MOVE YOUR ENVIRONMENT FORWARD

QUARTERLY OPERATION AND MAINTENANCE REPORT – THIRD QUARTER 2020

Stanton Cleaners Area Superfund Site
110 Cutter Mill Road
Great Neck, New York 110211

NYDEC Site No. 130072

Prepared For:

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

Prepared By:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

HRP #: DEC1003.OM

Issued On: January 15, 2021

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 2

2.1 Site Location and Current Use 2
2.2 Remedial History 2
2.3 Site Cleanup Objectives 3

3.0 OPERATIONS AND MAINTENANCE PROGRAM 4

3.1 Groundwater Extraction and Treatment System Operations and Maintenance 4
3.1.1 Groundwater Extraction and Treatment System Influent and Effluent Sampling 4
3.1.2 Groundwater Extraction and Treatment System Annual SPDES Sampling 5
3.2 Soil Vapor Extraction System Operations and Maintenance 5

4.0 MONITORING PROGRAM 7

4.1 Plume Perimeter Monitoring 7
4.2 Groundwater Sampling 7
4.3 Indoor Air Quality Sampling 7
4.4 Water Authority of Great Neck North Public Supply Well Monitoring 7

5.0 MAINTENANCE ISSUES AND RECOMMENDED SOLUTIONS 8

6.0 FUTURE ACTIVITIES 9

7.0 PROGRESS TOWARD CLEANUP OBJECTIVES 10

Figures

Figure 1 Site Location Map
Figure 2 Site Layout
Figure 3 Monitoring Well Network

Tables

Table 1 Groundwater Extraction and Treatment System - Summary of VOC Mass Removal
Table 2 Groundwater Extraction and Treatment System – Influent and Effluent Analytical Results
Table 3 Soil Vapor Extraction System – Influent and Effluent Analytical Results
Table 4 SVE System – Summary of VOC Mass Removal
Table 5 Well Monitoring Schedule
Table 6 Semiannual Groundwater Monitoring – Summary of Analytical Results
Table 7 Annual SPDES Sampling – Summary of Analytical Results

Appendices

Appendix A Daily Operation and Maintenance Reports
Appendix B Groundwater Extraction and Treatment System Operation and Maintenance Reports
Appendix C Soil Vapor Extraction System Operation and Maintenance Reports
Appendix D Monthly Groundwater Level Measurements

General Information

Project/Site Information:

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

Consultant Information:

HRP Associates, Inc.
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Phone: 518-877-7101
Fax: 518-877-8561
E-mail: david.feinson@hrpassociates.com
Project Number: DEC1003.OM

Client Information:

New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233

Report Date: 1/15/2021

Report Author:
Ali LeMay
Project Scientist

Project Manager:
David Feinson
Project Manager

1.0 INTRODUCTION

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 3rd quarter of 2020 (July through September 2020). 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

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.

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 showed 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 uses a compressor to provide sparge air to the screened interval in two (2) wells.

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

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 SPEDES Equivalency Parameters.

Environmental Assessment and Remediations (EAR) of Patchogue, New York has been contracted by NYSDEC to perform the monthly, quarterly, and annual sampling activities at the Site as well as the day-to-day O&M of the remediation systems. EAR 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**.

The continuous four-hour data logging software, Lookout®, was not functioning during the entirety of the 3rd quarter. When functioning, the Lookout® data is used 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 64 to 65 gallons per minute (GPM) and discharged a total of approximately 4,731,548 gallons during the 3rd quarter of 2020. Based on these recorded flow rates, monthly totalizer readings, and analysis of laboratory data for samples collected from EPA-EXT-02, approximately 0.28 pounds (lbs) of PCE have been removed in the liquid phase during the 3nd quarter of 2020. This totals 11.28 lbs of PCE removed in the liquid phase since NYSDEC assumed O&M responsibilities in 2013. The VOC mass removal for the 3rd quarter of 2020 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 Methods 8260.

PCE was detected in the three (3) influent samples at concentrations ranging from 3.9 micrograms per liter (µg/L) to 5.1 µg/L. The detection of PCE in the influent sample collected during the September event did exceed the NYSDEC GWQS of 5 µg/L. No VOCs were detected in the effluent

samples, except for chloromethane (1.2 µg/L) in the July sample and PCE (0.38 µg/L) in the September sample. The detection of PCE in the September effluent sample does not exceed the NYSDEC GWQS of 5 µg/L. There is not NYSDEC GWQS for chloromethane. The results of influent and effluent sampling during the 3rd quarter of 2020 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 completed during this quarter on September 19, 2020. Analytical results of SPDES sampling are summarized in **Table 7**. The system outfall in the storm water drain at the synagogue parking lot was sampled for SPDES equivalency.

The next annual sample is scheduled to be collected in the 3rd quarter of 2021.

