROBINSON, SOPHIE SAMBERG, HELEN SCHILLER, IRVING P SCHIMMEL, CLARE SCHWARTZ, MIRIAM SEGAL, DAISY G SHAKIN, HYMAN I SHAW, JANET M SILVERN, L SINGER, SIDONIA L SLATER, GREGORY S SMITON, DAVID R STERNBERG, HERTA STOCKMAN, CHARLES STONE, MILDRED Z STUDNICK, LILLIAN SURRY, JOSEPH M SWEENEY, FRANCES TAYLOR, THAYER C TEISON, HERBERT TELSON, MARTHA TOBEY, FRANCES TOLL, BERNARD TRAPASSO, MARIA VANHERZOG, WILLIAM WILLOUGHBY, D ZIVOTOVSKY, LAURA ZUBINI, MARILYN
325	HOYE TEXTILE CORP NEIL CARNOW AIA ARCHITECT

N HIGHLAND AVE

2005

(Cont'd)

345

CAETANOS ICE

N HIGHLAND AVE 2000

167	DASILVA, JOHN
170	MAVIS TIRE SUPPLY CORPORATION
171	GAS WITH CLASS LIMITED
	RYDER TRUCK RENTAL ONE WAY INCORPORATED
172	CEDAR LANE LAUNDRY
	MCLYNN CHIROPRACTIC
	MIKE PIGEON
	OCCUPANT UNKNOWN,
	QUICK STOP VARIETY
	TAN LINES
	WILK ROBERT DDS
173	A L MYERS FURNITURE
	FILL EM FAST
	OCCUPANT UNKNOWN,
177	DIAZDEARCE, RENE
	MARTINEZ, EMILCE
	TENECOTA, MARIA
179	MACCHIA INTERNATIONAL MOTORS OF WESTCHESTER INCORPORATED
	MACCHIA MOTORS INCORPORATED
	THE TRADING POST INTERNATIONAL INCORPORATED
180	FRANCY, MARGO
183	BARRIER OSSINING CITGO
	ROYS AUTO REPR
185	AHUJA BROTHERS GETTY MART
186	BARREIRO, JOSEPH
188	WHALEN, JAMES L
190	HIGHLAND ORIENTAL CHINESE RESTAURANT
	OCCUPANT UNKNOWN,
192	SALS PIZZA & PASTA
194	WESTVIEW CLEANERS
196	ALL AMERICAN KARATE STUDIO
198	BARCIA, PAMELA
	MOSHIER, HELEN M
	WHEELER, CAROL
202	DIPILLO, GARY
203	AIKIDO SELF DEFENSE CENTER
	B & E DELI
	HUDSON VETERINARY GROUP
	NALVEN DANIEL M SHOP
	OCCUPANT UNKNOWN,
	WEITZ GLENN DVM
204	GIBSON, GEORGE A
210	DEEGAN, BILL
	MONTAGUE, L M
211	ART BARN
	HARVEY HUTTER & COMPANY INCORPORATED
217	ENGELHARD CORPORATION R & D LABORATORIES
	MEARL CORPORATION THE R & D LABORATORIES
220	TORENA, GUSTAVO
226	SONOTONE ON THE HUDSON

N HIGHLAND AVE

2000

(Cont'd)

226 TONY'S SHOE REPAIR
 228 CAIN, ERIC
 232 HOUSE OF HORS DOEVRES
 MJS DELI INCORPORATED
 OSSINING LOCKSMITH
 RUBRUMS CARD & GIFT
 SKYWAY TRAVEL SVCE INCORPORATED
 237 FRANKS GULF SVCE STATION
 MANICCHIO BROTHERS INCORPORATED
 238 BLICK & WEISSNER CPAS
 KNITTERY THE
 PIZZA CORNER OF WESTCHESTER INCORPORATED
 SCI OPTIC
 SINGER SEWING CENTER OF OSSINING
 WEISSNER MICHAEL D CPA
 240 CHEATHAM, EMILY C
 246 KITCHENS, ROBERT
 299 DOMINICAN SISTERS FAMILY HEALTH SVCE INCORPORATED
 300 BREAKTHROUGH PUBLICATIONS
 FLORES, JESSICA O
 OGNIBENE PETER ASSOCIATES
 VILLANUEVA, GIL
 310 HEALTH CARE WORK PLACE
 320 OCCUPANT UNKNOWN,
 321 ADENBAUM, DAVID
 ARGENZIANO ELIO MD
 BAHL, M A
 BAKER, RUTH S
 BERGMAN, I H
 BERKOWITZ, S
 BOSCO, ADELINE
 CALCULATOR, ESTHER
 CAMBRIDGE HOUSE ON THE HUDSON
 CASELLA, A
 CHARASH, SHIRLY
 CHARPENTIER, E
 COHEN, IRVING
 CONLON, H
 COOKSON, IRENE
 DANGELO, JAMES
 DANN, MARY K
 DONIS, ETHEL
 DOWNING, G K
 ELIOT, IDA
 EPSTEIN, B S
 FARINELLA, S
 FEHER, MIRIAM
 FERNANDEZ, GRACE P
 FITZGIBBONS, JOHN P
 FLEISCHMAN, FRANCES

N HIGHLAND AVE

2000

(Cont'd)

321 FORMAN, PAULINE
FOX, TOBY M
FREDERICKS, JAMES S
FRIEDLANDER, ANITA
FUCHS, NAT
GARA, MARY K
GASPARIK, DEWEESR R
GOLDBERGER, ELAYNE
GOLDMAN, DAVID
GOTTLIEB, BERNICE
GREALY, ALICE E
GUGLIELMELLI, HILDA
GUGLIELMELLI, S
HAFFORD, MARY P
HILDENBRAND, FRED W
KARL, JANET M
KRELL, HENRY G
KUPFERMAN, D
LEFF, SIDNEY
LEINWAND, F
LEVINE, MOLLY
LINDENBAUM, MARTHA
LIPSIO, JESSICA F
MAIER, D M
MAISEL, SHIRLEY
MARINELLI, JOHN
MAXON, ALICE
MIKLOS, ANNA E
MILLER, SOPHIE
MURPHY, RAYMOND
OGARA, MARY K
ONEY, HELEN
PACKEVICZ, JUDITH A
PETERZELL, INA
PFEFFER, DAVID
PICCININNI, B
POBINER, BERNARD
POTTER, GRACE
PULVER, F
QUITTMAN, LEONARD
RANELONE, LUCILLE
REDMOND, SAMUEL
RIEDEL, ELEANOR G
ROSE, J G
ROSENBAUM, H S
ROTH, ROSE
RUBINO, CARL J
SCAGLIA, MAUREEN T
SCHILLER, IRVING
SCHOEN, F

N HIGHLAND AVE

2000

(Cont'd)

321	SHEEHY, E T
	SINGER, SIDONIA L
	SLATER, H
	SMITH, HILDA
	STAR, JEAN
	STERNBERG, H
	STONE, TED
	SURRY, JOSEPH
	TANNENBAUM, CELIA
	TEPLIN, DAVID R
	THOMAS, ALDONNA
	TRINKOFF, LOTTIE
	WARREN, ANNA
	WATT, ROBERT C
	WEINTRAUB, E T
	WESSON, J W
	WESTON, EMMA R
	ZIMMERMANN, L
325	CARNOW NEIL ARCHT
	HOYE TEXTILE
	STONE TED
327	G D C CONSTRUCTION
	GINSBURG DEVELOPMENT
345	GREEN THUMB SEASONAL NURSERY

