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# QUARTERLY OPERATION AND MAINTENANCE REPORT – FOURTH QUARTER 2021

## **Stanton Cleaners Area Superfund Site**

110 Cutter Mill Road  
Great Neck, New York

NYDEC Site No. 130072

### Prepared For:

New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233  
Contract #D009808

### Prepared By:

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HRP #: DEC1003.OM

Issued On: January 31, 2022





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## **General Information**

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### **Project/Site Information:**

Stanton Cleaners Area Superfund Site  
110 Cutter Mill Road  
Great Neck, NY 11021

### **Consultant Information:**

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Conservation  
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**Report Date:** 1/31/2022



**Project Manager:**

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David Feinson  
Project Manager



## 1.0 INTRODUCTION

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HRP Associates, Inc. (HRP) has been contracted by the New York State Department of Environmental Conservation (NYSDEC) for site management tasks under Standby Engineering Contract D009808. Under this contract, on-going site management was assigned to HRP for the former Stanton Cleaners Site, NYSDEC Site No. 130072, located at 110 Cutter Mill Road in Great Neck, New York (herein referred to as the "Site"). The Site location is depicted on **Figure 1**. The Site is currently listed on the New York State Registry of Inactive Hazardous Waste Sites as a Class 4 site. This designation is for properly closed sites but requires continued management until remedial objectives are achieved. The United States Environmental Protection Agency (USEPA) oversaw the operations and maintenance (O&M) and site management from 2001 to 2012. NYSDEC assumed responsibility for site management in 2012. The on-going site management was assigned to HRP in April 2020. This work assignment (WA) includes the following tasks:

- Task 1 – Preliminary Activities
- Task 2 – Site Management Plan
- Task 3 – System Operations and Maintenance
- Task 4 – Monitoring and Reporting
- Task 5 – Periodic Review and Report
- Task 6 – Site Remedial Systems Optimization

This quarterly Operations and Maintenance (O&M) Report summarizes the O&M and monitoring activities completed during the 4<sup>th</sup> quarter of 2021 (October through December 2021). This report provides a description of the work performed throughout the reporting period, a discussion of the data obtained, and documents the relevant performance monitoring.



## 2.0 **SITE BACKGROUND**

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### 2.1 **Site Location and Current Use**

Stanton Cleaners is a former dry-cleaning facility located at 110 Cutter Mill Road in Great Neck, Nassau County, New York (The Site location is shown on **Figure 1**). A dry cleaner had operated at the Site since the 1950s. The property had several different owners in subsequent years and the business may have had several names, most recently Stanton Cleaners. Between about 1958 and 1983, waste liquids from the on-Site dry-cleaning processes were discharged, spilled, or leaked onto the ground behind the facility (U.S. Department of Health, 2004). The Site is located approximately 1,000 feet north of an active public water supply well field owned and operated by the Water Authority of Great Neck North (WAGNN). The Site is approximately ¼ acre and includes a two-story building in which the dry-cleaning business operated, an adjacent one-story boiler/storage building, and a building that houses the current remediation system. Site features are depicted on **Figure 2**. The Site is bordered to the west by Cutter Mill Road, to the north and east by a former indoor tennis court, and to the south by a gasoline station. Adjacent areas that have been affected by the contamination include, but are not limited to, the neighboring Plaza Tennis Center, the Century Condominium Complex, the North Shore Sephardic Synagogue, and the Long Island Hebrew Academy (LIHA).

### 2.2 **Remedial History**

In June of 1983, the Nassau County Department of Health (NCDH) inspected the Stanton Cleaners facility. According to NCDH files, the inspection revealed a pipe protruding from the rear side of the building. It was noted that the pipe was connected to the dry-cleaning fluid/water separator that discharged onto the ground in the rear yard sloping away from the building. To determine the impacts of the separator discharge, soil samples were collected by NCDH in the rear of the building. The results of the analysis indicated the soil was contaminated with tetrachloroethene (PCE) at concentrations up to 8,000 parts per million (ppm). Groundwater sampling conducted in January 1998 by a contractor for the NYSDEC detected PCE; 1,2-dichloroethene (DCE); and trichloroethene (TCE) contamination at, and downgradient of Stanton Cleaners.

On June 8, 1998, the NYSDEC requested that USEPA perform a Comprehensive Environmental Response, Compensation, and Liabilities Act (CERCLA) authorized emergency response action at the Site to address contaminated groundwater impacting the nearby public water supply. The Stanton Cleaners Site was added to the National Priorities List (NPL) on May 17, 1999.

A remediation system was subsequently installed at the Site, which includes Groundwater Extraction and Treatment (GWE&T), soil vapor extraction (SVE), and air sparging. Three (3) extraction wells are associated with the GWE&T system and are equipped with submersible pumps. The extracted groundwater is treated through a 2,000-pound liquid phase granular activated carbon (GAC) vessel prior to discharge to the storm sewer. The SVE system consists of six extraction wells connected to a blower and knockout tank. The extracted vapor is treated through a 3,000-pound vapor phase GAC vessel prior to discharge to the atmosphere. An air sparge system was installed using a compressor to provide sparge air to the screened interval in two (2) wells. Use of the air sparge system was discontinued in December 2014.



### **2.3 Site Cleanup Objectives**

On-going remedial actions are being implemented to restore the impacted media (soil, soil vapor, and groundwater) to pre-disposal conditions. The closure criterion will ultimately be determined by the NYSDEC based on the future monitoring data. The Standards, Criteria, and Guidance (SCGs) currently used for the various media being sampled at the Site are summarized below.

- Soil – NYSDEC Environmental Conservation Law (ECL) 6 New York Code of Rules and Regulations (NYCRR) Part 375-6: Remedial Program Soil Cleanup Objectives (SCOs)
- Groundwater - NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
- Soil Vapor - New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion (SVI) in the State of New York.



### **3.0 OPERATIONS AND MAINTENANCE PROGRAM**

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The operations and maintenance program for the Stanton Cleaners Area Superfund Site includes the following:

- Monthly inspections of the GWE&T system and SVE system;
- Monthly sampling and laboratory analysis of GWE&T system influent and effluent. Samples analyzed for VOCs via EPA Method 8260;
- Quarterly sampling of SVE system influent and effluent. Samples analyzed for VOCs via EPA method TO-15; and
- Annually sampling of the system discharge point to the city sewer. Samples will be analyzed for SPDES Equivalency Parameters.

HRP assumed O&M and sampling responsibilities for the Site in January 2021. Notes related to system issues are included in Section 5.0 of this report. HRP performs the monthly, quarterly, and annual sampling activities at the Site as well as the day-to-day O&M of the remediation systems. HRP prepares daily reports during each visit to the Site that summarize Site activities for that day. The daily reports are included in **Appendix A**.

#### **3.1 Groundwater Extraction and Treatment System Operations and Maintenance**

Extraction well EPA-EXT-02, located at the intersection of Cutter Mill Road and Ascot Road, is currently the only operational extraction well. Four (4) other extraction wells, EPA-EXT-01, EPA-EXT-03, EPA-EXT-04R, and ST-IW-01, are not in operation at this time. The locations of the extraction wells are depicted on **Figure 2**. Field notes related to operation and maintenance of the GWE&T system are included in **Appendix B**.

The continuous four-hour data logging software, Lookout®, was not functioning during the entirety of the 4<sup>th</sup> quarter. When functioning, the Lookout® data is used to calculate mass removal rate, total and cumulative flow, and average monthly flow rate.

Based on the field logs, the GWE&T system operated at a flow rate of 56 gallons per minute (GPM) and discharged a total of approximately 5450,536 gallons during the 4<sup>th</sup> quarter of 2021. Based on recorded flow rates, monthly totalizer readings, and analysis of laboratory data for samples collected from EPA-EXT-02, approximately 0.22 pounds (lbs) of PCE have been removed in the liquid phase during the 4<sup>th</sup> quarter of 2021. This totals 12.50 lbs of PCE removed in the liquid phase since NYSDEC assumed O&M responsibilities in 2012. The VOC mass removal for the 4<sup>th</sup> quarter of 2021 is summarized on **Table 1**.

##### **3.1.1 Groundwater Extraction and Treatment System Influent and Effluent Sampling**

Monthly sampling of the GWE&T system influent and effluent is conducted to monitor the efficiency of the system and to determine if liquid GAC breakthrough occurred. Samples were submitted to Eurofins Environment Testing/TestAmerica (Eurofins) for analysis of VOCs via EPA Method 8260 in October and November. Starting in December, samples were submitted to Pace Analytical Laboratory.



PCE was detected in the three (3) influent samples at concentrations ranging from 3.3 micrograms per liter ( $\mu\text{g/L}$ ) to 3.92  $\mu\text{g/L}$ . The detection of PCE in the influent samples do not exceed the NYSDEC GWQS of 5  $\mu\text{g/L}$ . No VOCs were detected in the effluent samples, except for PCE, which ranged from 3.7 to 4.26  $\mu\text{g/L}$  in the monthly samples. The detection of PCE in the effluent samples does not exceed the NYSDEC GWQS of 5  $\mu\text{g/L}$ . The results of influent and effluent sampling during the 4<sup>th</sup> quarter of 2021 are summarized in **Table 2**.

### 3.1.2 Groundwater Extraction and Treatment System Annual SPDES Sampling

Annual SPDES sampling of the groundwater extraction and treatment system was not completed during this quarter.

The next annual sample is scheduled to be collected in the 3<sup>rd</sup> quarter of 2022.

## 3.2 Soil Vapor Extraction System Operations and Maintenance

Air monitoring of the SVE system is performed on a monthly basis. Monitoring includes the field analysis of the following parameters: VOCs, carbon monoxide, oxygen, lower explosive limit, hydrogen sulfide, air velocity (cubic feet per minute), temperature, relative humidity, dew point, and vacuum pressure. The following locations were monitored:

- SVE-Influent
- Post-Blower-Pre-Carbon
- EPA-SVE-1 (shallow)
- EPA-SVE-1 (medium)
- EPA-SVE-2 (shallow)
- EPA-SVE-2 (medium)
- SS-A
- SVE-3A
- SVE-3B
- SVE-1 Combined
- SVE-2 Combined
- hSVE-1
- hSVE-2
- Background

Monitoring of the SVE system occurred on October 25, 2021, November 23, 2021, and December 20, 2021. Monthly monitoring logs are included in **Appendix C**.