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-VE-1 (medium)
- EPA-SVE-2 (shallow)
- EPA-SVE-2 (medium)
- SS-A
- SVE-3A
- SVE-3B
- SVE-1 Combined
- SVE-2 Combined
- Background

Monitoring of the SVE system occurred on July 6, 2020, August 5, 2020, and September 1, 2020. During the August monitoring event, the multi-gas meter failed, therefore, carbon monoxide, oxygen, lower explosive limit, and hydrogen sulfide were not measured at the monitoring locations. 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 September 1, 2020. Concentrations of cis-1,2-dichloroethene at 320 µg/m^3, ethanol at 910 µg/m^3, PCE at 12,000 µg/m^3, and TCE at 390 µg/m^3 were detected in the influent sample (SVE_INF). Concentrations of cis-1,2-dichloroethene at 400 µg/m^3, ethanol at 2,100 µg/m^3, methylene chloride at 35 µg/m^3, PCE at 39 µg/m^3, toluene at 11 µg/m^3, trans-1,2-dichloroethene at 4.2 µg/m^3, and TCE at 8.0 µg/m^3 were detected in the effluent sample (SVE_EFF). A summary of the SVE influent and effluent sample results is included in **Table 3**.

Flow measurements taken at the SVE-Influent were over the calibration range of the Velocicalc meter using the infield on July 7th, August 5th, and September 1st. The Velocicalc meter last recorded a flow rate of 189 cubic feet per minute (cfm) at the SVE-Influent on May 6, 2020. Using this flow rate and the average concentrations between the last two sampling events (June and September 2020) a mass removal was calculated for the period. Based on the data available, approximately 17.34 pounds of VOCs were removed by the SVE system during the 3rd quarter of 2020. The VOC mass removal for the 3rd quarter of 2020 is summarized on **Table 4**.

4.0 MONITORING PROGRAM

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; 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.

In July and August 2020, 15 of the 16 wells were gauged and in September 2020, 14 of the 16 wells were gauged. 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 conducted in August 2020. The next routine semi-annual groundwater sampling event is scheduled for the 1st quarter of 2021. **Table 5** summarizes the groundwater monitoring schedule. **Table 6** summarizes the August 2020 groundwater analysis results.

During the August 2020 semiannual groundwater sampling event, PCE was detected above the standard in the groundwater samples collected from two monitoring wells, EPA-MW-21R and ST-MW-19, at concentrations of 55 µg/l and 22 µg/l, respectively. EPA-MW-21R is located west of the Site and ST-MW-19 is located south of the Site, across Cutter Mill Road. PCE was also detected in EPA-MW-23, EPA-MW-26, ST-MW-11, ST-MW-14, ST-MW-16, and ST-MW-17 at concentrations below the regulatory standard.

Additional VOCs, including 1,1-dichloroethylene, bromodichloromethane, bromoform, chloroform, chloromethane, cis-1,2-dichloroethylene, dibromochloromethane, toluene, and trichloroethylene, were detected below the regulatory standard in groundwater samples collected from the other monitoring wells (EPA-MW-21R, ST-MW-13, ST-MW-14, and ST-MW-18).

4.3 Indoor Air Quality Sampling

Indoor air quality sampling was not conducted during this quarter. The next routine annual indoor air sampling event is scheduled for December 2020.

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

The following O&M issues were identified during the 3rd quarter of 2020:

- Flow readings at the SVE-Influent were not recorded during July, August, and September 2020 due to the flow rate being over the instrument calibration range. Since a flow reading was not obtained during the 3rd quarter and during June 2020 when the influent VOC sample was collected, an estimation of the mass removal was based on the flow reading collected in May 2020. Alternative equipment may be necessary for the monthly flow readings in order to make more accurate mass removal rates for the SVE system.
- The continuous four-hour data logging software, Lookout®, was not functioning during the entirety of the second quarter. This software should be fixed in order to help calculate mass removal rates, total and cumulative flow, and average monthly flow rates for the remediation systems.

6.0 FUTURE ACTIVITIES

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

- Routine monthly operations and maintenance activities will continue; and
- Semi-annual groundwater sampling is scheduled to be completed in the 1st quarter of 2021.

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 0.28 lbs of VOCs during the 3rd quarter or 2020. Based on review of O&M field notes and laboratory analysis of SVE-Influent samples analyzed by the laboratory, the SVE system removed approximately 17.62 lbs of VOCs consisting primarily of PCE. The total cost of system O&M during this quarter was $16,078.30 (Tasks 1 through 4 of the WA). A cost per pound of VOC removal in both liquid and vapor phase is provided below.