N HIGHLAND AVE 1995

170	MAVIS TIRE SUPL CORP
171	GAS WITH CLASS LTD
	RYDER TRUCK RENTAL-ONE-WAY INC-NEIGHBORHOOD DEALERS
172	CEDAR LANE LAUNDRY
	CREATIVE COPY
	DAMIANO'S FIELD & STREAM
	SETTEPANI BROS TREE SVCE
	SONOTONE ON-THE-HUDSON
	WILK, ROBERT, DDS
173	A L MYERS FURNITURE
	A L MYERS INC
	FILL-EM' FAST
183	MIKE'S ARCO
	MIKE'S ARCO SVCE STA
185	AHUJA BROS GETTY MART
190	HIGHLAND ORIENTAL CHINESE RESTAURANT
191	HIGHLAND RESTRNT
192	CALABRIA PIZZERIA
	PERFECT 10
194	WESTVIEW CLEANERS
203	AIKIDO SELF DEFENSE CENTER
	B & E DELI
	CARDELLA WINES & LIQUORS INC
208	CAMP'S TAXI
211	ART BARN
	GALLERY AT 211
	HARVEY HUTTER & CO INC
	HUTTER HARVEY & CO INC
217	MEARL CORP
226	RAYAL DENTAL LAB INC
	TONY'S SHOE REPAIR
230	7-ELEVEN
232	A W T A
	HOUSE OF HORS D'OEUVRES
	RUBRUM'S FLORIST LTD
	RUBRUMS CARD & GIFT
	SKYWAY TRAVEL SVCE INC
	WESTVIEW DELI
237	FRANK'S GULF SVCE STA
	MANICCHIO BROTHERS INC
238	BLICK & WEISSNER, CPA'S
	BLICK MICHAEL J, CPA
	CORNER OF THE WORLD
	PIZZA CORNER OF WESTCHESTER INC
	SINGER SEWING CENTER OF OSSINING
	STUDIO Z
	WEISSNER & BLICK, ACCTNT
	WEISSNER & BLICK, CPA'S
	WEISSNER MICHAEL D, CPA
	WESTCHESTER SEW & VAC

N HIGHLAND AVE**1995****(Cont'd)**

299	DOMINICAN SISTERS FAMILY HEALTH SVCE INC
300	BREAKTHROUGH PUBLICATIONS
	OGNIBENE PETER ASSOCS
321	BAYFIELDS RESTAURANT
	HUDSON RIVER CONFERENCE CENTER
	HUDSON RIVER INN
	ZANZE BAR LOUNGE
325	CARNOW, NEIL, ARCHT
	HOYE TEXTILE CORP
	STONE, TED

N HIGHLAND AVE 1992

167	DASILVA, DIANA
170	MAVIS TIRE SUPL CORP
171	GAS WITH CLASS LTD
172	CEDAR LANE LAUNDRY
	DAMIANO'S FIELD & STREAM
	SONOTONE ON-THE-HUDSON
	VON'S BODY SALON
	WILK, ROBERT, DDS
173	A L MYERS INC
	FILL-EM' FAST
	MYERS A L INC, FURN
177	DIAZ DE ARCE, RENE
	FOSTER, GLENN
183	MIKE'S ARCO
	MIKE'S ARCO SVCE STA
185	AHUJA BROS GETTY MART
186	BARREIRO, JOSEPH
188	WHALEN, JAMES L
190	HIGHLAND ORIENTAL CHINESE RESTAURANT
191	HIGHLAND RESTRNT
192	CALABRIA PIZZERIA
194	WESTVIEW CLEANERS
198	DESIDERIO, RICHARD
	MOSHIER, H
	WHEELER, WAYNE E
202	DIAS, FLORINDO, JR
	TORRES, JUAN
	WILSON, IAIN
203	AIKIDO SELF DEFENSE CENTER
	B & E DELI
	CARDELLA WINES & LIQUORS INC
	HIGHLAND METAL INDUSTRIES
	TERRA TILE
204	PETROVICH, EDW S
208	CAMP'S TAXI
210	DEEGAN, BILL
	MONTAGUE, LAWRENCE M & MARGARET
	MONTAGUE, LAWRENCE, JR
211	ART BARN
	GALLERY AT 211
	HARVEY HUTTER & CO INC
	HUTTER HARVEY & CO INC
217	MEARL CORP THE-GENERAL OFCS & R&D LABS
	MEARL CORP THE-RESEARCH LAB
220	TORENA, GUSTAVO
226	MOVIE HOUSE THE
	RAYAL DENTAL LAB INC
	TONY'S SHOE REPAIR
232	HOUSE OF HORS D'OEUVRES
	RUBRUM'S FLORIST LTD

N HIGHLAND AVE

1992

(Cont'd)

232	SKYWAY TRAVEL SVCE INC
	WESTVIEW DELI
237	FRANK'S GULF SVCE STA
	MANICCHIO BROTHERS INC
240	CHEATHAM, E C
246	KITCHENS, ROBERT
300	BREAKTHROUGH PUBLICATIONS
	ESPINOZA, ARMIDA
	OGNIBENE PETER ASSOCS
	RESTREPO, GLORIA
	RESTREPO, LUIS F
320	RYAN, WESLEY CHAMBERLAIN
321	BAYFIELDS RESTURANT
	HUDSON RIVER CONFERENCE CENTER
	HUDSON RIVER INN
	ZANZE BAR LOUNGE
325	CARNOW, NEIL, ARCHT
	HOYE TEXTILE CORP
	STONE, TED