Samples SVE\_INF and SVE\_EFF were collected from the influent and effluent, respectively, via SUMMA canisters and analyzed for VOCs by TO-15 on December 20, 2021. Concentrations of PCE at 2.3 micrograms per cubic meter ( $\mu\text{g/m}^3$ ) were detected in the influent sample (SVE\_INF). PCE was not detected in the effluent sample (SVE Eff). Several non-chlorinated VOCs were detected in the influent and effluent including acetone, benzene, chloromethane, cyclohexane, Freon 12, ethanol, ethylbenzene, heptane, hexane, isopropanol, toluene, and xylenes. A summary of the SVE influent and effluent sample results is included in **Table 3**.



The Velocicalc meter recorded a flow rate of approximately 7.2 cubic feet per minute (cfm) at the SVE influent in November 2021. A meter reading of the flow rate at the influent was not recorded for December 2021 at the time of sampling. Based on the data available, approximately 0.03 lbs of chlorinated VOCs (consisting primarily of PCE, TCE, and cis-1,2-DCE) were removed by the SVE system during the 4<sup>th</sup> quarter of 2021. The VOC mass removal for the 4<sup>th</sup> quarter of 2021 is summarized on **Table 4**. In order to optimize recovery, HRP shut-off the valves for several of the extraction wells on August 31, 2021. Currently, vapor is being extracted from the extraction wells that typically have the highest total VOC readings during monthly O&M events including, SVE-2, SVE-3B, hSVE-1, and hSVE-2. Further action will be taken to optimize SVE system operations to maximize contaminant recovery during the 1<sup>st</sup> quarter of 2022.



## 4.0 MONITORING PROGRAM

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The monitoring program for the Stanton Cleaners Area Superfund Site includes the following:

- Quarterly operations and maintenance reports;
- Monthly gauging of 16 monitoring wells for water level;
- Semi-annual groundwater sampling of the well network for analysis of VOCs via EPA Method 8260;
- Annual soil vapor intrusion sampling at the Long Island Hebrew Academy (LIHA); and
- Monitoring of the WAGNN supply well.

### 4.1 Plume Perimeter Monitoring

Monitoring wells are gauged for water level on a monthly basis to assess capture zones around the groundwater extraction well EPA-EXT-02. **Figure 3** depicts the network of monitoring wells.

Monitoring wells were gauged monthly during the 4<sup>th</sup> quarter of 2021. The locations and number of wells monitored were previously determined by the USEPA based on the 2014 *Final Capture Zone Analysis Report*. **Appendix D** includes the groundwater level measurements.

### 4.2 Groundwater Sampling

Semi-annual groundwater sampling was not conducted during this quarter. The next routine semi-annual groundwater sampling event is scheduled for the 1<sup>st</sup> quarter of 2022.

### 4.3 Indoor Air Quality Sampling

On December 15-16, 2021, three (3) indoor air samples (two basement; one first floor), one outdoor air sample, and one duplicate indoor air sample were collected from the LIHA building using 6-liter Summa® canisters, equipped with 24-hour flow controllers, and submitted for the analysis of VOCs via USEPA Method TO-15. A copy of the LIHA indoor air sampling questionnaire is provided in **Appendix F**.

The following compounds were detected in all or some of the samples (including the duplicate): acetone, benzene, carbon tetrachloride, chloroform, chloromethane, cyclohexane, dichlorodifluoromethane, ethanol, ethyl acetate, ethylbenzene, heptane, isopropanol, methyl isobutyl ketone, styrene, PCE, tetrahydrofuran, toluene, m-xylene & p-xylene, o-xylene, trichlorofluoromethane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. Analytical results are summarized in **Table 6**.

### 4.4 Water Authority of Great Neck North Public Supply Well Monitoring

Monitoring of the WAGNN public supply well was not conducted during this quarter.



## 5.0 **MAINTENANCE ISSUES AND RECOMMENDED SOLUTIONS**

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Several O&M issues were identified when HRP assumed O&M responsibilities in January 2021. The following lists the outstanding items that HRP will address in 2022:

- Based on discussions with NYSDEC and NYSDOH, the GWE&T system will be shut down in the 1<sup>st</sup> quarter of 2022; therefore, no repairs will be performed to address issues previously identified with the GWE&T system.
- The heater in the GWE&T room is not functioning.
  - HRP recommended that the heater be repaired or replaced before winter 2021. A new heater has been purchased and installed during the 4<sup>th</sup> quarter of 2021.
- Fire safety inspection are performed on a monthly basis. Inspection forms are maintained at the site, and copies are included in **Appendix E**. Certain issues were identified during the last inspection, including wind damage to the roof of the building. A contractor should be retained to perform the necessary building repairs.

HRP will be working on implementing the above recommendations as part of ongoing O&M of the remediation systems in 2022.



## **6.0 FUTURE ACTIVITIES**

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Future maintenance and monitoring activities at the Site includes the following:

- Routine monthly operations and maintenance activities will continue; and
- Semi-annual groundwater sampling is scheduled to be completed in the 1<sup>st</sup> quarter of 2022.



## 7.0 PROGRESS TOWARD CLEANUP OBJECTIVES

Based on review of O&M field notes and laboratory analysis of samples collected from EPA-EXT-02, the GWE&T system removed approximately 0.25 lbs of VOCs during the 4<sup>th</sup> quarter of 2021. Based on review of O&M field notes and laboratory analysis of SVE-Influent samples analyzed by the laboratory, the SVE system removed approximately 0.03 lbs of VOCs consisting primarily of PCE. The total cost of system O&M during this quarter was \$21,253.84 (Tasks 1 through 4 of the WA). A cost per pound of VOC removal in both liquid and vapor phase is provided below.

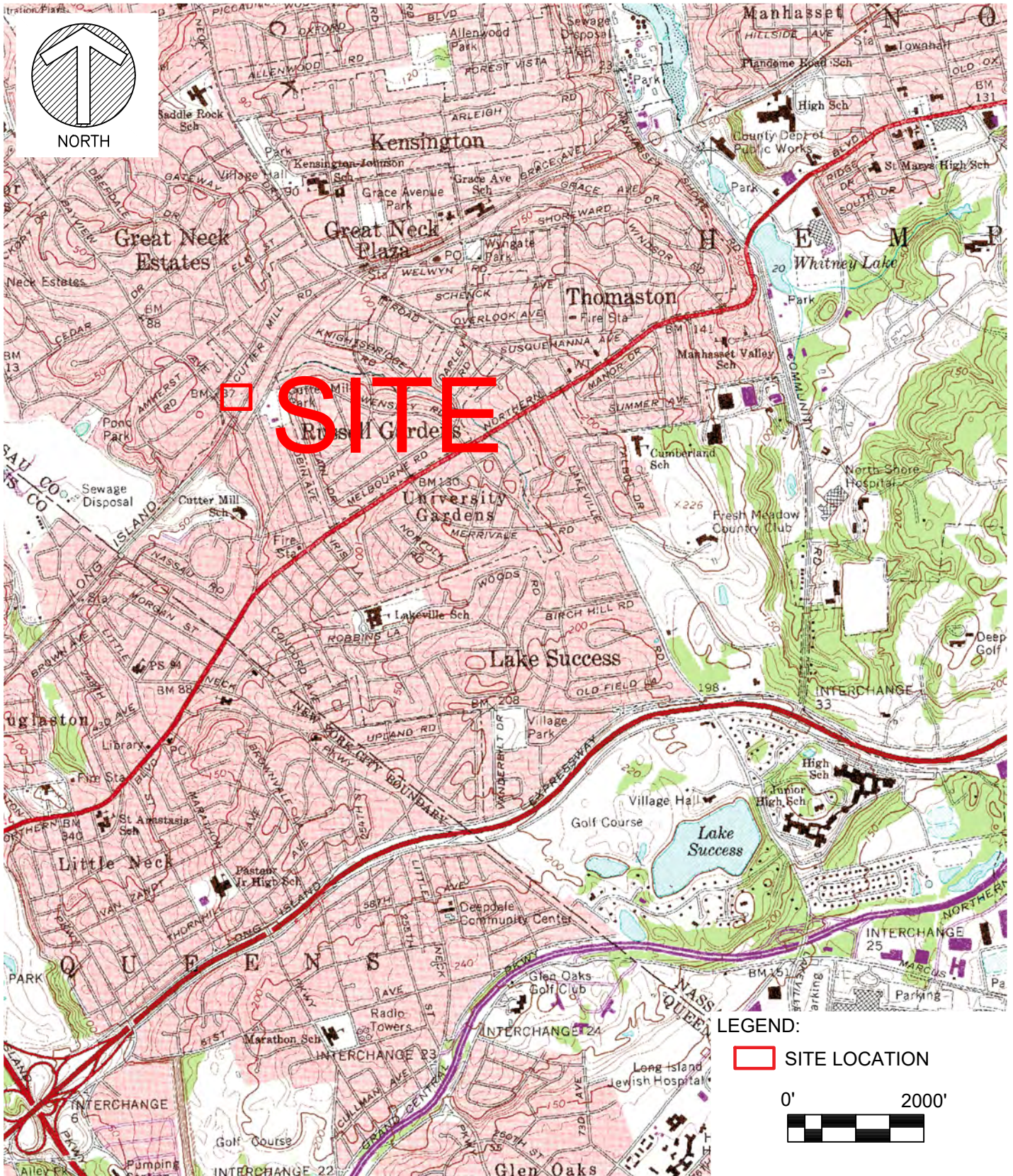
Quarterly Cost Summary					
Period	Quarterly O&M Cost	VOC Mass Removed by SVE (lbs)	VOC Mass Removed by GWE&T (lbs)	Total VOC Mass Removed (lbs)	Cost per Pound of VOC Removal
10/1/2021 through 12/31/2021	\$21,253.84	0.28	0.25	0.03	Not applicable (<1 lb removed)

Based on the analytical results and system flow rates, the SVE system recovered less contaminant mass than usual. HRP will perform system optimization actions during the 1<sup>st</sup> quarter of 2022 in order to maximize mass recovery by the SVE system. The GWE&T system samples collected in October, November, and December 2021 did not exceed the NYSDEC GWQS. Based on discussions with NYSDEC personnel, the GWE&T system will be shut down in the 1<sup>st</sup> quarter of 2022 due to low recovery rates and low concentrations of VOCs consistently detected in the system influent.