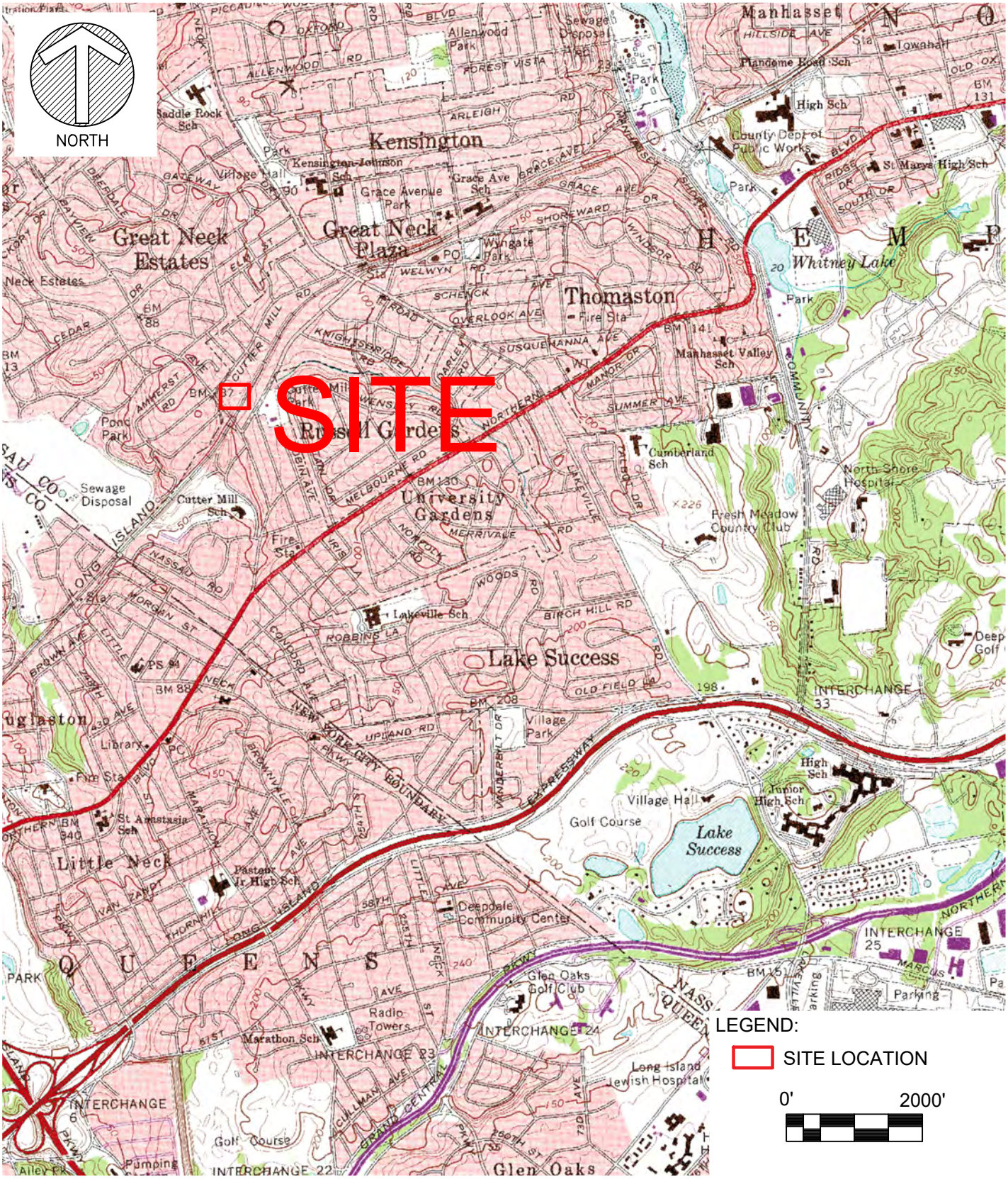
Quarterly Cost Summary

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
7/1/2020 – 9/30/2020	$16,078.30	17.34	0.28	17.62	$912.50

Based on the laboratory data from SVE system influent and the PID readings at the SVE system during each monthly visit, the SVE system continues to recover mass from the subsurface. Modifications to the SVE system were conducted in the 3rd quarter of 2020, including the installation of two horizontal SVE (hSVE) wells beneath the buildings on the Site. These two hSVE wells will be connected to the existing SVE system in the 4th quarter of 2020 to enhance mass removal from the subsurface soils. Installation and operation of the hSVE wells will be documented under separate cover following connection and activation. Operation of the SVE system should continue until such time that mass removal rates become asymptotic.

The concentrations of PCE detected in the GWE&T system influent samples did not exceed the NYSDEC GWQS during this quarter. Operation of the GWE&T system created a cone of depression and captured dissolved phase VOCs in groundwater between the site and the WAGNN public supply wells. The GWE&T system should continue to operate in order to mitigate potential impacts to the WAGNN supply well.