N HIGHLAND AVE 1987

HIGHLAND AVE S		
146	Robert D McCoach	.81 631-2423
148	I Whitson	.74 631-5318
150	Thos F Heagney Jr	.82 631-2815
151	A E Shaw	.82 631-2886
162	E W Frandsen	.58 631-4704
163	Benj S Hunter Jr	.85 332-5260
174	J Brewerton	.79 631-0480
213	D Dewitt Wasson	.68 631-1204
214	Richard D Gelford	.72 631-2149
217	Murray C Roberts	.69 631-2861
225	James F Joyce	.73 631-1191
	Robert W Joyce	.80 631-1191
250	Michael N Meller	.74 631-1455
255	J Luciano	.631-6374
NO #	George W Knox	.69 631-3848
52	RESIDENCE	2 BUSINESS
● HIGHLAND AVE N 10562		
Ossining PO 1- END CT 133.01 \$E.E 3		
— BROADWAY		
6	9 13	NP
26	★ Kitchawan Floors	.85 941-2232
	Joaquin D Rama	.85 762-8724
29	33	NP
38	★ Highland Fish Mkt	.81 941-3826
43		NP
46	Larry Damico	.78 762-5427
48	A Chouss	.81 941-3293
	Carmen Garcia	.77 941-4492
	Leticia Montoya	.75 941-2603
	Sevaspian Ortiz	.84 762-8519
49		NP
50	★ Ossining Bakery	.78 941-2654
50		NP
58	★ Columbus Lodge	.83 941-4496
60	★ AlNick Frts&Vegs	.941-3433
62	Alfio Celona	.85 941-9278
	Antonio Choussa	.85 941-8472
	Francisco Cordero	.78 941-3776
	Alexandra Koch	.87 762-6980
	Rocco Sangiacomo	.84 941-2753
	★ Vidas Disc Liquor	.83 941-3106
64	★ Johns Grocery	.82 941-4020
	★ Johns Grocery Str	.75 941-9588
	Jose Rama	.84 762-3910
	1/2 Jose Arraiano	.78 762-2156
	1/2 Enrique Oliveira	.83 941-1093
66	★ Martone Auto Body	.81 941-9372
71		NP
— AQUEDUCT		
73		NP
76	Juan A Flores	.85 941-8491
77		NP
80	Gussie Edwards	.85 762-8922
81	83 85	NP
88	★ Iancelli&Son	.762-1806
	★ Lamour Hair Prods	.75 762-4540
94	95	NP
96	N Stoke	.85 762-7638
97		NP
— HAVELL		
102	★ Als Glass Service	.941-0303
	A Gesue	.84 762-7621
	S Rechtschaffer	.85 762-2970
	Ian B Smith	.77 941-7028
104	Dayse Jallil	.81 762-4475
	A Shakes	.81 941-4380
	Marie Villegas	.82 941-0870
105		NP
106	Joe Dafonte	.73 941-3448
	Richard W Rotolo	.85 762-4365
	Richard Rotolo	.84 941-6473
— 1 WILLOW		
107		NP
108	Jose Oliveira	.83 762-0315
	Greg Unger	.84 941-9488
109		NP
110	Raul L Sanchez	.82 941-6545
115	117	NP
119	M Sarvaideo	.83 941-2348
123		NP
— 100 N MALCOLM AV		
125		NP
127	Janet Inzeo	.85 762-2469
	Ana Martinez	.85 762-0860
129	Enett Aviles	.81 762-2708
	Abel Ducas	.74 762-0750
	Linda Ducas	.74 762-5997
131	Thomas R Murphy	.53 941-8280
	David Winter	.85 762-6642
133	Frank Pulaski	.53 941-1841
133-35	John Meirisch	.85 941-7344
139	★ Old Stne Wall Rstr	.84 941-9624
	★ Stewart-Marisa Co	.82 941-9108
— 40 MONTGOMERY		
141	Jose Luis Ferreira	.762-6938
143	George Martinez	.84 762-0646
	James K Smith	.84 762-9137
	Robin Volpe	.82 762-7684
145	Theresa Miraglia	.84 762-0234
	Andrew Nemeth	.80 762-0411
155	161	NP
167	Diana Dasilva	.76 941-3074
170	★ Firestone Ossining	.75 762-9744
	★ Mavis Tire Suply	.78 762-1070
171	★ Gas With Glass Ltd	.82 941-3863
172	★ A C Design Co	.85 762-4706
	★ Cedar Lane Laundry	.80 941-4426
	★ Damianos Field	.84 941-6005
	★ Dr Charles E Jurka	.81 941-0456
	★ Sonotone Instrnt	.762-1811
173	★ Fill-Em Fast	.85 762-1711
	★ A L Myers Inc Furn	.70 941-1408
175		NP
177	Raphael Dominguez	.762-7557
	Sylvia Figueroa	.84 762-5595
	Glenn Foster	.84 762-4838
183	★ Mikes Arco	.79 941-9755
	★ Mikes Arco Sv Sta	.79 941-5590
185	★ Famous Bkry&Dry FM	.84 941-9856
188	Joseph Barreiro	.80 941-6270
188	James L Whalen	.73 941-2576
191	★ Highland Restaurnt	.941-0522
	★ Highland Restrnt	.941-9822
198	H Moshier	.85 941-1116
	Wayne E Wheeler	.85 941-3439
201		NP
202	Florindo Dias Jr	.75 941-3912
	A Tantele	.75 762-4058
203	★ B&E Deli	.79 941-6400
	★ Cardella Wine&Liqr	.84 941-6781
	★ Highland Metal Ind	.73 762-1858
204	Edward S Petrovich	.68 941-8034
208	★ Camps Taxi	.73 941-0150
HIGHLAND AVE S		
208	★ Camps Taxi	.941-3128
210	N Boldt	.84 762-5208
	Melissa C Donovan	.85 762-9801
	L Montague Jr	.85 762-1908
	L M Montague	.63 762-1908
	D Perez	.53 941-3525
211	★ Art Barn	.82 762-8055
	★ Harvey Hutter&Co	.83 762-4929
212	★ E T Performance Ctr	.74 762-5074
	Bernard Sparano	.81 941-0537
	Rose M Sparano	.81 941-7508
217	★ The Mearl Corp	.941-7469
226	★ Family Resources	.82 762-8552
	★ The Movie House	.85 762-3505
	★ Tonys Shoe Repr	.82 941-9548
228	★ Lane	.81 941-8471
232	★ Skyway Trvl Svce	.81 762-7586
	★ Westview Cleaners	.84 941-7030
	★ Westview Deli	.72 762-1834
	★ Westview Liquor	.941-3750
237	★ Franks Gulf Sv Sta	.71 941-4998
	★ Manicchio Bros	.76 941-4999
238	★ Pizza Barn	.84 762-4841
	E C Cheatham	.72 941-7355
300	Michael Trapanese	.84 762-9011
320	Scott Farris	.762-1983
321	★ Hudson Rvr Confrnc	.80 762-5600
— CEDAR LA		
2585	Timothy J Flanagan	.85 762-5001
NO #	★ Cardinal McCloskey	.80 762-5382
NO #	★ T-Eleven	.85 941-9485
95	RESIDENCE	52 BUSINESS
● HIGHLAND AVE S 10562		
Ossining PO 1- 41 CT 133.01 \$E.E 3		
42- END CT 133.04 \$E.F 3		
— EASTERN AV		
7	★ Trinity Church	.941-0806
11	N Rodenberger	.85 762-7285
— 2 ELLIS PL		
23		NP
25	Donald Balassone	.78 941-5136
	P A Cito	.82 941-0023
	Terence M OMara	.80 762-1829
	★ Ossining High Schl	.76 762-5780
	★ OPS Ossing Hi Schl	.76 941-8199
	★ OHS Attendance	.76 941-9257
	★ Dr David K Post	.85 941-1400
	Charles S Reder	.78 941-5142
	★ Dr Z S Silagy	.75 941-7363
	★ Dr S Wasserman	.69 941-1400
26	★ Cynthard Bldg	
	★ Cialini Video	.85 762-8770
	★ Highld Shd&Vntn	.85 762-7714
	★ Kammas Kitchen	.85 941-2101
	★ Ming Hing Restnt	.83 762-3206
	★ Pizza Como USA	.82 762-0555
30	★ US PD Ossining	.80 941-1311
34	★ First Prs Nrsy Sch	.84 941-2704
	★ Presbyterian Chrch	.83 941-8540
— MAPLE		
36	★ Evelyn Culp	.84 941-5778
	★ Mrs Harvey W Culp	.941-2750
	Brian Fox	.84 941-1464
	Alan Hall	.78 762-5053
	Jim McClain	.78 762-5053
	Hartmut Pratzsch	.84 941-2750
	★ Westchstr Presrvtn	.84 941-2750
40	C Andrews	.84 941-1528
	T J Bashant	.84 941-7086
	Anthony R Bertoldi	.81 941-0655
	K Cannon	.84 941-8033
	William Clark	.77 762-0553
	Emily Colabella	.84 941-8328
	Daniel Dausch	.84 941-8336
	A Drob	.84 941-9487
	Frank Fuchs	.85 941-6918
	Kenneth Greenwald	.84 941-6788
	A Jurgau	.84 762-4971
	Rita Kelly	.84 762-7050
	Brendan Lomas	.84 762-9054
	S Mannes	.78 941-6237
	Morgan M Owens Jr	.84 941-1987
	Pat V Primani	.85 941-5282
	S G Rinehart	.84 941-7940
	Francis J Rossi	.84 762-0878
	D H Rubin	.85 941-7025
	Glenn Sparks	.85 762-6051
	Stephen Wimmers	.84 762-9223
	Kamma Wodley	.84 941-2451
— 35 WALLER AV		
42		NP
43	Anthony Bei	.70 941-4397
	Mrs H E Benz	.82 762-6180
	Albert I Berger	.80 941-0788
	Daniel Bolbrock	.80 941-0788
	★ Dr E R Clemmens	.70 941-1962
	★ Dr S Distefano	.77 941-1511
	M L Duclos	.70 941-3375
	★ Dr M M Friedman	.84 941-4817
	Ann Gatto	.84 941-6820
	Shelly Halperin	.84 941-5656
	★ Dr M P Hennisch	.84 941-5656
	Rajesh Jain	.77 941-5422
	Richard Komita	.84 941-0570
	★ Dr S W Kopf	.68 762-2313
	Claude Linteau	.84 941-5656
	★ Dr L G Mendelowitz	.84 941-5656
	★ Dr M R Mendelowitz	.84 941-5656
	★ Dr S Mendelowitz	.80 941-8280
	★ MD County Electre	.78 941-3638
	Geraldine Mitchell	.84 941-3375
	★ Dr J J Mobilia	.84 941-5889
	David L Ornstein	.77 941-5889
	David Ornstein	.79 762-6287
	M Perret	.80 762-9473
	Norman I Robbins	.81 762-7385
	B E Rogowitz	.81 762-0570
	★ Dr Arnold Salop	.85 762-4865
	J Saypack	.83 762-4380
	Charles E Schmalz	.83 762-5783
	Morton S Silverman	.80 762-1873
	T E Smith	.83 762-6043
	D Stolz	.83 762-9367
	Philip Strahan	.84 941-6780
	T M Walston	.79 762-8487
	George Widemark	.83 762-3478
	Diana Wienkoski	.83 762-2323
44	★ Bliss Termite Ctrl	.78 631-4515
	★ Burniel Investgtns	.70 631-8920
	★ Genesys Devlpmt	.73 271-8300
	★ Ossining Answg Svc	.73 271-8300
	★ Ossining Answg Svc	.73 271-8300
	★ Tappan Zee Answrg	.73 271-8300