# FIGURES





## SITE LOCATION MAP

**STANTON CLEANERS**  
110 CUTTER MILL ROAD  
GREAT NECK, NEW YORK 11021

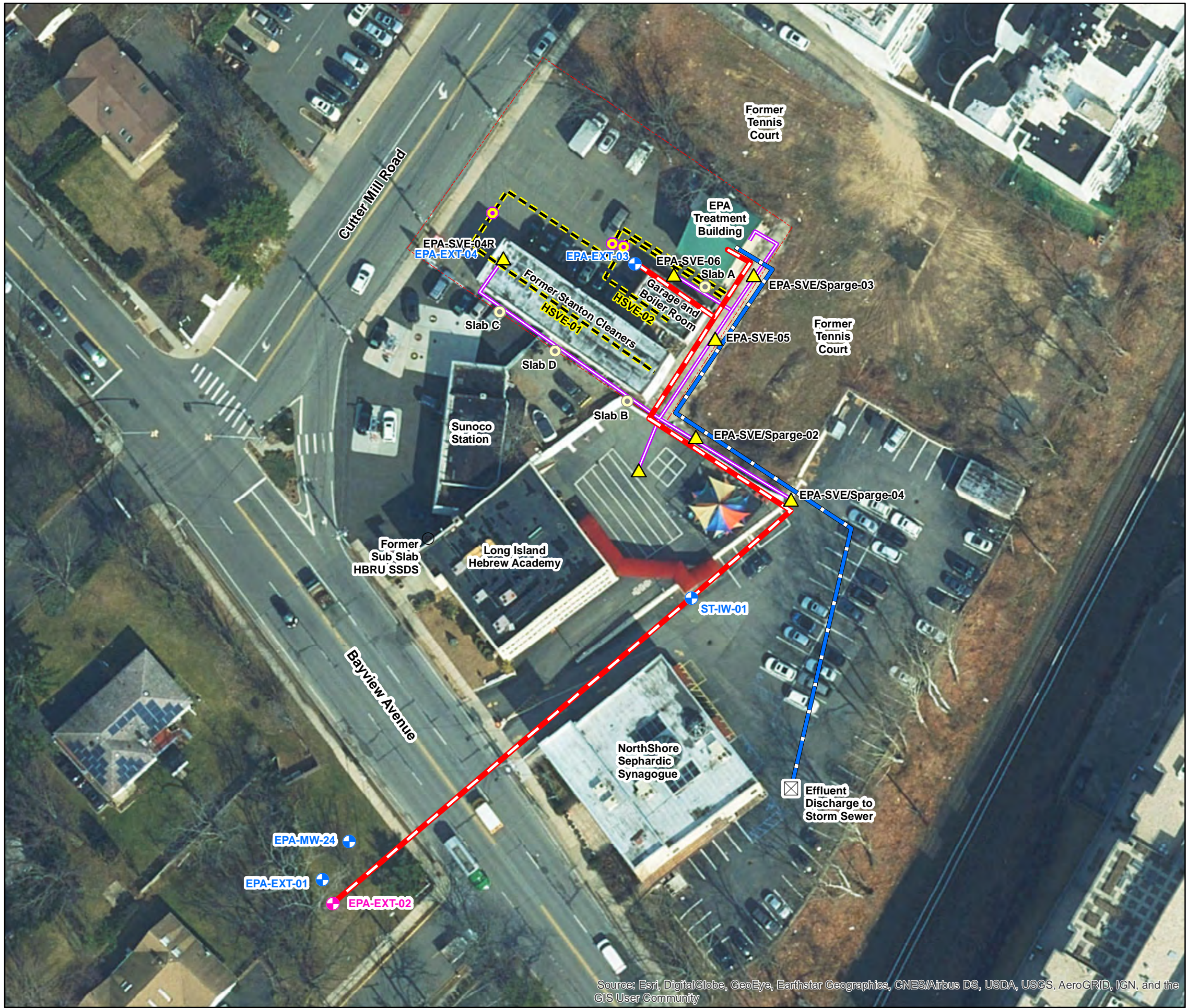
SCALE: 1" = 2000'

05/13/2020  
ISSUE DATE:

DEC1003.OM  
PROJECT NUMBER:

FIGURE  
**1**






Legend

- HSVE Cleanout
- Effluent Discharge
- SVE Well
- Non-Operational Extraction Well
- Groundwater Extraction Well
- Groundwater Treatment Effluent Line
- Groundwater Treatment Influent Line
- Horizontal SVE Well
- Existing SVE System Suction Line
- Stanton Cleaners Property



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North

0 25 50 Feet

Revisions	No.	Date	Designed By:	Drawn By:	Reviewed By:
			AAL	BOB	DJF
Issue Date:	01/11/2021	Project No:	DEC1003.OM	Sheet Size:	11x17

Site Layout

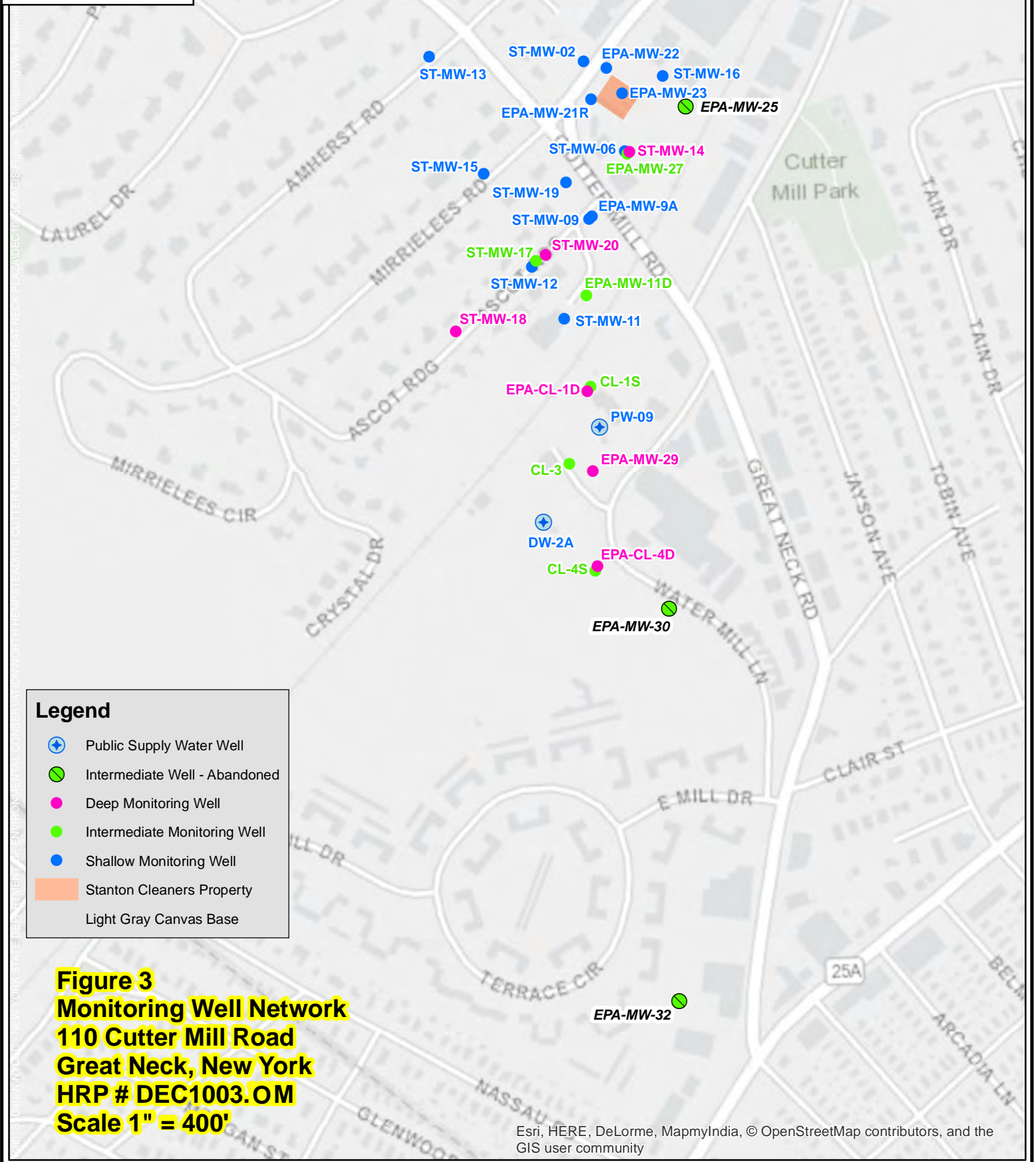
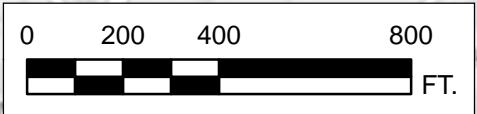
Stanton Cleaners Site  
110 Cutter Mill Road  
Village of Great Neck Plaza  
New York

Fig. 2





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### Legend

- Public Supply Water Well
- Intermediate Well - Abandoned
- Deep Monitoring Well
- Intermediate Monitoring Well
- Shallow Monitoring Well
- Stanton Cleaners Property
- Light Gray Canvas Base

**Figure 3**  
**Monitoring Well Network**  
**110 Cutter Mill Road**  
**Great Neck, New York**  
**HRP # DEC1003.OM**  
**Scale 1" = 400'**



# TABLES



**Table 1: Groundwater Extraction and Treatment System**

Summary of VOC Mass Removal  
 Stanton Cleaners - NYSDEC Site # 130072  
 110 Cutter Mill Road, Great Neck, NY

Sample Date	Period (Number of days between samples)	Total Flow (Gallons)	Influent PCE Concentration (µg/L)	PCE Mass Removed (lbs/month)	Cumulative PCE Mass Removed (lbs)
3/20/2020	---	955939.0	5.4	0	10.79
4/15/2020	26	3154729.6	4.2	0.08	10.87
5/6/2020	21	4943370	4.3	0.06	10.93
6/3/2020	28	7305163	3.3	0.07	11.00
7/6/2020	33	10090087	3.9	0.09	11.09
8/5/2020	30	12578875.3	4.6	0.10	11.18
9/1/2020	27	14821635	5.1	0.10	11.28
10/7/2020	36	17759245	3.1	0.08	11.35
11/12/2020	36	20773518	3.4	0.09	11.44
12/7/2020	25	22720425	3.9	0.06	11.50
1/19/2021	43	26183400	3.7	0.11	11.61
2/23/2021	35	28958200	5.8	0.13	11.74
3/18/2021	23	31080160	3.8	0.07	11.81
4/28/2021	41	34360160	3.7	0.10	11.91
5/25/2021	27	36542181	4.7	0.09	12.00
6/30/2021	36	39428222	3.7	0.09	12.09
7/28/2021	28	41672920	3.8	0.07	12.16
8/31/2021	34	44398626	4.5	0.10	12.26
9/28/2021	28	46643324	4.6	0.09	12.35
10/26/2021	28	48316604	3.3	0.05	12.39
11/23/2021	28	49995932	3.88	0.05	12.45
12/20/2021	27	51614636	3.92	0.05	12.50