FIGURES

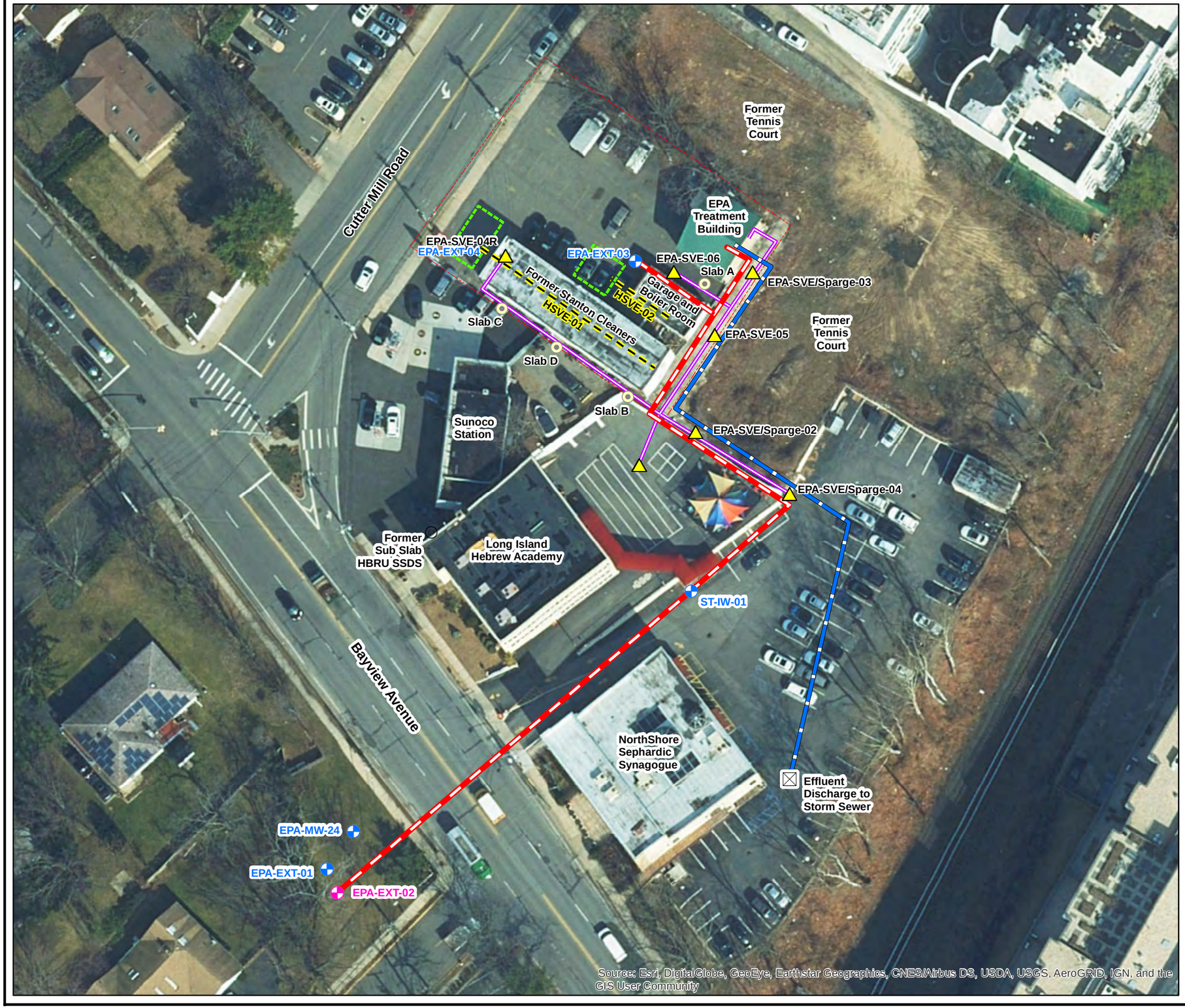


SITE LOCATION MAP

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

SCALE:	1" = 2000'
ISSUE DATE:	05/13/2020
PROJECT NUMBER:	DEC1003.OM

FIGURE
1



Legend

- Effluent Discharge
- SVE Well
- Non-Operational Extraction Well
- Ground Water Extraction Well
- Groundwater Treatment Effluent Line
- Groundwater Treatment Influent Line
- Proposed Horizontal SVE Well
- Existing SVE System Suction Line
- Staging Area and Entry Points
- Stanton Cleaners Property

HRP
MOVE YOUR ENVIRONMENT FORWARD
197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
(860) 674-9570
HRPASSOCIATES.COM