ER OR PHOTOGRAPHED IN ANY MANNER WHATSOEVER EXCEPT AS AUTHORIZED BY THE PUBLISHER

Map Location

N HIGHLAND AVE 1982

HIGHLAND AVE N		10562
Ossining PO		
1-	END TZ 13301	SE..H 7
052210		
BROADWAY		
6	Larry Damico	.78 762-5427
9	13	.NP
26	★Simply Fancy Jwlry	.78 762-1976
29	33 38 43	.NP
46	Michl Dolcimascolo	.941-8709
48	Carmen Garcia	.77 941-4492
	Leticia Montoya	.75 941-2603
49		.NP
50	★Ossining Bakery	.941-2654
56		.NP
58	★Sons Italy Ldg 692	.941-9672
60	★Al&Nick Frts&Vegs	.941-3433
62	Francisco Cordeiro	.78 941-3776
	Jesus Febles	.941-2322
	Mrs I Pizzirusso	.941-6203
64	★Dicesare TV Svce	.941-4422
	★Johns Grocery Str	.941-9588
	½Jose Arraiano	.78 762-2156
	½Harvey Miller	.941-4989
66	★Imports Reprs	.941-9360
71		.NP
AQUEDUCT		
73	76 77 81 83 85	.NP
88	★Lamour Hair Prods	.762-4540
	★Ossining Electronc	.762-5456
94	Diamantino Vincent	.941-8339
95	97	.NP
HAVELL		
102	★Als Glass Service	.941-0303
	Ian B Smith	.77 941-7028
104	Sharon Thornton	.941-2263
105		.NP
106	Joao Dafonte	.73 941-6473
1 WILLOW		
107		.NP
108	Antonio Oliveira	.73 762-0315
	Tony Oliveira	.79 762-6015
109	110 115 117	.NP
100 N MALCOLM AV		
125		.NP
127	★Brothers 4 Deli	.762-2600
129	Abel Ducas	.74 762-0750
131	Thomas R Murphy	.941-8280
	Jos F Pileggi Jr	.941-0931
133	Frank Pulaski	.941-1841
40 MONTGOMERY		
141	Patricia L Swayze	.79 941-9423
143	Nicholas E Leggio	.78 941-0622
	Hugh I Ryan	.77 941-5782
145	Joseph Barreiro	.941-6270
	Michae Barreiro	.762-0718
	Andrew Nemeth	.941-0411
161	Eva Brockhausen	.941-2551
	Fred Zirella Jr	.941-6525
167	Diana Dasilva	.76 941-3074
170	★Firestone Ossining	.762-9744
	★Mavis Tire Suply	.762-1070
171	★Ossining Getty Srv	.762-9747
172	★Cedar Lane Laundry	.941-4426
173	★Autotronic Systems	.762-9818
	★A L Myers Inc Furn	.941-1408
175		.NP
177	C B Larkin	.79 941-6751
	B A Weiss	.941-8665
183	★Commuters Texaco	.941-9668
185	★Mikes Arco	.941-9755
188	James L Whalen	.73 941-2676
191	★Highland Restaurnt	.941-0522
	★Highland Restmnt	.941-9822
198	William H Moshier	.762-0065
	J C Parthemore	.78 941-9181
201	Mark Barreiro	.762-0718
202	Florindo Dias Jr	.941-3912
	A Tamtelen	.75 762-4058
203	★B&E Deli	.941-6400
	★Anthony Dipillo Jr	.941-6781
	★Highland Sheet Mtl	.762-1858
204	Edward S Petrovich	.68 941-8094
208	★Bates Taxi Inc	.941-8054
	★Camps Taxi	.941-0150
210	Samuel Barsky	.941-8891
	Steven Grilli	.941-4124
	L Montague Jr	.762-1908
	L M Montague	.941-3525
	Donald Ward	.73 762-5661
212	★E T Performance Ctr	.762-5074
	Bernard Sparano	.941-0537
217	★The Mearl Corp	.941-7450
226	★Ossining Barn Inc	.941-9807
232	★Westview Deli	.762-1834
	★Westview Liquor	.941-3750
237	★Franks Gulf Sv Sta	.941-4998
	★Manicchio Bros	.941-4998
	★Manicchio Bros Inc	.941-9621
240	E C Cheatham	.72 941-7255
321	★Hudson Rvr Confmnc	.762-5600
CEDAR LA		
No #	★Cardinal McCloskey	.762-5302
No #	Mrs V McInerney	.75 941-0019