Total Flow based on flow meter readings using average flow values due to incorrect n

**Notes**

PCE = Tetrachloroethylene

lbs = pounds

µg/L = micrograms per cubic liter



Table 2  
Groundwater Extraction Treatment System Influent and Effluent Analytical Results  
110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA, NY  
HRP# DEC1003.OM

			Lab Report No.:	21K1591	21K1591	21L1631	4602460161	4602460161
			Sample Name:	Effluent	EPA Ext-02	EPPA EXT-02	Effluent	EPA EXT-02
			ID:	EFFLUENTT	EPA EXT02	EPA EXT-02	EFFLUENT	EPA EXT-02
			Date Collected:	11/23/2021	11/23/2021	12/20/2021	10/26/2021	10/26/2021
	Unit	NYSDEC CLASS GA CRITERIA						
VOC								
1,1,1-Trichloroethane	ug/l	5	< 0.17	< 0.17	< 0.17	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	ug/l	5	< 0.09	< 0.09	< 0.09	< 1.0	< 1.0	
1,1,2-Trichloroethane	ug/l	1	< 0.15	< 0.15	< 0.15	< 1.0	< 1.0	
1,1,2-Trichlorotrifluoroethane (freon 113)	ug/l	5	-	-	-	< 1.0	< 1.0	
1,1-Dichloroethane	ug/l	5	< 0.16	< 0.16	< 0.16	< 1.0	< 1.0	
1,1-Dichloroethylene	ug/l	5	< 0.16	< 0.16	< 0.16	< 1.0	< 1.0	
1,2-Dibromo-3-chloropropane	ug/l	0.04	-	-	-	< 1.0	< 1.0	
1,2-Dibromoethane (EDB) (ethylene dibromide)	ug/l	0.0006	-	-	-	< 1.0	< 1.0	
1,2-Dichlorobenzene	ug/l	3	< 0.1	< 0.1	< 0.1	< 1.0	< 1.0	
1,2-Dichloroethane	ug/l	0.6	< 0.32	< 0.32	< 0.32	< 1.0	< 1.0	
1,2-Dichloropropane	ug/l	1	< 0.18	< 0.18	< 0.18	< 1.0	< 1.0	
1,3-Dichlorobenzene	ug/l	3	< 0.09	< 0.09	< 0.09	< 1.0	< 1.0	
1,3-Dichloropropene (cis)	ug/l	0.4	< 0.12	< 0.12	< 0.12	< 1.0	< 1.0	
1,3-Dichloropropene (trans)	ug/l	0.4	< 0.15	< 0.15	< 0.15	< 1.0	< 1.0	
1,4-Dichlorobenzene	ug/l	3	< 0.11	< 0.11	< 0.11	< 1.0	< 1.0	
2-Butanone (MEK)	ug/l	50	-	-	-	< 5.0	< 5.0	
2-Hexanone (Methyl butyl ketone/MBK)	ug/l	50	-	-	-	< 5.0	< 5.0	
Acetone	ug/l	50	-	-	-	< 6.0	< 6.0	
Benzene	ug/l	1	< 0.13	< 0.13	< 0.13	< 1.0	< 1.0	
Benzene, 1,2,4-trichloro-	ug/l	5	-	-	-	< 1.0	< 1.0	
Bromodichloromethane	ug/l	50	< 0.14	< 0.14	< 0.14	< 1.0	< 1.0	
Bromoform	ug/l	50	< 0.29	< 0.29	< 0.29	< 1.0	< 1.0	
Bromomethane	ug/l	5	< 1.07	< 1.07	< 1.07	< 1.0	< 1.0	
Carbon disulfide	ug/l	60	-	-	-	< 1.0	< 1.0	
Carbon tetrachloride	ug/l	5	< 0.17	< 0.17	< 0.17	< 1.0	< 1.0	
Chlorobenzene	ug/l	5	< 0.08	< 0.08	< 0.08	< 1.0	< 1.0	
Chloroethane	ug/l	5	< 0.37	< 0.37	< 0.37	< 1.0	< 1.0	
Chloroform	ug/l	7	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	
Chloromethane	ug/l	5	< 0.38	< 0.38	< 0.38	< 1.0	< 1.0	
cis-1,2-Dichloroethylene	ug/l	5	-	-	-	< 1.0	< 1.0	
Cyclohexane	ug/l	-	-	-	-	< 1.0	< 1.0	
Dibromochloromethane	ug/l	50	< 0.16	< 0.16	< 0.16	< 1.0	< 1.0	
Dichlorodifluoromethane	ug/l	5	-	-	-	< 1.0	< 1.0	
Ethylbenzene	ug/l	5	< 0.09	< 0.09	< 0.09	< 1.0	< 1.0	
Isopropylbenzene	ug/l	5	-	-	-	< 1.0	< 1.0	
m-,p-,o- Xylene	ug/l	5	-	-	-	< 2.0	< 2.0	
m/p-Xylenes	ug/l	5	< 0.18	< 0.18	< 0.18	-	-	
METHYL ACETATE	ug/l	-	-	-	-	< 5.0	< 5.0	
Methyl isobutyl ketone (MIBK)	ug/l	-	-	-	-	< 5.0	< 5.0	
Methylcyclohexane	ug/l	-	-	-	-	< 1.0	< 1.0	
Methylene chloride	ug/l	5	< 0.3	< 0.3	< 0.3	< 1.0	< 1.0	
Methyltertbutyl ether	ug/l	10	< 0.17	< 0.17	< 0.17	< 1.0	< 1.0	
o-Xylene	ug/l	5	< 0.09	< 0.09	< 0.09	-	-	
Styrene	ug/l	5	-	-	-	< 1.0	< 1.0	
Tetrachloroethylene	ug/l	5	4.26	3.88	3.92	3.7	3.3	
Toluene	ug/l	5	< 0.11	< 0.11	< 0.11	< 1.0	< 1.0	
trans-1,2-Dichloroethylene	ug/l	5	< 0.17	< 0.17	< 0.17	< 1.0	< 1.0	
Trichloroethylene	ug/l	5	< 0.18	< 0.18	< 0.18	< 1.0	< 1.0	
Trichlorofluoromethane	ug/l	5	< 0.19	< 0.19	< 0.19	< 1.0	< 1.0	
Vinyl chloride	ug/l	2	< 0.2	< 0.2	< 0.2	< 1.0	< 1.0	





**SVE System - Influent and Effluent Analytical Results**  
**110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA, NY**  
**HRP# DEC1003.OM**

<b>Lab Report No.:</b>			
<b>Sample Name:</b>		SVE Eff	SVE Inf
<b>ID:</b>		SVE-EFF	SVE-INF
<b>Date Collected:</b>		20 Dec 2021	20 Dec 2021
<b>Units</b>			
<b>VOC</b>			
2-Propanol (Isopropyl alcohol)	ug/m3	45	83
Acetone	ug/m3	33	55
Benzene	ug/m3	1.1	2.2
Bromochloromethane	ug/m3	8	8
Chloromethane	ug/m3	< 0.83	1.8
Cyclohexane	ug/m3	< 0.69	2.3
Dichlorodifluoromethane	ug/m3	2.6	2.2
Ethanol	ug/m3	770	1,200
Ethylbenzene	ug/m3	< 0.87	0.96
m/p-Xylenes	ug/m3	< 1.7	2.6
o-Xylene	ug/m3	< 0.87	0.92
Tetrachloroethylene	ug/m3	< 1.4	2.3
Toluene	ug/m3	3.1	11



**Table 4: Soil Vapor Extraction System**  
**Summary of VOC Mass Removal**  
 Stanton Cleaners - NYSDEC Site # 130072  
 110 Cutter Mill Road, Great Neck, NY

Sample Date	Period (Days)	PCE Concentration (mg/m <sup>3</sup> )	TCE Concentration (mg/m <sup>3</sup> )	cis-1,2-DCE Concentration (mg/m <sup>3</sup> )	Flowrate (cfm)	Ave. PCE Concentration (mg/m <sup>3</sup> )	PCE Discharge (lbs)	Ave. TCE Concentration (mg/m <sup>3</sup> )	TCE Discharge (lbs)	cis-1,2-DCE Concentration (mg/m <sup>3</sup> )	cis-1,2-DCE Discharge (lbs)	Cumulative VOC Mass Removed (lbs)
3/20/2020	1	34.00	0.41	0.40	189	17.00	0.29	0.21	0.00	0.20	0.00	0
6/3/2020	75	10.00	0.28	0.40	189	22.00	28.03	0.35	0.44	0.40	0.00	28.47
9/1/2020	90	12.00	0.39	0.32	189	11.00	16.82	0.34	0.51	0.36	0.00	45.81
12/7/2020	97	5.30	0.16	0.15	186	8.65	14.03	0.28	0.45	0.235	0.00	60.28
12/24/2020	17	5.30	0.16	0.15	186	5.30	1.51	0.16	0.05	0.150	0.00	61.84
SVE Temporarily Shut Down												
3/18/2021	1	0.00	0.022	0.00	186	0.00	0.00	0.01	0.00	0.000	0.00	61.84
3/31/2021	13	0.00	0.022	0.00	186	0.00	0.00	0.02	0.00	0.00	0.00	61.84
6/30/2021	91	0.20	0.0063	0.0066	21.8	0.10	0.02	0.01	0.00	0.00	0.00	61.86
9/28/2021	90	1.00	0.0470	0.0440	20.07	0.60	0.10	0.03	0.00	0.03	0.00	61.96
12/20/2021	83	0.00	0.0000	0.0000	7.20	0.50	0.03	0.02	0.00	0.02	0.00	61.99

**Notes:**

PCE = Tetrachloroethylene

TCE = Trichloroethylene

Cis-1,2-DCE = cis-1,2-dichloroethylene

cfm = cubic feet per minute

ave. = average

lbs = pounds

mg/m<sup>3</sup> = milligrams per cubic meter

SVE system was shut down between 12/24/2020 and 3/18/2021



**Table 5: Well Monitoring Schedule**  
Stanton Cleaners - NYSDEC # 130072  
110 Cutter Mill Road, Great Neck, NY

Well ID	Monthly Gauging	Semi-Annual Sampling
EPA-MW-9A	X	X
EPA-MW-11D	X	X
EPA-MW-21R	X	X
EPA-MW-23	X	X
EPA-MW-26	X	X
EPA-MW-27	X	X
ST-MW-11	X	X
ST-MW-12	X	X
ST-MW-13	X	X
ST-MW-14	X	X
ST-MW-15	X	X
ST-MW-16	X	X
ST-MW-17	X	X
ST-MW-18	X	X
ST-MW-19	X	X
ST-MW-20	X	X