North

0 25 50 Feet

Revisions					
No.					
Date					

Designed By: AAL
Drawn By: BOB
Reviewed By: DJF

Issue Date: 07/23/2020
Project No: DEC1003.OM
Sheet Size: 11x17

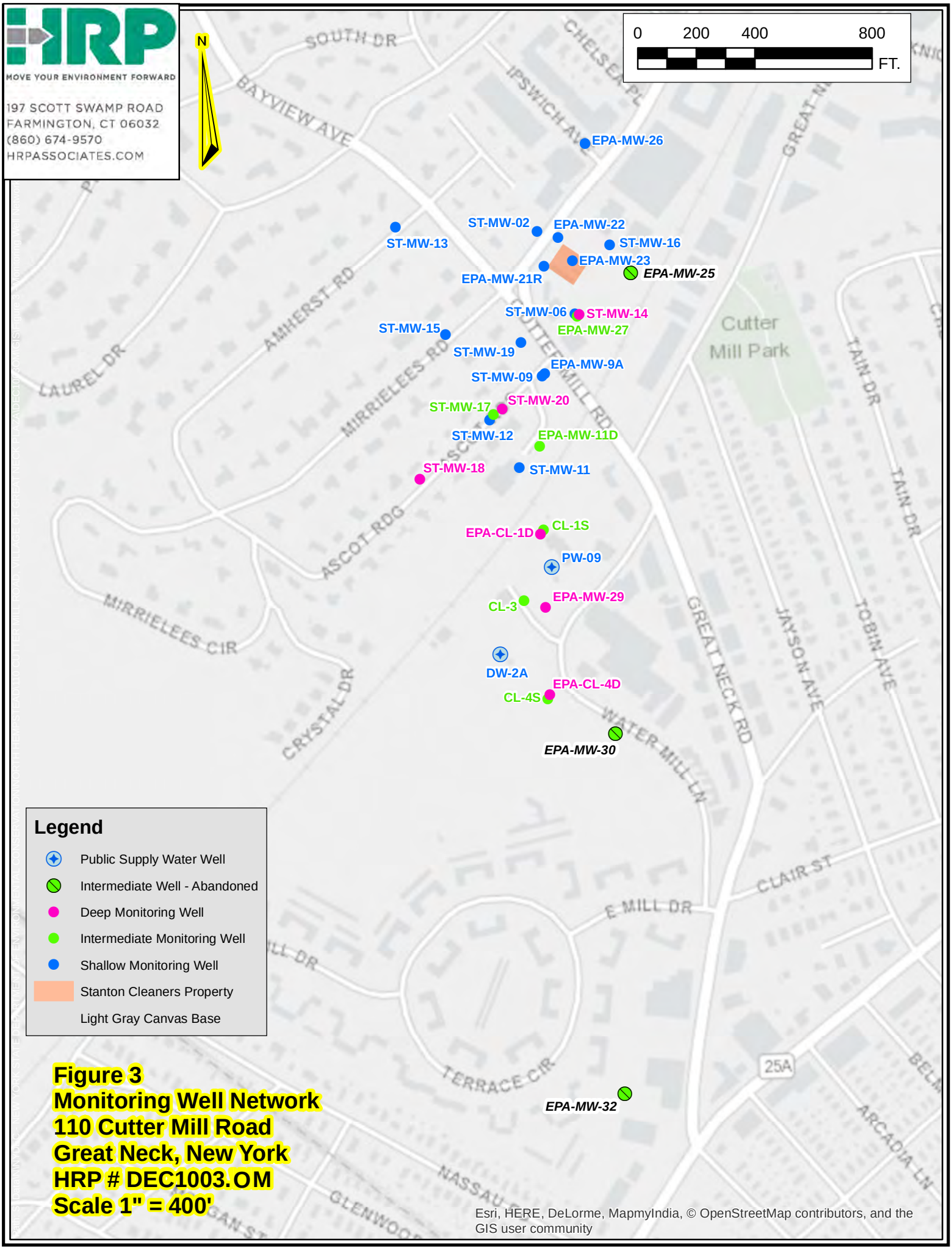
Site Layout

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

SHEET NO.

Fig. 2

Path: S:\Data\NY\DEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\NORTH HEMPSTEAD\110 CUTTER MILL ROAD, VILLAGE OF GREAT NECK PLAZA\DEC1003OM\GIS\Figure 2 - Site Layout.mxd


HRP
MOVE YOUR ENVIRONMENT FORWARD
197 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
(860) 674-9570
HRPASSOCIATES.COM
N
0 200 400 800
FT.
EPA-MW-26
ST-MW-02
EPA-MW-22
ST-MW-13
ST-MW-16
EPA-MW-23
EPA-MW-25
EPA-MW-21R
ST-MW-06
ST-MW-14
ST-MW-15
EPA-MW-27
ST-MW-19
EPA-MW-9A
ST-MW-09
ST-MW-17
ST-MW-20
ST-MW-12
EPA-MW-11D
ST-MW-18
ST-MW-11
EPA-CL-1D
CL-1S
PW-09
CL-3
EPA-MW-29
DW-2A
EPA-CL-4D
CL-4S
EPA-MW-30
EPA-MW-32
Cutter Mill Park
SOUTH DR
BAYVIEW AVE
IPSWICH AVE
CHELSEA PL
GREAT NECK RD
AMHERST RD
LAUREL DR
MIRRIELEES RD
CUTTER MILL RD
ASCOT RDG
MIRRIELEES CIR
CRYSTAL DR
JAYSON AVE
TOBIN AVE
TAIN DR
WATER MILL LN
CLAIR ST
E MILL DR
TERRACE CIR
NASSAU
ARCADIA LN
25A
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'
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

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

Notes

PCE = Tetrachloroethylene

lbs = pounds

µg/L = micrograms per cubic liter

Table 2: Groundwater Extraction and Treatment System - Influent and Effluent Analytical Results
NEW YORK STATE DEPARTMENT OF ENVIROMENTAL CONSERVATION
110 CUTTER MILL ROAD, GREAT NECK, NY
HRP# DEC1003.OM

			Lab Report No:	4602130621	4602130621	4602156191	4602156191	4602105421	4602105421
			Date:	06-Jul-20	06-Jul-20	06-Aug-20	06-Aug-20	01-Sep-20	01-Sep-20
			HRP No.:	SC	SC	SC	SC	SC	SC
			ID:	EFFLUENT	EPA-EXT-02	EFFLUENT	EPA-EXT-02	EFFLUENT	EPA-EXT-02
			Sample Name:	Effluent	EPA-EXT-02	Effluent	Epa-Ext-02	Effluent	Epa-ext-02
Analyte	CAS RN	NYSDEC CLASS GA CRITERIA	Unit	Results	Results	Results	Results	Results	Results
VOC									
1,1,1-Trichloroethane	71-55-6		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	79-34-5		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	79-00-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	75-34-3		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethylene	75-35-4		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	96-12-8	0.004	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane (EDB) (ethylene dibromide)	106-93-4	0.0006	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	95-50-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	107-06-2	0.6	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	78-87-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	541-73-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (cis)	10061-01-5	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (trans)	10061-02-6	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	106-46-7	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)	78-93-3		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	67-64-1		ug/l	< 5.0	< 5.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	71-43-2	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene, 1,2,4-trichloro-	120-82-1		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	75-27-4		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	75-25-2		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	74-83-9		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	75-15-0	120	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	56-23-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	108-90-7		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	75-00-3		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	67-66-3	7	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	74-87-3		ug/l	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethylene	156-59-2		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	110-82-7		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	124-48-1		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	75-71-8		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	100-41-4		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	98-82-8		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
METHYL ACETATE	79-20-9		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl isobutyl ketone (MIBK)	108-10-1		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	108-87-2		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	75-09-2	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyltertbutyl ether	1634-04-4		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100-42-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethylene	127-18-4	5	ug/l	< 1.0	3.9	< 1.0	4.6	0.38	5.1
Toluene	108-88-3		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethylene	156-60-5		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	79-01-6	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	75-69-4		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	75-01-4	2	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend

<1	Parameter not detected above the laboratory reporting limit
( )	Indicates the laboratory reporting limit is greater than one or more applicable comparison criteria
BRL	Parameter consists of multiple isomers and were not detected above the laboratory reporting limit
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion

Table 3

Soil Vapor Extraction System - Influent and Effluent Analytical Results

Stanton Cleaners - NYSDEC Site # 130072

110 Cutter Mill Road, Great Neck, NY

		Lab Report No:	140202461	140202461
		Date:	01-Sep-20	01-Sep-20
		HRP No.:	SC	SC
		ID:	SVE_EFF	SVE_INF
		Sample Name:	SVE_EFF	SVE_INF
Analyte	CAS RN	Unit	Results	Results
VOC				
1,1,1-Trichloroethane	71-55-6	ug/m3	< 4.4	< 100
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	< 5.5	< 130
1,1,2-Trichloroethane	79-00-5	ug/m3	< 4.4	< 100
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	ug/m3	< 6.1	< 140
1,1-Dichloroethane	75-34-3	ug/m3	< 3.2	< 74
1,1-Dichloroethylene	75-35-4	ug/m3	< 1.6	< 36
1,2,4-Trimethylbenzene	95-63-6	ug/m3	< 3.9	< 140
1,2-Dibromoethane (EDB) (ethylene dibromide)	106-93-4	ug/m3	< 6.1	< 140
1,2-Dichlorobenzene	95-50-1	ug/m3	< 4.8	< 110
1,2-Dichloroethane	107-06-2	ug/m3	< 3.2	< 74
1,2-Dichloropropane	78-87-5	ug/m3	< 3.7	< 90
1,3,5-Trimethylbenzene	108-67-8	ug/m3	< 3.9	< 96
1,3-Dichlorobenzene	541-73-1	ug/m3	< 4.8	< 120
1,3-Dichloropropene (cis)	10061-01-5	ug/m3	< 3.6	< 89
1,3-Dichloropropene (trans)	10061-02-6	ug/m3	< 3.6	< 89
1,4-Dichlorobenzene	106-46-7	ug/m3	< 4.8	< 120
1,4-Dioxane	123-91-1	ug/m3	< 7.2	< 180
2-Butanone (MEK)	78-93-3	ug/m3	< 9.4	< 230
Benzene	71-43-2	ug/m3	< 2.6	< 59
Benzene, 1,2,4-trichloro-	120-82-1	ug/m3	< 5.9	< 150
Benzyl chloride	100-44-7	ug/m3	< 8.3	< 200
Bromodichloromethane	75-27-4	ug/m3	< 5.4	< 130
Bromoform	75-25-2	ug/m3	< 8.3	< 190
Bromomethane	74-83-9	ug/m3	< 3.1	< 71
Carbon tetrachloride	56-23-5	ug/m3	< 2.0	< 49
Chlorobenzene	108-90-7	ug/m3	< 3.7	< 85
Chloroethane	75-00-3	ug/m3	< 2.1	< 48
Chloroform	67-66-3	ug/m3	< 3.9	< 95
Chloromethane	74-87-3	ug/m3	< 4.1	< 100
cis-1,2-Dichloroethylene	156-59-2	ug/m3	400	320
Cyclohexane	110-82-7	ug/m3	< 6.9	< 160
Dibromochloromethane	124-48-1	ug/m3	< 6.8	< 160
Dichlorodifluoromethane	75-71-8	ug/m3	< 4.0	< 91
Ethanol	64-17-5	ug/m3	2100	910
Ethylbenzene	100-41-4	ug/m3	< 3.5	< 85
Hexachlorobutadiene	87-68-3	ug/m3	< 8.5	< 200
m/p-Xylenes	179601-23-1	ug/m3	< 3.5	< 85
Methyl isobutyl ketone (MIBK)	108-10-1	ug/m3	< 8.2	< 200
Methylene chloride	75-09-2	ug/m3	35	< 320
Methyltertbutyl ether	1634-04-4	ug/m3	< 5.8	< 130
Naphthalene	91-20-3	ug/m3	< 10	< 240
o-Xylene	95-47-6	ug/m3	< 3.5	< 80
Styrene	100-42-5	ug/m3	< 3.4	< 78
t-Butyl alcohol	75-65-0	ug/m3	< 9.7	< 240
Tetrachloroethylene	127-18-4	ug/m3	39	12000
Toluene	108-88-3	ug/m3	11	< 110
trans-1,2-Dichloroethylene	156-60-5	ug/m3	4.2	< 73
Trichloroethylene	79-01-6	ug/m3	8.0	390
Trichlorofluoromethane	75-69-4	ug/m3	< 4.5	< 100
Vinyl chloride	75-01-4	ug/m3	< 1.0	< 23