S AUTHORIZED IN WRITING BY THE PUBLISHER

N HIGHLAND AVE 1977

PAGE 319			HIGHLAND AVE S		
62	Alvar C Winroth	631-3136	175		NP
63	Max Sladkus	ME1-3608	177	Joseph A Agnello	941-3837
64	★Dr Guy Towle	631-2134	183	★D R Duclos Srv Sta	W11-9668
96	Samuel Greenbaum	ME1-3836		★Dukes Service Sta	W11-9668
104	Faust P Scogna	2 631-4898	185	★North Highld Arco	941-9755
115	Paul B Phillips	0 631-7427	188	James L Whalen	3 941-2578
116	Mark Steffens	3 631-5116	191	★Highland Restrant	941-9822
127	John A Ebert	9 631-0907		★Highland Restaurnt	W11-0522
	★Dr J Lederkramer	631-3288	198	William H Moshier	762-0065
139	Muriel Lederkramer	ME1-4099	201	★St Augustine Chthc	941-0067
144	Robert M Kiami	631-0093		Rev Thos F Scanlon	4 941-3642
145	Karsten Hess	1 631-4142	202	Flornio Das Jr	941-3912
146	Patrick Dimuro	- 631-6616		A Tamielen	5 762-4058
146	Julio Montero	ME1-4558	203	★Highland Sheet Mtl	762-1858
148	I Whitson	4 631-5316		★Highland Sports	941-8559
150	Thos F Heagney Jr	631-2815		★The Paneling Shop	941-5907
151		NP		★Co Soc Svc Dst Ofc	762-3324
162	E W Frandsen	ME1-4704	204	Edward S Petrovich	8 941-8094
163	★Charles Elms Prod	631-7474	207	★Dominican Sisters	W11-2316
	Charles D Elms	631-3363		★St Augustine Schl	941-3849
	★C Elms Productions	631-7474	208	★Camps Taxi	941-0150
174	Charles V Kenison	5 631-0480	210	Gary O Massey	- 941-2348
213	D Dewitt Wasson	8 631-21204		L Montague Jr	762-1908
214	Richard D Belford	2 631-2149		L M Montague	941-3525
217	Dr M C Roberts	9 631-2861		Arelis Vanbrada	- 941-2595
225	James F Joyce	ME1-1191		Donald Ward	3 762-5661
250	Michael N Meiler	4 631-1455	211	★Ossining AMC Jeep	762-3350
255	Lowell P Dunham	ME1-2397	212	★E T Performance Ctr	762-5074
No #	George W Knox	ME1-3848		Bernard Sparano	941-0537
No #	★Wschstr Colec Agy	6 631-7666	217	★The Mearl Corp	941-7450
	48 Residence	6 Business	226	★Ossining Barn Inc	941-9807
HIGHLAND AVE N			232	★Westview Deli	762-1834
Ossining PO				★Westview Liquor	941-3750
	1- END TZ	13301SE..H 7	237	★Franks Amoco Svce	941-8621
BROADWAY				★Franks Gulf Sv Sta	941-4998
1	★Wchstr Saving&Loan	941-1939		★Manicchio Bros	941-4998
1	★Wchstr Cnty Savngs	941-1920	238	★Chip N Wedge Diner	941-3261
3	★Ossining Urban Ren	941-0751		★Chip N Wedge Inc	941-9571
3-5	★Ossining Comm Actn	762-2369	240	E C Cheatham	2 941-7255
	★Tappan Zee Mnl Cl	941-4087	321	★Sherfin-Egl By Inn	762-5600
7	★Peter L Bergman	- 941-1790		CEDAR LA	
	★Ossining Windw Cln	- 941-1790	No #	Mrs V McInerney	5 941-0019
	★Portuguese Club	762-9769		79 Residence	53 Business
9		NP	HIGHLAND AVE S		
13		NP	Ossining PO		
26	★J Paladino Appincs	- 941-1117		1- 41 TZ	13301 SE..H 7
	Shawne Patterson	- 762-4475		42- END TZ	13304SD..J 7
29		NP	EASTERN AV		
33		NP	7	★Trinity Church	W11-0806
				★Trinity Church	W11-9562
38	Dominick Rocano	941-8708	2	ELLIS PL	
43		NP	23	Peter Compo	1 762-4192
46	Michl Dolcimascolo	941-8709	25	Thomas P O'Connell	5 762-0471
	Alfonso Manicchio	RO2-0668		★Dr Z S Siliagy	941-7363
48	Carlos Ibanez	3 941-2196		★Dr S Wasserman	W11-1400
	Leticia Montoya	5 941-2603			941-3812
49		NP	26	Cynthard Bldg	
50	★Ossining Italn Bky	941-2654		★R Collier Publcitns	941-4977
58	★Sons Italy Ldg 692	W11-9672		★The Indians Den	941-2157
60	★Al&Nick Frts&Vegs	W11-3433		★R C Leonard Acctnt	941-1023
62	Neal H Bingell	9 762-3736		★A A Lopez Jr CPA	941-1023
	Gosue Piccucci	941-61732		★A A Lopez&Co Acct	941-1023
	Mrs I Pizzinuso	941-6203		★Ossining Yarn Shop	762-5685
	Armindo Volante	1 762-0783		★Pizza Land	762-0555
64	★Dicesare TV Svce	W11-4422		★Theatre Prod Sv	941-0357
	★Johns Grocery Str	941-9588	29	★Ossining Teachers	941-2955
	Andrew R Traino	W11-5396	30	★US Post Office	W11-1311
	1/2 Harvey Miller	941-4889	34	★First Presby Chrch	941-0540
66	★Sprint Foreign Car	941-9684		MAPLE	
	★Sprint Foreign Car	941-1629	36	★Mrs Harvey W Culp	W11-2750
71		NP		Roy Rich	7 941-0469
AQUEDUCT				★Squire School	W11-2750
73		NP	40	N Beilamy	5 762-3622
77		NP		Barry Biggar	941-6918
81		NP		C Boren	941-2079
82	★Highland Pub	941-9754		Steven R Carter	- 941-5382
83		NP		Richard Dollinger	5 762-2246
85	G Vitalotis	- 941-8554		Maureen J Elliott	- 941-1830
88	★Alstate Electrcs	941-1830		Martin M Gebler	941-2546
	★Electronic Asmbly	941-1830		Charles Graziano	5 941-3041
	★Lamour Har Prods	762-4540		Jeff L Greenberg	5 941-8987
	★Ossining Electrcs	762-5456		Robert P Havreluk	5 762-3826
94	Aldo Lardien	8 762-0535		William Hunter Jr	- 941-2367
	Anna Lardien	762-0535		Joseph Imciceli	5 762-3566
	Gladys Perez	5 762-2075		Richard M Longhi	5 762-3667
95		NP		Daniel J McCann	941-6498
96		NP		William Melville	- 762-1830
97		NP		Wm Milette Jr	5 762-1058
HAVELL				William M OKeefe	941-2572
102	★Als Glass Service	W11-0303		Thomas Olam	5 762-2319
104	Frances McRae	5 941-8485		Robert H Paustian	5 762-4692
	Evelyn Smith	3 762-2687		C Plage	2 762-4548
105		NP		P Roy	5 941-4210
106	Joao Datonte	3 941-6473		Gerald Vogel	941-7760
	Manuel P Debarros	5 941-4718		★Westal Sidings Co	762-1573
1	WILLOW		35	WALLER AV	
107		NP	42	Christopher Bozell	941-1414
108	Antonio Oliveira	3 762-0315		Nicholas Desiderio	- 941-1734
109		NP		Chris White	4 941-2786
110	Luis Morejon	- 941-2972	43	Mrs H E Benz	0 941-2073
	Anibal Nunes	941-2905		Deborah Bouley	941-1662
115		NP		★Dr Edw R Clemmens	941-1662
117		NP		★Dr Leonard Collier	941-5656
123-3	Ralph Mazzacone	941-8125		Glenn Cordell	5 762-4871
	100 N MALCOLM AV	NP		James Crews	941-3723
125		NP		Joseph P Delaney	3 941-0078
127	Ann M Garrett	941-5384		Timothy E Donahue	5 762-0927
	Gilda Landry	4 941-1781		Gerald J Duclos	941-1437
	Bearon McFadden	941-3177		★Dr M M Friedman	941-3375
129	Abel Ducas	4 762-0750		★Dr M P Hennisch	941-5656
	Anthony Ramuno	- 941-8621		Donald J Judge	5 762-4913
131	Robert E Brady	2 762-4965		Claude Limeau	8 762-2313
	Don Chambers	941-6765		Don McGinness	5 762-4919
	Thomas R Murphy	941-0290		John G McQuaid	941-0715
131-3	P A Healy	941-6751		★Dr S Mendelowitz	941-5656
133	Frank Pulaski	941-1841		Robert Mitchell	2 941-3638
139	★Nunzio's Restaurant	941-0870		Alexis Moreno	4 762-4188
	Dominick Vitolo	3 762-3272		S Ocock	3 941-5889
40	MONTGOMERY			★Dr Karen L Paulay	941-0570
141	Robert Lemmey Jr	941-3227		C L Ppocuti	- 762-4061
143	Bernadette Caputo	5 941-5782		★Dr E Saberski	941-5656
	Nicholas Leggio	- 762-2785		★Dr Arnold Saiop	941-0570
	Earl J Stephens	- 941-3690		B J Schweickert	4 941-2868
161	Eva Brockhausen	941-2551		Jeffrey S Speno	- 762-1751
	Fred Zrellia Jr	941-6525		Tory Trotter	4 762-2693
	Diana Daskiva	941-3074		Robert G Weiss	1 941-2754
167		762-9744	44	★Atro-Amrcn Entrprs	941-5252
170	★Firestone Ossining	762-1070		★V Angelo Plmbg&Htg	941-2422
	★Mavis Tire Company	762-9775		★Bliss Extermite Co	ME1-2933
171	★Highland Getty Srv	762-5410		★Bliss Termite Ctl	ME1-2333
173	★Fill-Em-Fast	941-1408		★Dakco Hg&Air Con	762-5656
	★A L Myers Inc Furn				

OR PHOTOGRAPHED IN ANY MANNER WHATSOEVER EXCEPT AS AUTHORIZED IN WRITING BY THE PUBLISHER
Zone 3,4,5, etc. — Year First Listed 1973,74,75, etc. — Census Tract Wealth Rating CLIC — Map Location