Note: Semi-annual sampling conducted in January and July



Table 6  
Long Island Hebrew Acedemy Indoor Air Quality Analytical Results  
110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA, NY  
HRP# DEC1003.OM

Lab Report No.: Sample Name: ID: Date Collected:						
		LIHA-IA1	LIHA-IA1 dup	LIHA-IA2	LIHA-IA3	LIHA-OA1
		LIHA - IA1	Duplicate	LIHA - IA - 2	LIHA - IA - 3	LIHA - OA1
		21 Dec 2021	21 Dec 2021	21 Dec 2021	21 Dec 2021	21 Dec 2021
	Units					
VOC						
1,2,4-Trimethylbenzene	ug/m3	0.45	0.37	0.37	0.63	0.37
1,3,5-Trimethylbenzene	ug/m3	< 0.17	< 0.17	< 0.17	0.18	< 0.17
2-Propanol (Isopropyl alcohol)	ug/m3	4.2	4.3	4.8	23	< 3.4
Acetone	ug/m3	9.5	13	9.5	14	7.3
Benzene	ug/m3	1.6	0.84	0.83	0.83	0.93
Bromochloromethane	ug/m3	8	8	8	8	8
Carbon tetrachloride	ug/m3	0.46	0.4	0.43	0.43	0.45
Chloroform	ug/m3	0.24	0.17	0.26	0.37	< 0.17
Chloromethane	ug/m3	1.2	1	1	1.1	0.91
Cyclohexane	ug/m3	< 0.12	0.17	< 0.12	0.21	0.2
Dichlorodifluoromethane	ug/m3	2.2	2.1	2.2	2	2.1
Ethanol	ug/m3	830	870	1,100	1,800	16
Ethyl acetate	ug/m3	< 1.3	< 1.3	< 1.3	1.3	< 1.3
Ethylbenzene	ug/m3	0.31	0.28	0.25	0.33	0.29
m/p-Xylenes	ug/m3	0.86	0.83	0.79	0.99	0.87
Methyl isobutyl ketone (MIBK)	ug/m3	< 0.14	0.16	< 0.14	< 0.14	< 0.14
o-Xylene	ug/m3	0.37	0.35	0.32	0.43	0.35
Styrene	ug/m3	0.15	< 0.15	< 0.15	0.21	< 0.15
Tetrachloroethylene	ug/m3	0.64	0.32	0.36	0.37	0.3
Tetrahydrofuran	ug/m3	1.3	< 1	< 1	1.3	< 1
Toluene	ug/m3	1.5	1.5	1.5	1.6	2.3
Trichlorofluoromethane	ug/m3	1.4	1.2	1.3	1.2	1.2





# APPENDIX A

## Daily Operation and Maintenance Reports



## Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21



NEW YORK STATE  
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Environmental  
Conservation  
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# DAILY INSPECTION REPORT

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**Report No. (Site Name) - NYSDEC Site No. 130072**

Date: 10/25/21

[illegible][illegible]

\*On-Site scale for off-site shipment, delivery ticket for material received

**Equipment/Material Tracking Comments:**



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			



# DAILY INSPECTION REPORT

Page 4 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

**Include (insert) figures with markups showing location of work and job progress**



# DAILY INSPECTION REPORT

Page 5 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

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# DAILY INSPECTION REPORT

Page 6 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

Site Photographs (Descriptions Below)	



# DAILY INSPECTION REPORT

Page 7 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

<b>Comments</b>	
<b>Site Inspector(s):</b>	<b>Date:</b>



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

**REMEDIAL ACTIVITIES AT PROPERTIES**

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If Yes to <u>any</u> of 1-4 above: <ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		



# DAILY INSPECTION REPORT

Report No. \_\_\_\_\_ (Site Name) - NYSDEC Site No. 130072

Date: 10/25/21

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were there any odors detected on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Was noise outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were vibration readings outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible dust observed beyond the work perimeter on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was turbidity checked at the Montauk Highway outfall?	AM <input type="checkbox"/>	PM <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was the temporary fabric structure closed at the end of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
If yes, has Contractor been notified?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<u>Comments:</u>			



# DAILY INSPECTION REPORT

Page 1 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

[illegible]



# DAILY INSPECTION REPORT

**Report No. (Site Name) - NYSDEC Site No. 130072**

Date: 10/26/21

[illegible][illegible]

\*On-Site scale for off-site shipment, delivery ticket for material received

**Equipment/Material Tracking Comments:**



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			





# DAILY INSPECTION REPORT

Page 4 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

**Include (insert) figures with markups showing location of work and job progress**



# DAILY INSPECTION REPORT

Page 5 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

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Department of  
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# DAILY INSPECTION REPORT

Page 6 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

Site Photographs (Descriptions Below)	



## DAILY INSPECTION REPORT

Page 7 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

Comments	
Site Inspector(s):	Date:



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

**REMEDIAL ACTIVITIES AT PROPERTIES**

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If Yes to <u>any</u> of 1-4 above: <ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		



# DAILY INSPECTION REPORT

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 10/26/21

## NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were there any odors detected on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Was noise outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were vibration readings outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible dust observed beyond the work perimeter on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was turbidity checked at the Montauk Highway outfall?	AM <input type="checkbox"/>	PM <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was the temporary fabric structure closed at the end of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
If yes, has Contractor been notified?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<u>Comments:</u>			



# DAILY INSPECTION REPORT

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Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

[illegible]







**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			





# DAILY INSPECTION REPORT

Page 4 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

**Include (insert) figures with markups showing location of work and job progress**



# DAILY INSPECTION REPORT

Page 5 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

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# DAILY INSPECTION REPORT

Page 6 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

Site Photographs (Descriptions Below)	



## DAILY INSPECTION REPORT

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Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

Comments	
Site Inspector(s):	Date:



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

**REMEDIAL ACTIVITIES AT PROPERTIES**

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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<u>Comments:</u>		



# DAILY INSPECTION REPORT

Report No. \_\_\_\_\_ (Site Name) - NYSDEC Site No. 130072

Date: 11/23/21

## NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were there any odors detected on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Was noise outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were vibration readings outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible dust observed beyond the work perimeter on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was turbidity checked at the Montauk Highway outfall?	AM <input type="checkbox"/>	PM <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was the temporary fabric structure closed at the end of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
If yes, has Contractor been notified?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<u>Comments:</u>			



## Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21



NEW YORK STATE  
Department of  
Environmental  
Conservation  
50



# DAILY INSPECTION REPORT

Page 2 of 9

**Report No. (Site Name) - NYSDEC Site No. 130072**

Date: 12/20/21

[illegible][illegible]

\*On-Site scale for off-site shipment, delivery ticket for material received

**Equipment/Material Tracking Comments:**



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Issues Pending			
Interaction with Public, Property Owners, Media, etc.			



# DAILY INSPECTION REPORT

Page 4 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

**Include (insert) figures with markups showing location of work and job progress**



# DAILY INSPECTION REPORT

Page 5 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

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Department of  
Environmental  
Conservation





# DAILY INSPECTION REPORT

Page 6 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

Site Photographs (Descriptions Below)	



## DAILY INSPECTION REPORT

Page 7 of 9

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

<b>Comments</b>	
<b>Site Inspector(s):</b>	<b>Date:</b>



**DAILY INSPECTION REPORT**

Report No. (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Is the tail gate safety meeting held outdoors?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Were personal protective gloves, masks, and eye protection being used?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Are sanitizing wipes, wash stations or spray available?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<u>Comments:</u>		

**REMEDIAL ACTIVITIES AT PROPERTIES**

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If Yes to <u>any</u> of 1-4 above: <ul style="list-style-type: none"> <li>If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry.</li> <li>If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.</li> </ul>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<u>Comments:</u>		



# DAILY INSPECTION REPORT

Report No. \_\_\_\_\_ (Site Name) - NYSDEC Site No. 130072

Date: 12/20/21

# NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were there any odors detected on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Was noise outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Were vibration readings outside specification and/or above background on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible dust observed beyond the work perimeter on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was turbidity checked at the Montauk Highway outfall?	AM <input type="checkbox"/>	PM <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Was the temporary fabric structure closed at the end of the day?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
If yes, has Contractor been notified?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
<u>Comments:</u>			



# APPENDIX B

## Groundwater Extraction and Treatment System Operation and Maintenance Reports



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log

Date: 10-25-21  
HRP #: DEC 10030M  
Field Personnel: OSA

Pump	Flow (GPM)	Valve Open	Data from Computer Screen System:
<u>RW-2</u>	<u>166</u>	<u>100%</u>	
Total Gallons Treated	<u>633488652</u>		
Discharge Rate	<u>293</u>		
Discharge Conductivity	<u>7.97</u>		
Discharge pH	<u>5.6</u>		
SVE Air Flow Rate (CFM)	<u>12</u>		

Visual Digital Readouts from Catwalk	
Discharge pH	<u>4.68</u>
Discharge Temperature	<u>22°C</u>
Discharge Conductivity	<u>1.22</u>

Flow Meter Reading	
Flow Rate (GPM)	<u>56</u>
Total Gallons	<u>855447.1</u>

meter display in 100 of gallons

Effluent Flow Meter Reading	
Flow Rate	<u>2490</u>
Total Gallons (GPH)	<u>96056681</u>

Weather:

Notes:

used YSI 556 pH 6.61, 16.23°C conductivity 829 Effluent



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log

Date: 11-23-21

HRP #: DEL 10030m

Field Personnel: Dave Adam

Pump	Flow (GPM)	Valve Open	Data from Computer Screen System:
	166	100%	
Total Gallons Treated	640361395		
Discharge Rate	293		
Discharge Conductivity	7.96		
Discharge pH	5.6		
SVE Air Flow Rate (CFM)	38		

Visual Digital Readouts from Catwalk	
Discharge pH	4.76
Discharge Temperature	17°C
Discharge Conductivity	1.15

Flow Meter Reading	
Flow Rate (GPM)	56
Total Gallons	8640711

meter display in 100 of gallons

Effluent Flow Meter Reading	
Flow Rate	2499
Total Gallons (GPH)	2929691.0

Weather: Sunny 34°F

Notes: Used YSI 650 to check conductivity and pH conductivity, 623, pH 7.33 at 16:2  
Sampled effluent at 8:22am at EPA-EXT-02 at 8:25A



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Operations and Maintenance Data Log