Legend

<1	Parameter not detected above the laboratory reporting limit
( )	Indicates the laboratory reporting limit is greater than one or more applicable comparison criteria
BRL	Parameter consists of multiple isomers and were not detected above the laboratory reporting limit

Notes:

µg/m3 = micrograms per cubic meter

Table 4
SVE 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^3)	TCE Concentration (mg/m^3)	cis-1,2-DCE Concentration (mg/m^3)	Flowrate (cfm)	Ave. PCE Concentration (mg/m^3)	PCE Discharge (lbs)	Ave. TCE Concentration (mg/m^3)	TCE Discharge (lbs)	cis-1,2-DCE Concentration (mg/m^3)	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

Notes:
PCE = Tetrachloroethylene
TCE = Trichloroethylene
Cis-1,2-DCE = cis-1,2-dichloroethylene
cfm = cubic feet per minute
ave. = average
lbs = pounds
mg/m^3 = milligrams per cubic meter

Table 5: Well Monitoring Schedule

Stanton Cleaners Area Superfund Site

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
Semiannual Groundater Monitoring
Summary of Analytical Results
Stanton Cleaners - NYSDEC Site # 130072
110 Cutter Mill Road, Great Neck, NY

				Report No:	4602171821	4602171691	4602171691	4602170401	4602173051	4602171821	4602171821	4602170721	4602170401	4602171691	4602170401	4602171691
				Date:	27 Aug 2020	27 Aug 2020	27 Aug 2020	20 Aug 2020	28 Aug 2020	27 Aug 2020	27 Aug 2020	26 Aug 2020	20 Aug 2020	27 Aug 2020	20 Aug 2020	27 Aug 2020
				HRP No.:	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
				ID:	EPA-MW-11D	EPA-MW-21R	EPA-MW-23	EPA-MW-26	EPA-MW-27	EPA-MW-9A	ST-MW-11	ST-MW-12	ST-MW-13	ST-MW-14	ST-MW-15	ST-MW-16
				Sample Name:	EPA-MW-11D	EPA-MW-21R	EPA-MW-23	EPA-MW-26	EPA-MW-27	EPA-MW-9A	ST-MW-11	ST-MW-12	ST-MW-13	ST-MW-14	ST-MW-15	ST-MW-16
Analyte	CAS RN	NYSDEC CLASS GA CRITERIA	Unit	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
VOC																
1,1,1-Trichloroethane	71-55-6	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	79-00-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	75-34-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethylene	75-35-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.15**	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane (EDB) (ethylene dibromide)	106-93-4	0.0006	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	95-50-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	107-06-2	0.6	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	78-87-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	541-73-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (cis)	10061-01-5	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (trans)	10061-02-6	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	106-46-7	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)	78-93-3	50	ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	50	ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	67-64-1	50	ug/l	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	71-43-2	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene, 1,2,4-trichloro-	120-82-1	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	75-27-4	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.8**	< 1.0	< 1.0	< 1.0
Bromoform	75-25-2	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
Bromomethane	74-83-9	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	75-15-0	60	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	56-23-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	108-90-7	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	75-00-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	67-66-3	7	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
Chloromethane	74-87-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethylene	156-59-2	5	ug/l	< 1.0	**3.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	110-82-7		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	124-48-1	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**2.5**	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	75-71-8	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	100-41-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	98-82-8	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
METHYL ACETATE	79-20-9		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl isobutyl ketone (MIBK)	108-10-1		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	108-87-2		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	75-09-2	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyltertbutyl ether	1634-04-4	10	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100-42-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethylene	127-18-4	5	ug/l	< 1.0	**55**	**0.82**	**0.31**	< 1.0	< 1.0	**0.37**	< 1.0	< 1.0	**4.3**	< 1.0	< 1.0	**1.9**
Toluene	108-88-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethylene	156-60-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	79-01-6	5	ug/l	< 1.0	**1.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	75-69-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	75-01-4	2	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend

<1	Parameter not detected above the laboratory reporting limit
BRL	Parameter consists of multiple isomers and were not detected above the laboratory reporting limit
1	Parameter had a detection above the laboratory reporting limit
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
ETPH = Extractable Total Petroleum Hydrocarbons
NA = Not Submitted for Analysis

Table 6
Semiannual Groundater Monitoring
Summary of Analytical Results
Stanton Cleaners - NYSDEC Site # 130072
110 Cutter Mill Road, Great Neck, NY