N HIGHLAND AVE 1972

HIGHLAND AV N

1972 WESTCH

..... 10562
 161 EVA BROCKHAUSEN WI12551
 FRED ZIRELLA JR WI16525
 167 ROBT N DALESSANDRO 0 9418252
 171*GENSLERS SUPER SRV WI15727
 173*A L MYERS INC FURN 9411408
 *RALPHS SERVICE 9419514
 175 GONZALO GONZALEZ 9 7620598
 ORESTES LUGONES 8 7623394
 177 JOSEPH A AGNELLO WI13837
 P AGNELLO WI13812
 LOUIS R CERCE WI15290
 183*D R DUCLOS SRV STA WI19668
 *DUKES SERVICE STA WI19668
 185*NICKS ATLANTC SERV 9419755
 188 MRS LEROY HYATT WI10503
 191*HIGHLAND RESTAURNT 9419822
 *HIGHLAND RESTAURNT WI10522
 198 NP
 201*ST AUGUSTINE CTHLC 9410067
 202 FLORINDO DIAS 5 WI13912
 N P PERRUCCIO 7623029
 203*OSSINING ELECTRICAL 9413004
 *THE PANELING SHOP 9415907
 *CO PUBLIC ASSISTNCE 7623324
 *WOFF&MUNIER INC 7623946
 204 EDWARD S PETROVICH 8 WI18094
 207*DOMINICAN SISTERS WI12316
 *ST AUGUSTINE SCHL 9413849
 208*SUPER TEST GAS STA 9419588
 210 MICHAEL DAVENPORT 9 7620564
 KEVIN T MALLEY 0 7623702
 L MONTAGUE JR 7621908
 LAWR M MONTAGUE 6 WI13525
 LAWRENCE E RIX JR 9412640
 211*LANDGRAF&ZIEGLER WI10206
 *WECO TIRE DSTRBTR 7623000
 212*ALPINE AIR INC 7620037
 *GALLERY III 9411729
 BERNARD SPARANO WI10537
 217*THE MEARL CORP 9417450
 226*OSSINING BARN INC 9419807
 232*LEATHER SHOPPE 7621499
 *MAGNETIC INDUSTRS WI13077
 *WESTVIEW LIQUOR 9413750
 237*FRANKS GULF SVCE -9419621
 238*CHIPPEWA DINER 9419571
 321 VINCENT MELIAN 9 WI10016
 .. CEDAR LA ..

86 RESIDENCE

59 BUSINESS

HIGHLAND AVE S

10562

.....
 OSSINING PO
 .. 1- 41 T 13301 \$E..H 7
 .. 42- END T 13304 \$E..J 7
 .. EASTERN AV ..
 1*OSSINING FURN CORP WI11475

Appendix G

Analytical Results

**No documents have been associated
with this appendix.**

Appendix H

Portions of Previous Reports

**No documents have been associated
with this appendix.**

Appendix I

Terminology

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E 1527-13. The Standard Practice should be referenced for further detail related definitions or additional explanation regarding the meaning of terms.

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment, 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

De minimis conditions: Conditions that generally do not present threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions or controlled recognized conditions.

Historical recognized environmental condition(s) (HREC): A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time of the Phase I ESA, the condition shall be included in the conclusions section of the report as a recognized environmental condition,

Controlled recognized environmental condition(s) (CREC): A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report. NOTE: A condition identified as a controlled recognized environmental condition does not imply that the environmental professional has evaluated or confirmed the adequacy, implementation, or continued effectiveness of the required control that has been, or is intended to be, implemented.

Material threat: A physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Material impact to public health or environment: A substantial risk of harm to public health or the environment resulting from the presence or likely presence of an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. An example might include a release of a hazardous substance in concentrations exceeding applicable governmental agency standards under conditions that could reasonably and foreseeably result in substantial exposure to humans or

substantial damage to natural resources. The risk of that exposure or damage would represent a material impact to public health or environment.

General risk of enforcement action: The likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

Data failure: A failure to achieve the historical research objectives, even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data gap: A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

Appendix M

Wetland Delineation



Consulting
Engineers and
Scientists

Wetland and Waterbodies Delineation Report Borrego Solar Systems, Inc.

381 N Highland Ave
Ossining, New York

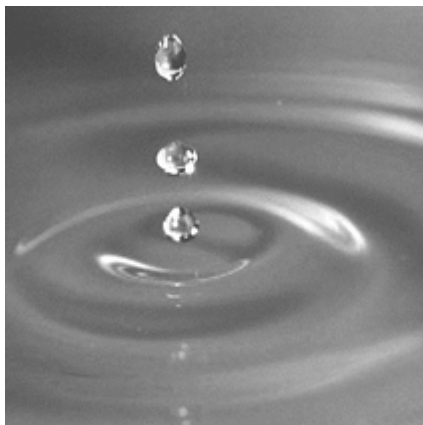
Submitted to:

Borrego Solar Systems, Inc.
30 Century Hill Dr., Suite 301
Latham, NY 12110

Submitted by:

GEI Consultants, Inc., P.C.
1301 Trumansburg Rd., Suite N
Ithaca, NY 14850

June 2020
Project No. 2001943



Jessica Lord
Staff Scientist

Mallory Smith
Project Professional

Table of Contents

Abbreviations and Acronyms	ii
Executive Summary	iii
1. Introduction	1
1.1 Site Location and Setting	1
2. Methodology	4
3. Findings	5
3.1 Database Review	5
3.2 Wetlands	5
4. Conclusions	7
5. Limitation	8
6. References	11

Tables

1 Delineated Wetlands	3
-----------------------------	---

Figures

1 Wetland Delineation Map	
---------------------------	--

Appendices

A. Photo Documentation	
------------------------	--

Abbreviations and Acronyms

CWA	Clean Water Act
ERM	Environmental Resource Mapper
FEMA	Federal Emergency Management Act
FIRM	Flood Insurance Rate Map
GEI	GEI Consultants, Inc.
JD	Jurisdictional Determination
MSL	Mean Sea Level
NHD	National Hydrography Dataset
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
NYSDEC	New York State Department of Environmental Conservation
USACE	United States Army Corps of Engineers
USACE Manual	1987 United States Army Corps of Engineers Wetlands Delineation Manual
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
WOTUS	Waters of the United States
WSS	Web Soil Survey

Executive Summary

The site at 381 North Highland Avenue, Ossining, New York is being assessed for development of a ground-mounted photovoltaic power storage system. GEI Consultants, Inc. (GEI) was contracted to complete a wetland and waterbody delineation for all wetlands and waters of the United States (WOTUS). This wetland and waterbody delineation included a database review of U.S. Geologic Survey (USGS) Topographic Map Series and National Hydrography Dataset (NHD), U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI), New York State Department of Environmental Conservation (NYSDEC) Environmental Resource Mapper (ERM), U.S. Department of Agriculture Natural Resources Conservation Service (USDA NRCS) Soil Survey, and Federal Emergency Management Act (FEMA) Floodplain Data. After database review, onsite field surveys were conducted using the Routine On-Site Determination method as described in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual (USACE Manual) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region.

The database review identified one riverine habitat, one estuarine and marine deep-water habitat, and one estuarine and marine NWI wetland. Nine different soils were identified within the Site, four of which have low hydric ratings, and one of which is rated as hydric.

The field survey revealed one emergent wetland system along the western boundary of the Site. From the database review and field survey, this wetland is anticipated to be under the jurisdiction of the USACE and under the jurisdiction of the NYSDEC. If development is pursued a Jurisdictional Determination (JD) should be requested from the USACE. A Preliminary JD would be appropriate in this case as the identified resource is anticipated to be under the jurisdiction of the USACE. If development is pursued a Boundary Validation should be requested from the NYSDEC to confirm their jurisdiction and their agreement with the delineated boundary.

1. Introduction

1.1 Site Location and Setting

The 381 North Highland Avenue property (Site) is a 29.9-acre site that is being considered for potential development of photovoltaic power storage. The Site is located in the Town of Ossining, New York, west of North Highland Avenue, north of Mystic Drive, and borders the Croton River and Croton Bay on the west side of the Site (Figure 1). The Croton River feeds into the Hudson River at Croton Bay. The Site belongs to a church and consists of the church and undeveloped area. The surrounding land use consists of a mix of residential, commercial, and undeveloped parcels.

Elevations at the Site range from approximately 0 to 100 feet above mean sea level (MSL). The topography of the Site is primarily flat with steep slopes along the border of the Site (United States Geological Survey [USGS] Topographic Map).

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) (<http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>), nine different soils were identified within the Site, four of which have low hydric ratings (4-6%), and one of which is considered hydric. The Natchaug and Catden mucks, ponded (0 to 2 percent slopes) is located on the southwest portion of the Site and is the only soil with a high hydric rating (98%). The Site is primarily mapped as Charlton-Chatfield complex (0 to 15 percent slopes), Riverhead loam (25 to 50 percent slopes), and Charlton loam (25 to 35 percent slopes).