Date: 12-26-21

HRP #: DEC 1003.0M

Field Personnel: DJR, KG

Pump	Flow (GPM)	Valve Open	Data from Computer Screen System:
RW-2	166	100%	
Total Gallons Treated	646845100		
Discharge Rate	293		
Discharge Conductivity	7.84		
Discharge pH	5.6		
SVE Air Flow Rate (CFM)	38		

Visual Digital Readouts from Catwalk	
Discharge pH	4.80
Discharge Temperature	19
Discharge Conductivity	1.19

Flow Meter Reading	
Flow Rate (GPM)	56
Total Gallons	3,048,630.0

meter display in 100 of gallons

Effluent Flow Meter Reading	
Flow Rate	2498
Total Gallons (GPH)	642293.8

Weather: Sunny 22°F

Notes: Used YSI 650 to check conductivity and pH of Effluent  
pH 6.16 cond 721 temp 8.60°C



# APPENDIX C

## Soil Vapor Extraction System Operation and Maintenance Reports



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 10-25-21

HRP #:

	Pipe ID	FID	MultiRae					VelociCalc				
		VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		9.6	0	20.9	0	0.0	77.4	16.0	56.8	59.8	23.72
Post-Blower Pre-Carbon*	5.706		16.2	0	20.2	0	0.0	82.3	0.90	68.6	64.9	76.46
EPA-SVE-1 (shallow)	1.913											
EPA-SVE-1 (medium)	1.913											
EPA-SVE-2 (shallow)	1.913											
EPA-SVE-2 (medium)	1.913											
SS-A	1.913											
SVE-3A	1.913											
SVE-3B	1.913		6.0	0	20.9	0	0.0	75.4	0.8	53.2	60.1	0.0
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0.0	76.4	10.0	52.9	60.0	86.74
hSVE-1			33.8	0	20.9	0	0.0	78.5	10.5	54.8	60.8	53.70
hSVE-2			41.6	0	20.9	0	0.0	78.4	13.0	60.8	61.3	3.47
Background	N/A		0.0	0	20.9	0	0.0	72		64.4	61.4	

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1 combined	off	off
SVE-2 combined	open	open
SVE-3	off	off
SVE-4	off	off
EPA-SVE-04R/SSB(A)	off	off
SS-A	off	off
SS-B(B)	ON 25% open	
SS-B(C)	off	
L1	off	
L2	off	
hSVE-1	ON 100%	
hSVE-2	ON 100%	

Equipment Calibrated by: DSA

Air Readings Collected by: DSA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"

34.0" SVE Blower  
0.0 ppm PID SVE Effluent



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 11-23-21  
HRP #: DEC 1003.0m

	Pipe ID	FID	MultiRae					VelociCalc				
		VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709		2.2	0	20.9	0	0	51.6	19	44.0	30.2	7.20
Post-Blower Pre-Carbon*	5.706		10.1	0	20.9	0	0	56.6	0.945 in	55.1	23.2	88.45
EPA-SVE-1 (shallow)	1.913											
EPA-SVE-1 (medium)	1.913											
EPA-SVE-2 (shallow)	1.913											
EPA-SVE-2 (medium)	1.913											
SS-A	1.913											
SVE-3A	1.913											
SVE-3B	1.913		0.0	0	20.9	0	0	39.2	0.5	59	25.5	0.0
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.0	0	20.9	0	0	40.3	12	50.5	24.4	87.96
hSVE-1			10.3	0	20.9	0	0	37.3	13.0	54.9	21.5	43.36
hSVE-2			14.4	0	20.9	0	0	35.2	16.0	58.4	21.1	5.09
Background	N/A		0.0	0	20.9	0	0	34		59.5	20.6	

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1 Combined	closed	closed
SVE-2 Combined	open	open
SVE-3 A	closed	closed
SVE-4 B	25% open	25% open
EPA-SVE-U4R/SSB(A)		
SS-A	closed	closed
SS-B(D)		
SS-B(E)		
LI		
LI		
hSVE-1	open	open
hSVE-2	open	open

34" at blower  
0.0 ppm after carbon

Equipment Calibrated by: OJA

Air Readings Collected by: OJA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"



Stanton Cleaners Area Superfund Site  
Soil Vapor Extraction System  
Monthly Air Monitoring Log

Date: 12-20-21  
HRP #: DEC 1003 04

	Pipe ID	FID	MultiRae					VelociCalc				
		VOC	VOC	CO	Oxygen	LEL	H2S	Temp.	Vac. Pres.	%RH	Dew Pt.	Flow
SVE-Influent	5.709											
Post-Blower Pre-Carbon*	5.706											
EPA-SVE-1 (shallow)	1.913											
EPA-SVE-1 (medium)	1.913											
EPA-SVE-2 (shallow)	1.913											
EPA-SVE-2 (medium)	1.913											
SS-A	1.913											
SVE-3A	1.913											
SVE-3B	1.913											
SVE-1 Combined	1.913											
SVE-2 Combined	1.913		0.1	0	20.9	0	0	42.1	12	33.3	16.4	69.72
hSVE-1			16.6	0	20.9	0	0	43.0	13	25.4	14.3	46.56
hSVE-2			3.4	0	20.9	0	0	42.7	16	27.6	17.8	3.37
Background	N/A		0.0	0	20.9	0	0	29.0		48	12	

	On/Off Prior to Monitoring Date	On/Off After Monitoring Date
SVE-1	closed	closed
SVE-2	open 25%	open 25%
SVE-3	closed	closed
SVE-4		
EPA-SVE-04R/SSB(A)		
SS-A		
SS-B(B)		
SS-B(C)		
L1		
L2		
hSVE-1	open	open
hSVE-2	open	open

36" at blower  
0.0 pid after carbon

Sample Influent 11:05A - 11:35A 29.5 - 2"  
" Effluent 11:00A - 11:30A 30" - 3"

Equipment Calibrated by:

OJA

Air Readings Collected by:

OJA

FID - Flame Ionization Detector  
CO - Carbon Monoxide  
LEL - Lower Explosive Limit  
VOC - Volatile Organic Compounds  
H2S - Hydrogen Sulfide

Temperature - degrees F  
Vacuum Pressure - inches/H2O  
%RH - Relative Humidity  
Dew Point - degrees F  
Flow - cubic feet per minute (CFM)

\*SVE-Effluent relabeled as "Post-Blower Pre-Carbon"



# APPENDIX D

## Monthly Groundwater Level Measurements



**Stanton Cleaners Area Superfund Site  
Water Level Data Summary**

**Site:** Stanton Cleaners Area Superfund Site

**Date:** 10/25/21

**Location:** 110 Cutter Mill Road, Great Neck, NY

**Project #:** DEC/0030M

**Field Personnel:**

Well ID	Depth to Water (feet)	Time	Notes
EPA-MW-11D	55.68	2:27	no bolts
EPA-MW-21R	64.26	2:14	no bolts
EPA-MW-23	62.29	2:11	no bolts
EPA-MW-26	57.37	2:48	no bolts
EPA-MW-27	49.22	2:19	no bolts
EPA-MW-9A	61.24	2:25	HW lid missing. No HW skirt. Needs Repair
ST-MW-11	56.75	2:29	no bolts
ST-MW-12	68.79	2:33	no bolts
ST-MW-13	84.49	2:43	no bolts
ST-MW-14	49.36	2:17	Bolt tabs broken. LHA said cover keeps coming off. Needs Repair
ST-MW-15	71.67	2:40	no bolts
ST-MW-16	52.87	2:51	bolt tabs broken
ST-MW-17	67.87	2:32	no bolts
ST-MW-18	64.90	2:36	No HW rim Needs Repair
ST-MW-19	64.31	2:22	no bolts
ST-MW-20	64.42	2:31	no bolts



**Stanton Cleaners Area Superfund Site**  
**Water Level Data Summary**

**Site:** Stanton Cleaners Area Superfund Site

**Date:** 11/23/21

**Location:** 110 Cutter Mill Road, Great Neck, NY

**Project #:** DEC10030m

**Field Personnel:** Keith Gandarillas

Well ID	Depth to Water (feet)	Time	Notes
EPA-MW-11D	54.03	7:05	no bolts
EPA-MW-21R	64.02	6:55	BHS, 1 bolt tab broken
EPA-MW-23	61.16	6:53	BHS
EPA-MW-26	56.42	7:28	no bolts
EPA-MW-27	47.89	6:58	no bolts
EPA-MW-9A	59.82	7:03	needs repair, no HW lid or rim
ST-MW-11	55.10	7:06	no bolts
ST-MW-12	67.18	7:12	no bolts
ST-MW-13	83.35	7:23	no bolts
ST-MW-14	47.20	6:59	needs repair, bolt tabs broken
ST-MW-15	70.28	7:19	no bolts
ST-MW-16	52.52	7:30	bolt tabs broken
ST-MW-17	66.40	7:11	no bolts
ST-MW-18	62.74	7:15	needs repair, no HW rim
ST-MW-19	64.11	7:02	no bolts
ST-MW-20	62.32	7:10	no bolts



# APPENDIX E

## Fire Safety Reports



Fire Safety Inspection Log  
Stanton Dry Cleaners Site  
NYSDEC Site No. 130072  
110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items			
Item	Description	Result	
1	Exit signs internally or externally illuminated	Yes	No
2	Smoke alarms tested and functioning	Yes	No
3	Water leaks/water damage observed inside building	Yes	No
4	Fire extinguishers within expiration or inspected annually	Yes	No
5	All fire extinguishers present	Yes	No
6	Electrical Breaker Panel Issues	Yes	No
7	Covers present on all junction boxes, electrical switches, and outlets	Yes	No
8	Any evidence of pests present inside building (rodents, insects, etc.)	Yes	No
9	Emergency lighting tested and functioning	Yes	No

Periodic System Testing and Inspection				
Item	Description	Frequency	Date Last Performed	Date Due
10	Sprinkler system testing	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual		
13	Emergency Lighting Testing	Monthly	10-26-21	

Inspected By: Keith Gandarillas  
Inspection Date: 10/26/21

Other Items Noted:



Fire Safety Inspection Log  
Stanton Dry Cleaners Site  
NYSDEC Site No. 130072  
110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items			
Item	Description	Result	
1	Exit signs internally or externally illuminated	Yes	No
2	Smoke alarms tested and functioning	Yes	No
3	Water leaks/water damage observed inside building	Yes	No
4	Fire extinguishers within expiration or inspected annually	Yes	No
5	All fire extinguishers present	Yes	No
6	Electrical Breaker Panel Issues	Yes	No
7	Covers present on all junction boxes, electrical switches, and outlets	Yes	No
8	Any evidence of pests present inside building (rodents, insects, etc.)	Yes	No
9	Emergency lighting tested and functioning	Yes	No