Per the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps 36119C0117F and 36119C0136F (effective date September 28, 2007) the majority of the Site is located in an area of minimal flood hazard (Zone X). Zone X is defined as an area determined to be outside of the 0.2% annual chance of flood (i.e. outside of the 500-year flood plain). The western boundary of the site is located in a regulatory floodway (Zone AE). There is a small area along the west portion of the site that is zoned as 0.2 PCT annual chance flood hazard; this is the boundary of the flood that has a 0.2-percent chance of being equaled or exceeded in any given year.

2. Methodology

Before a site visit was conducted, GEI reviewed several resource reference maps covering the Site. These included: the USGS Ossining Quadrangle Topographic Map; the USDA NRCS Soils Map, the NYSDEC Environmental Resource Mapper; and the USFWS NWI map. These maps identify potential drainageways, soil units, wetlands, and streams within the Site.

GEI walked the Site to determine the extent and regulatory status of any wetlands and streams present on site. Wetland areas (if present) were identified and delineated in accordance with the USACE Manual (Environmental Laboratory 1987) and the Northeast/Northcentral Regional Supplement (USACE 2012).

Soils, vegetation, and hydrology were observed and recorded to determine the potential presence of wetland habitats. A soil test pit was dug at representative wetland areas to examine soils for evidence of hydric soil indicators. The soil profile was described, and key characteristics including color and presence of redox concentrations were recorded. Soil colors were determined using Munsell Soil Color Charts (Munsell Color, 2010). Vegetation was evaluated at each soil pit location to determine the presence of hydrophytic plant communities. Wetland indicator status was obtained for each species referring to the USACE Northcentral and Northeast 2016 Regional Wetland Plant List (Lichvar, et al. 2016). Wetland hydrology indicators were also assessed at each soil pit location, including the presence of standing water, soil saturation within 12 inches of the surface, and/or evidence suggesting episodes of past inundation. Direct observations and indicators of wetland hydrology were evaluated and recorded. A Cowardin classification identification code was assigned to each wetland area based upon the representative wetland features and the Cowardin classification system definitions (Cowardin et al. 1979).

The wetland boundary and data points were then mapped with a Trimble R1 GNSS receiver to facilitate sub-meter accuracy. Representative photographs of the wetland (if present) and project area were taken and are included in this report (Appendix A).

3. Findings

3.1 Database Review

During the database review, various data sources were consulted to identify potential drainageways, soil units, wetlands, streams, and floodplains within the Site. The USDA NRCS WSS map indicated nine different soil types, four of which had low hydric ratings and one with a high hydric rating. One potential wetland was mapped on the Site via NYSDEC ERM. There was one potential riverine habitat, one potential estuarine and marine deep-water habitat, and one potential estuarine and marine wetland mapped on the Site via the NWI map. Per the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps 36119C0117F and 36119C0136F (effective date September 28, 2007) the Site is primarily located in an area of minimal flood hazard (Zone X). Zone X is defined as an area determined to be outside of the 0.2% annual chance of flood (i.e. outside of the 500-year flood plain). The western portion of the site is located in a regulatory floodway (Zone AE). There is a small area along the west portion of the site that is zoned as 0.2 PCT annual chance flood hazard; this is the boundary of the flood that has a 0.2-percent chance of being equaled or exceeded in any given year.

3.2 Wetlands

Approximately two (2) percent of the Site (0.68-acres) consists of wetlands (Figure 1). One (1) wetland was delineated on the Site, labelled Wetland S1. A distinct topographic rise in elevation defined the wetland limits for the majority of this delineated wetland. The wetland area identified within the Site and its Cowardin description is summarized in Table 1 below and a summary of the wetland follows.

Table 1 – Delineated Wetlands

Feature ID	Acreage Per Feature	Cowardin Classification	Description
Wetland S1	0.68	E2EM5P6	Emergent wetland dominated by <i>Phragmites australis</i> .
Total Acreage	0.68		

Notes:

*Acreage within Site based on approximate site boundary lines

E2EM5P6= estuarine, intertidal, emergent, *Phragmites australis*, irregularly flooded, oligohaline

Wetland S1 is situated along the western portion of the Site (Figure 1) and transitions from an estuarine emergent wetland on the southern portion of the delineated wetland to an estuarine unconsolidated bottom complex to the north. The emergent wetland portion is dominated by common reed and eastern star sedge (Figure 1 and Appendix A). The unconsolidated bottom portion of the wetland is bordered by common reed and a mixture of white ash and black oak; this body of water is called Croton River (Appendix A). Wetland S1 exhibits the Redox Dark Surface (F6) hydric soil indicator in the soil layer from 4 to 16 inches deep, a hue of 2.5Y with a matrix/chroma of 3/1, and 15 percent or more distinct or prominent redox concentrations. Wetland hydrology indicators are also present. At the wetland soil sampling point, the water table was observed 5 inches below the surface and soils were saturated to the surface. Surface water was present in the northern portion of Wetland S1.

4. Conclusions

Wetland S1 exhibits hydrologic connections to other resources including the Croton River. Based on field surveys and database review information, this wetland is anticipated to be a jurisdictional USACE wetland. If development is pursued, a Jurisdictional Determination (JD) should be requested from the USACE. In this instance, a Preliminary JD would be appropriate as the identified resource is anticipated to be under their jurisdiction.

Wetland S1 is associated with mapped NYSDEC Freshwater Wetland H-4. As such, this wetland and a 100-ft. Adjacent Area are anticipated to be regulated by the NYSDEC. If development is pursued, a Boundary Validation should be requested from the NYSDEC to confirm their jurisdiction and their agreement with the delineated boundary.

A professional opinion of anticipated permitting requirements for impacts to state and/or federally jurisdictional wetlands and streams can be provided upon review of preliminary site plans.

5. Limitation

The Site investigation described in this report was conducted and prepared on behalf of and for the exclusive use of Borrego Solar Systems, Inc. No other entity may rely upon the results of the assessment or contents of this report for any reasons or purpose, whatsoever.

GEI performed this investigation in accordance with generally accepted practices of engineers, scientists, and/or consultants providing similar services at the same time, in the same locale, and under like circumstances. No other warranty, expressed or implied, is made as to the professional opinions included by GEI in this report.

6. References

- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. United States Fish and Wildlife Service. FWS/OBS-79/31. Washington, DC.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, United States Army Engineer Waterways Experiment Station, Vicksburg, Mississippi.
- Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. *Phytoneuron* 2016-30: 1-17.
- Munsell Color (Firm), Munsell Soil Color Charts: with Genuine Munsell Color Chips. Grand Rapids, MI: Munsell Color, 2010.
- Northeast Regional Climate Center, Climate Normal Maps, May 11, 2018, On-line: <http://www.nrcc.cornell.edu/regional/climatenorms/climatenorms.html>
- National Centers for Environmental Information, National Oceanic and Atmospheric Administration, Climate Data Online, Data Tools, 1981-2010 Normals, May 11, 2018, Online: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>
- United States Army Corps of Engineers. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- United States Geological Survey Topographic Map, Ossing, New York Quadrangle, 7.5-Minute Series, dated 2006.
- United States Department of Agriculture and Natural Resources Conservation Service, Natural Resources Conservation Service (NRCS), Web Soil Survey, April 6, 20, On-line: <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Figure