Periodic System Testing and Inspection				
Item	Description	Frequency	Date Last Performed	Date Due
10	Sprinkler system testing	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual		
13	Emergency Lighting Testing	Monthly		

Inspected By: Keith Gandarillas  
Inspection Date: 11-23-21

Other Items Noted:



Fire Safety Inspection Log  
Stanton Dry Cleaners Site  
NYSDEC Site No. 130072  
110 Cutter Mill Road, Great Neck, NY

Monthly Fire Safety Inspection Items			
Item	Description	Result	
		Yes	No
1	Exit signs internally or externally illuminated	Yes	No
2	Smoke alarms tested and functioning	Yes	No
3	Water leaks/water damage observed inside building	Yes	No
4	Fire extinguishers within expiration or inspected annually	Yes	No
5	All fire extinguishers present	Yes	No
6	Electrical Breaker Panel Issues	Yes	No
7	Covers present on all junction boxes, electrical switches, and outlets	Yes	No
8	Any evidence of pests present inside building (rodents, insects, etc.)	Yes	No
9	Emergency lighting tested and functioning	Yes	No

Periodic System Testing and Inspection				
Item	Description	Frequency	Date Last Performed	Date Due
10	Sprinkler system testing	Annual		
11	Battery powered emergency lighting tested	Annual		
12	Fire Extinguishers annual inspection	Annual		
13	Emergency Lighting Testing	Monthly		

Inspected By: *Dave Adan*

Inspection Date: *~~12/20/21~~ 12-20-21*

Other Items Noted:



# APPENDIX F

## Indoor Air Quality Monitoring- Structure Sampling Questionnaire and Building Inventory





# Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: \_\_\_\_\_ Site Code: \_\_\_\_\_ Operable Unit: \_\_\_\_\_

Building Code: \_\_\_\_\_ Building Name: \_\_\_\_\_

Address: \_\_\_\_\_ Apt/Suite No: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_

## Contact Information

Preparer's Name: \_\_\_\_\_ Phone No: \_\_\_\_\_

Preparer's Affiliation: \_\_\_\_\_ Company Code: \_\_\_\_\_

Purpose of Investigation: \_\_\_\_\_ Date of Inspection: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Affiliation:

Phone No: \_\_\_\_\_ Alt. Phone No: \_\_\_\_\_ Email: \_\_\_\_\_

Number of Occupants (total): \_\_\_\_\_ Number of Children: \_\_\_\_\_

☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): \_\_\_\_\_ Owner Phone: \_\_\_\_\_

Owner Mailing Address: \_\_\_\_\_

## Building Details

Bldg Type (Res/Com/Ind/Mixed):  Bldg Size (S/M/L):

If Commercial or Industrial Facility, Select Operations:

If Residential Select Structure Type:

Number of Floors: \_\_\_\_\_ Approx. Year Construction: \_\_\_\_\_ ☐ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

## Foundation Description

Foundation Type:  Foundation Depth (bgs): \_\_\_\_\_ Unit:

Foundation Floor Material:  Foundation Floor Thickness: \_\_\_\_\_ Unit:

Foundation Wall Material:  Foundation Wall Thickness: \_\_\_\_\_

☐ Floor penetrations? Describe Floor Penetrations: \_\_\_\_\_

☐ Wall penetrations? Describe Wall Penetrations: \_\_\_\_\_

Basement is:  Basement is:  ☐ Sumps/Drains? Water In Sump?:

Describe Foundation Condition (cracks, seepage, etc.) : \_\_\_\_\_

☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

## Heating/Cooling/Ventilation Systems

Heating System:  Heat Fuel Type:  ☐ Central A/C Present?

## Vented Appliances

Water Heater Fuel Type:  Clothes Dryer Fuel Type:

Water Htr Vent Location:  Dryer Vent Location:





# Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

## PRODUCT INVENTORY

Building Name: \_\_\_\_\_ Bldg Code: \_\_\_\_\_ Date: \_\_\_\_\_

Bldg Address: \_\_\_\_\_ Apt/Suite No: \_\_\_\_\_

Bldg City/State/Zip: \_\_\_\_\_

Make and Model of PID: \_\_\_\_\_ Date of Calibration: \_\_\_\_\_

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
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						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

\* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

\*\* Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Were there any elevated PID readings taken on site? ☐ ☐ Products with COC?





# Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: \_\_\_\_\_ Site Code: \_\_\_\_\_ Operable Unit: \_\_\_\_\_

Building Code: \_\_\_\_\_ Building Name: \_\_\_\_\_

Address: \_\_\_\_\_ Apt/Suite No: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: \_\_\_\_\_

## Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?:  Floor Material:

☐ Inhabited? ☐ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source:  ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: \_\_\_\_\_

☐ Cleaning Products Used Recently?: Description of Cleaning Products: \_\_\_\_\_

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: \_\_\_\_\_

☐ New Carpet or Furniture? Location of New Carpet/Furniture: \_\_\_\_\_

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: \_\_\_\_\_

☐ Recent Painting/Staining? Location of New Painting: \_\_\_\_\_

☐ Solvent or Chemical Odors? Describe Odors (if any): \_\_\_\_\_

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: \_\_\_\_\_

☐ Recent Pesticide/Rodenticide? Description of Last Use: \_\_\_\_\_

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

☐ Any Prior Testing For Radon? If So, When?: \_\_\_\_\_

☐ Any Prior Testing For VOCs? If So, When?: \_\_\_\_\_

## Sampling Conditions

Weather Conditions:  Outdoor Temperature:  °F

Current Building Use:  Barometric Pressure:  in(hg)

Product Inventory Complete?  ☐ Building Questionnaire Completed?





# Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: \_\_\_\_\_ Address: \_\_\_\_\_

## Sampling Information

Sampler Name(s): \_\_\_\_\_ Sampler Company Code: \_\_\_\_\_

Sample Collection Date:  Date Samples Sent To Lab: \_\_\_\_\_

Sample Chain of Custody Number: \_\_\_\_\_ Outdoor Air Sample Location ID: \_\_\_\_\_

## SUMMA Canister Information

Sample ID:

Location Code:

Location Type:

Canister ID:

Regulator ID:

Matrix:

Sampling Method:

## Sampling Area Info

Slab Thickness (inches):

Sub-Slab Material:

Sub-Slab Moisture:

Seal Type:

Seal Adequate?: ☐ ☐ ☐ ☐ ☐

## Sample Times and Vacuum Readings

Sample Start Date/Time:

Vacuum Gauge Start:

Sample End Date/Time:

Vacuum Gauge End:

Sample Duration (hrs):

Vacuum Gauge Unit:

## Sample QA/QC Readings

Vapor Port Purge: ☐ ☐ ☐ ☐ ☐

Purge PID Reading:

Purge PID Unit:

Tracer Test Pass: ☐ ☐ ☐ ☐ ☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

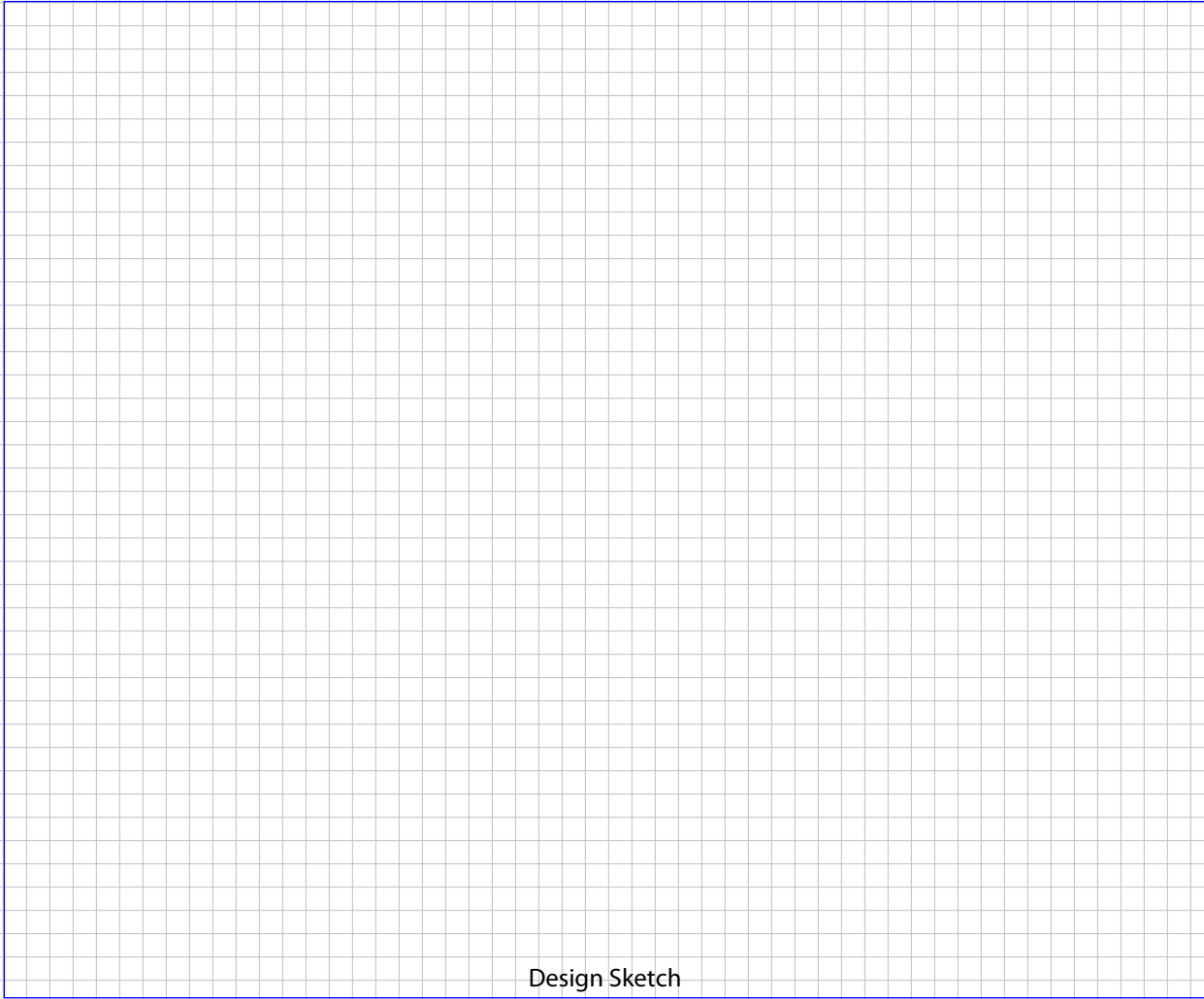




Structure Sampling Questionnaire and Building Inventory  
New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .  
The sketch should be in a standard image format (.jpg, .png, .tiff)