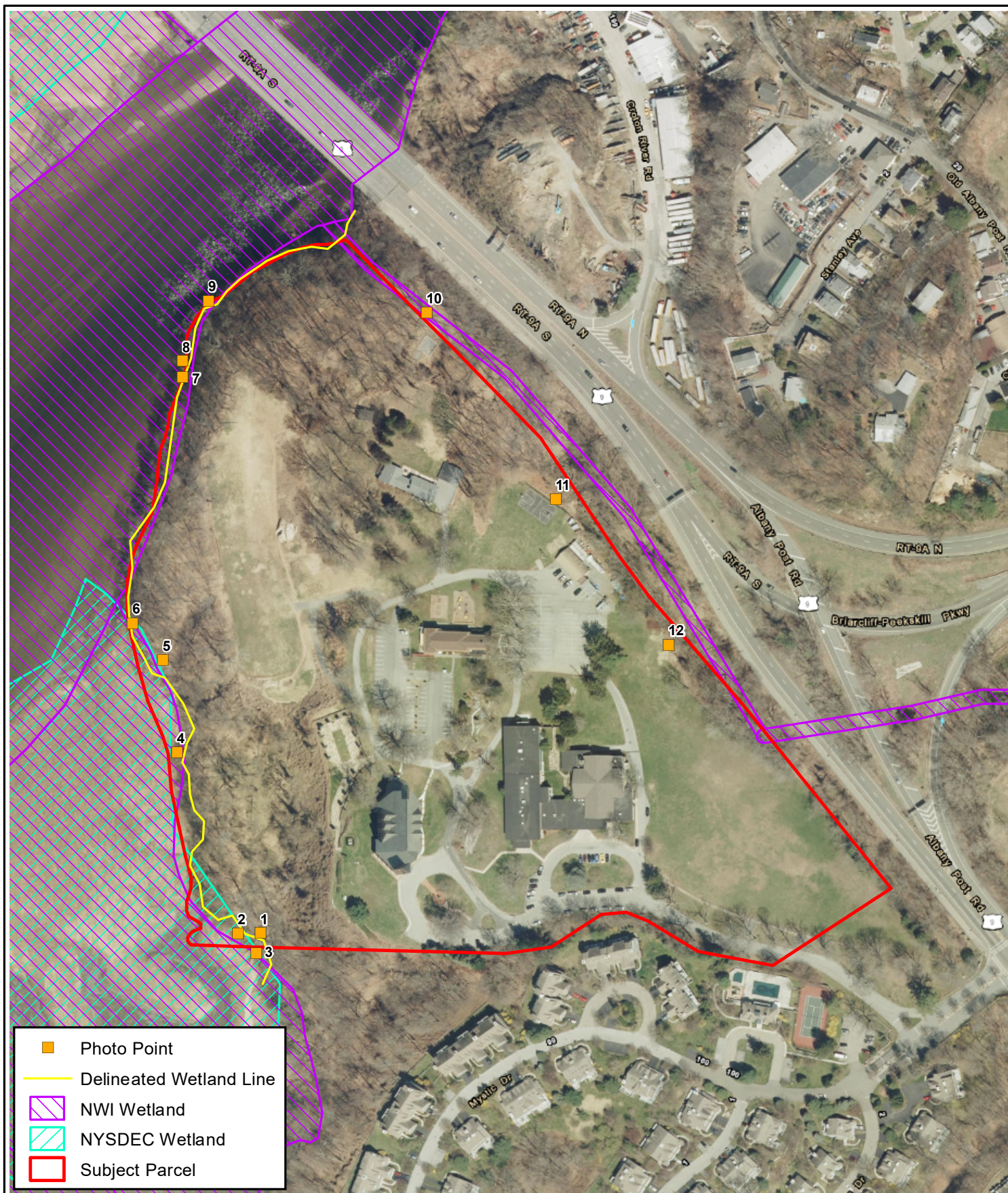


	Photo Point
	Delineated Wetland Line
	NWI Wetland
	NYSDEC Wetland
	Subject Parcel

Proposed Solar Energy Storage Site 381 N Highland Ave, Ossining Westchester County, NY	 1 inch = 250 feet		WETLAND DELINEATION Project: 2001943 Figure: 1
Borrego Solar Systems, Inc.			

Appendix A

Photo Documentation

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 1 – View of upland area in the southwest corner of the Site adjacent to S1 wetland	1
Photo No. 2 – View of S1 wetland in the southwest corner of the Site	1
Photo No. 3 – Representative photo of soil from Soil-1 wet location	2
Photo No. 4 – View of S1 wetland in the central west portion of the Site	2
Photo No. 5 – View of upland area adjacent to S1 in the central west portion of the Site	3
Photo No. 6 – View of S1 wetland in the central west portion of the Site	3
Photo No. 7 – View of S1 wetland facing north	4
Photo No. 8 – View of upland adjacent to the S1 wetland in the northwest portion of the Site	4
Photo No. 9 – View of the edge of the S1 wetland facing east	5
Photo No. 10 – View of upland area in the northeast portion of the Site	5
Photo No. 11 – View of upland area in the northcentral east portion of the Site	6
Photo No. 12 – View of upland area in the central east portion of the Site	6

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 1 – View of upland area in the southwest corner of the Site adjacent to S1 wetland



Photo No. 2 – View of S1 wetland in the southwest corner of the Site

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 3 – Representative photo of soil from Soil-1 wet location



Photo No. 4 – View of S1 wetland in the central west portion of the Site

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 5 – View of upland area adjacent to S1 in the central west portion of the Site



Photo No. 6 – View of S1 wetland in the central west portion of the Site

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 7 – View of S1 wetland facing north



Photo No. 8 – View of upland adjacent to the S1 wetland in the northwest portion of the Site

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 9 – View of the edge of the S1 wetland facing east



Photo No. 10 – View of upland area in the northeast portion of the Site

381 N Highland Ave Inspection Photos

Date: 06/02/20

GEI Project No.: 2001943

Client: Borrego Solar Systems, Inc.



Photo No. 11 – View of upland area in the northcentral east portion of the Site



Photo No. 12 – View of upland area in the central east portion of the Site

Appendix N

NYS OPRHP Letter



Parks, Recreation and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

ARCHAEOLOGY COMMENTS

Phase IA/IB Archaeological Survey Recommendation

Project: 381 N Highland Ave Energy Storage - Ossining
PR#: 20PR02356
Date: 13 April 2020

Your project is in an archaeologically sensitive location. A previously recorded archaeological site is located on the property.

Therefore, the State Historic Preservation Office/Office of Parks, Recreation and Historic Preservation (SHPO/OPRHP) recommends a Phase IA/IB archaeological survey for components of the project that will involve ground disturbance, unless substantial prior ground disturbance can be documented. A Phase IA/IB survey is designed to determine the presence or absence of archaeological sites or other cultural resources in the project's Area of Potential Effects (APE).

If you consider the entire project area to be disturbed, documentation of the disturbance will need to be reviewed by SHPO/OPRHP. Examples of disturbance include mining activities and multiple episodes of building construction and demolition. Documentation of ground disturbance typically consists of soil bore logs, photos, or previous project plans. Agricultural activity is not considered to be substantial ground disturbance.

Please note that in areas with alluvial soils or fill archaeological deposits may exist below the depth of superficial disturbances such as pavement or even deeper disturbances, depending on the thickness of the alluvium or fill. Evaluation of the possible impact of prior disturbance on archaeological sites must consider the depth of potentially culture-bearing deposits and the depth of planned disturbance by the proposed project.

Our office does not conduct archaeological surveys. A 36 CFR 61 qualified archaeologist should be retained to conduct the Phase IA/IB survey.

Please also be aware that a Section 233 permit from the New York State Education Department (SED) may be necessary before archaeological fieldwork is conducted on State-owned land. If any portion of the project includes the lands of New York State, you should contact the SED before initiating survey activities. The SED contact is Christina Rieth and she can be reached at christina.rieth@nysed.gov. Section 233 permits are not required for projects on private land.

If you have any questions concerning archaeology, please contact Philip Perazio at philip.perazio@parks.ny.gov.



**Parks, Recreation,
and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

November 05, 2020

Lauren Haberland
Borrego Solar Systems
30 Century Hill Drive, Suite 301
Latham, NY 12110

Re: DEC
381 N Highland Ave Energy Storage - Ossining
381 N Highland Ave, Ossining, NY 10562
20PR02356

Dear Lauren Haberland:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Thank you for submitting photographs of the project area. While they do indicate some amount of disturbance, archaeological deposits may still exist below ground. A precontact Native American archaeological site, the Ossining Precontact Site (11912.000078), has previously been recorded in this immediate area. Others are known to exist nearby. Therefore, we continue to recommend that a Phase I archaeological survey be conducted of this project area.

If you have any questions, please don't hesitate to contact me.

Sincerely,

A handwritten signature in black ink, reading "Philip A. Perazio".

Philip A. Perazio, Historic Preservation Program Analyst - Archaeology Unit
Phone: 518-268-2175
e-mail: philip.perazio@parks.ny.gov

via email only

cc: Jennifer Geraghty, Hartgen; Charles Vandrei and David Witt, DEC