Design Sketch

Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
  - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
  - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
  - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- |               |                   |          |  |
|---------------|-------------------|----------|--|
| <b>B or F</b> | Boiler or Furnace | o        | Other floor or wall penetrations (label appropriately)               |
| <b>HW</b>     | Hot Water Heater  | xxxxxxx  | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| <b>FP</b>     | Fireplaces        | #####    | Areas of broken-up concrete  |
| <b>WS</b>     | Wood Stoves       | ● SS-1   | Location & label of sub-slab samples                                 |
| <b>W/D</b>    | Washer / Dryer    | ● IA-1   | Location & label of indoor air samples                               |
| <b>S</b>      | Sumps             | ● OA-1   | Location & label of outdoor air samples                              |
| <b>@</b>      | Floor Drains      | ● PFET-1 | Location and label of any pressure field test holes.                 |

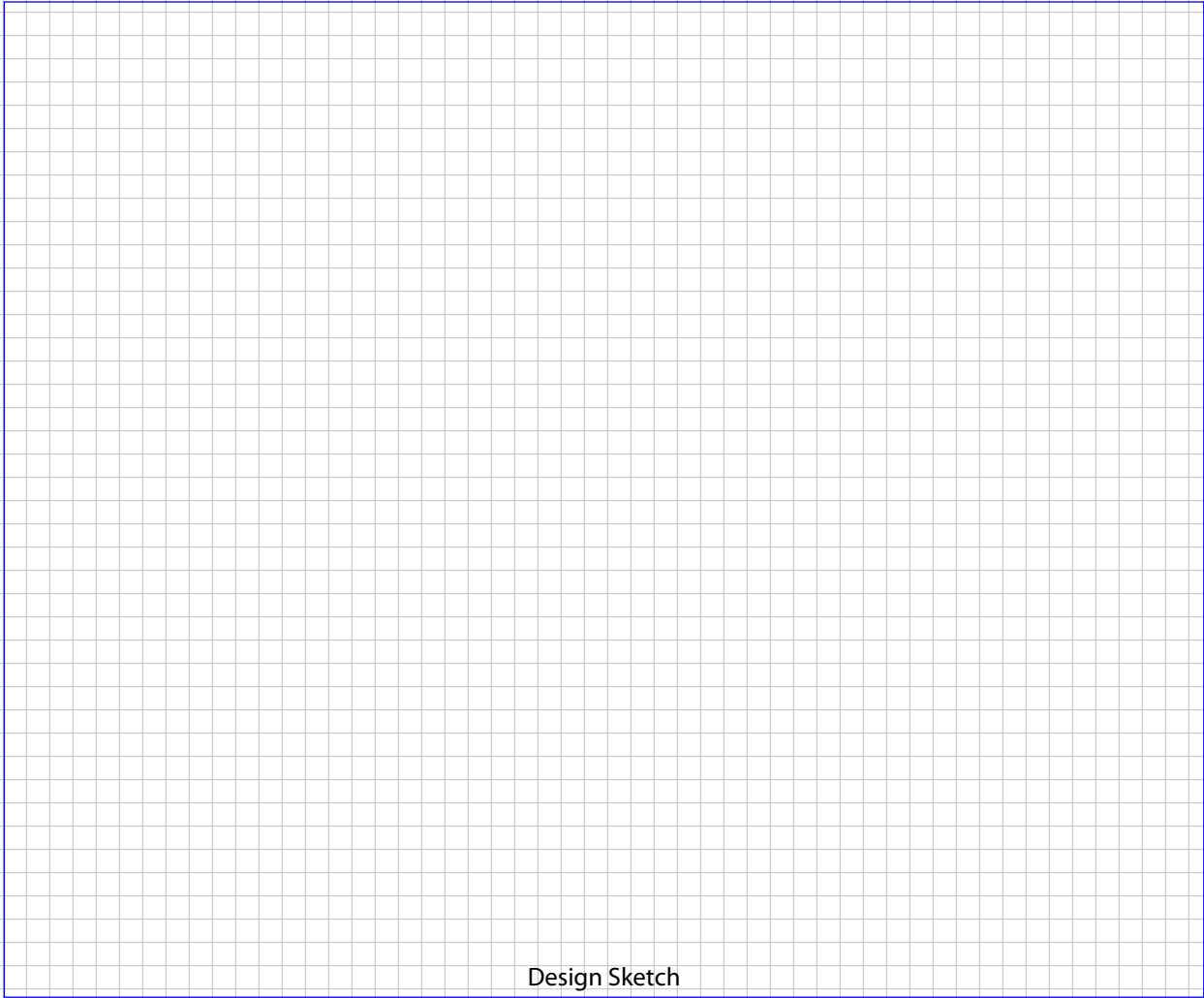




Structure Sampling Questionnaire and Building Inventory  
New York State Department of Environmental Conservation

FIRST FLOOR BUILDING LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the first floor of the building.  
The sketch should be in a standard image format (.jpg, .png, .tiff)



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
  - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
  - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
  - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- |               |                   |          |  |
|---------------|-------------------|----------|--|
| <b>B or F</b> | Boiler or Furnace | o        | Other floor or wall penetrations (label appropriately)               |
| <b>HW</b>     | Hot Water Heater  | xxxxxxx  | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| <b>FP</b>     | Fireplaces        | #####    | Areas of broken-up concrete  |
| <b>WS</b>     | Wood Stoves       | ● SS-1   | Location & label of sub-slab samples                                 |
| <b>W/D</b>    | Washer / Dryer    | ● IA-1   | Location & label of indoor air samples                               |
| <b>S</b>      | Sumps             | ● OA-1   | Location & label of outdoor air samples                              |
| <b>@</b>      | Floor Drains      | ● PFET-1 | Location and label of any pressure field test holes.                 |

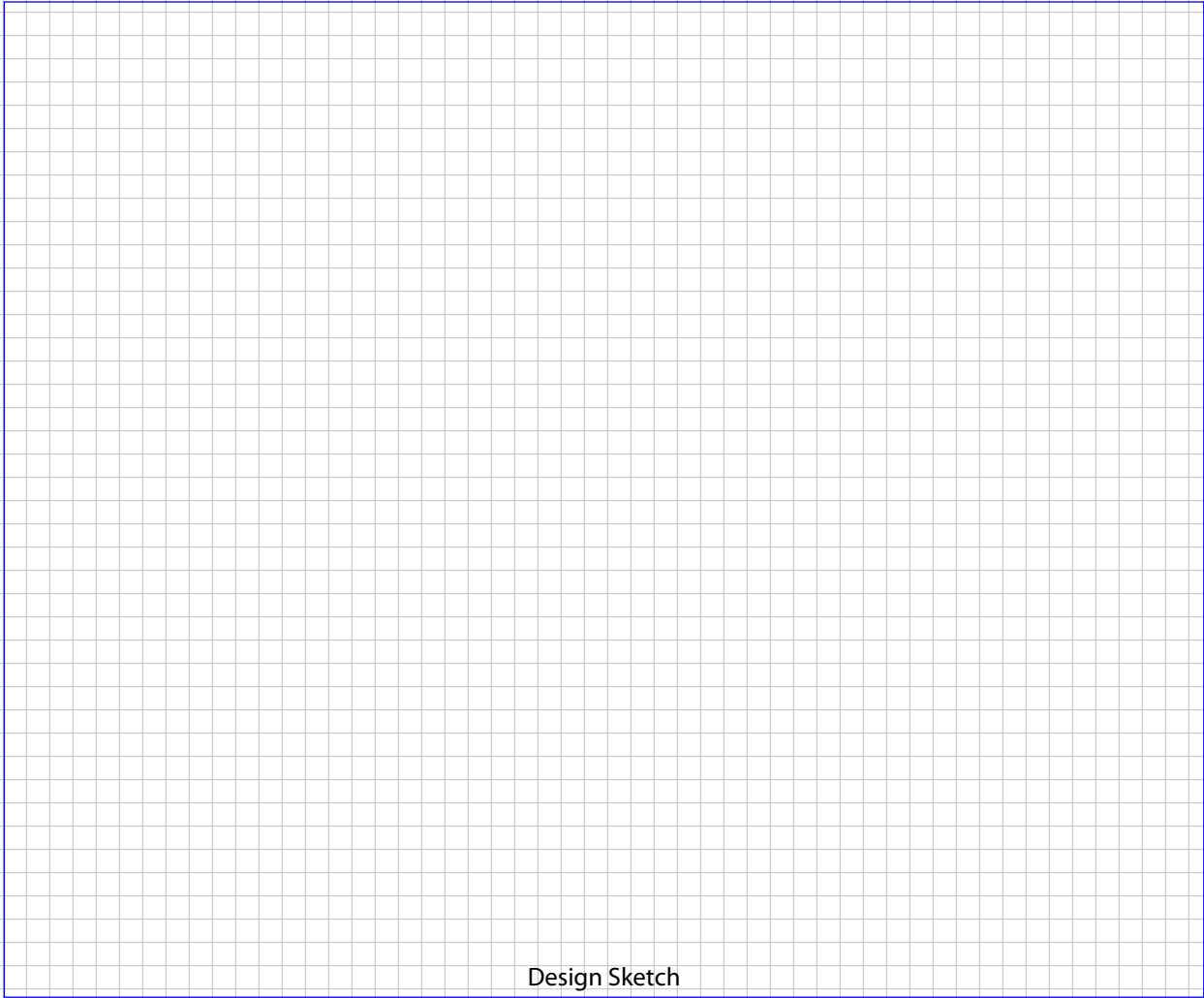




Structure Sampling Questionnaire and Building Inventory  
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
  - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
  - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
  - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- |               |                   |          |  |
|---------------|-------------------|----------|--|
| <b>B or F</b> | Boiler or Furnace | o        | Other floor or wall penetrations (label appropriately)               |
| <b>HW</b>     | Hot Water Heater  | xxxxxxx  | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| <b>FP</b>     | Fireplaces        | #####    | Areas of broken-up concrete  |
| <b>WS</b>     | Wood Stoves       | ● SS-1   | Location & label of sub-slab samples                                 |
| <b>W/D</b>    | Washer / Dryer    | ● IA-1   | Location & label of indoor air samples                               |
| <b>S</b>      | Sumps             | ● OA-1   | Location & label of outdoor air samples                              |
| <b>@</b>      | Floor Drains      | ● PFET-1 | Location and label of any pressure field test holes.                 |