			Report No:	4602170721	4602173051	4602173051	4602170721	4602170721
			Date:	26 Aug 2020	28 Aug 2020	28 Aug 2020	26 Aug 2020	26 Aug 2020
			HRP No.:	SC	SC	SC	SC	SC
			ID:	ST-MW-17	ST-MW-18	ST-MW-19	ST-MW-20	ST-MW-X
			Sample Name:	ST-MW-17	ST-MW-18	ST-MW-19	ST-MW-20	ST-MW-X
Analyte	CAS RN	NYSDEC CLASS GA CRITERIA	Unit	Results	Results	Results	Results	Results
VOC								
1,1,1-Trichloroethane	71-55-6	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	79-00-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	75-34-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethylene	75-35-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane (EDB) (ethylene dibromide)	106-93-4	0.0006	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	95-50-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	107-06-2	0.6	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	78-87-5	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	541-73-1	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (cis)	10061-01-5	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropene (trans)	10061-02-6	0.4	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	106-46-7	3	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (MEK)	78-93-3	50	ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	50	ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Acetone	67-64-1	50	ug/l	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Benzene	71-43-2	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene, 1,2,4-trichloro-	120-82-1	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	75-27-4	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	75-25-2	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	74-83-9	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	75-15-0	60	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	56-23-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	108-90-7	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	75-00-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	67-66-3	7	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	74-87-3	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	**1.1**
cis-1,2-Dichloroethylene	156-59-2	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cyclohexane	110-82-7		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	124-48-1	50	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	75-71-8	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	100-41-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	98-82-8	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
METHYL ACETATE	79-20-9		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methyl isobutyl ketone (MIBK)	108-10-1		ug/l	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Methylcyclohexane	108-87-2		ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methylene chloride	75-09-2	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyltertbutyl ether	1634-04-4	10	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	100-42-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethylene	127-18-4	5	ug/l	**0.95**	< 1.0	**22**	< 1.0	< 1.0
Toluene	108-88-3	5	ug/l	< 1.0	**0.56**	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethylene	156-60-5	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	79-01-6	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	75-69-4	5	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	75-01-4	2	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Legend

<1	Parameter not detected above the laboratory reporting limit
BRL	Parameter consists of multiple isomers and were not detected above the laboratory reporting limit
1	Parameter had a detection above the laboratory reporting limit
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion

Notes:
µg/l = micrograms per liter
ETPH = Extractable Total Petroleum Hydrocarbons
NA = Not Submitted for Analysis

Table 7

Groundwater Extraction and Treatment System Annual SPDES Sampling

110 Cutter Mill Road, Great Neck, NY

HRP# DEC1003.OM

		Date:	01 Sep 2020
		Lab Report No:	4602175531
		ID:	SW-CB-1
Analyte	CAS RN	Unit	Results
Metals			
Barium	7440-39-3	ug/l	**43.3**
Calcium	7440-70-2	ug/l	**49,400**
Iron	7439-89-6	ug/l	< 150
Manganese	7439-96-5	ug/l	**2.5**
Potassium, Total	7440-09-7	ug/l	**3,430**
Sodium, Total	7440-23-5	ug/l	**77,400**
Miscellaneous			
Ammonia	7664-41-7	mg/l	**0.14**
Nitrogen, Kjeldahl	TKN	mg/l	**0.3**
Chloride	16887-00-6	mg/l	**169**
Corrosivity (as pH)	Corrosivity-pH	pH Units	**7.6**
pH	PH	pH Units	**7.6**
Sulfate	14808-79-8	mg/l	**44.5**
Sulfide	18496-25-8	mg/l	< 1.0
Temperature	Temp.	C	**21.7**
Total Dissolved Solids	TDS	mg/l	**706**
Total Suspended Solids	TSS	mg/l	< 2.5
VOCs			
VOCs	Varies	ug/l	BDL

Notes:

mg/l = milligrams per liter

µg/l = micrograms per liter

APPENDIX A
Daily Operation and Maintenance Reports

DAILY INSPECTION REPORT

Report No. **Stanton Cleaners - NYSDEC Site No. 130072** Date: 7/6/20

NYSDEC Division of Environmental Remediation				**NYSDEC Contract No. D011107** Superintendent: NYSDEC PM: P. Long Consultant PM: M. Wright Consultant Site Inspectors: J. Brown
Site Location: 110 Cutter Mill Rd, Great Neck, NY				
Weather Conditions				
General Description	Fair	AM	Fair	PM
Temperature	85	AM	92	PM
Wind	NE	AM	N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

General safety precautions and PPE used. Socially safe distances observed

Summary of Work Performed	Arrived at site:	1030	Departed Site:	1245

Onsite for routine monthly O&M of GWETS and SVE systems including GWETS water sampling and water level gauging at monitoring wells.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Brown	EAR	Technician	2.25

Equipment Description	**Contractor/Vendor**	**Quantity**	**Used**
Transit/van	EAR	1	Yes
PID	EAR	1	Yes
AVM	EAR	1	Yes
4-gas meter	EAR	1	Yes
Water level Meter	EAR	1	Yes

Material Description	**Imported/ Delivered to Site**	**Exported off Site**	**Waste Profile (If Applicable)**	**Source or Disposal Facility (If Applicable)**	**Daily Loads**	**Daily Weight (tons)***

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

Equipment/Material Tracking Comments:

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.

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

Site Photographs (Descriptions Below)	
	
Site	Behind compound

	
Behind compound	

Comments

Site Inspector(s): JB	**Date: 7/6/20**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
If Yes to any of 1-4 above: • If it is not 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. • If it is 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Stanton Cleaners - NYSDEC Site No. 130072** Date: 8/5/20

NYSDEC Division of Environmental Remediation					**NYSDEC Contract No. D011107** Superintendent: NYSDEC PM: P. Long Consultant PM: M. Wright Consultant Site Inspectors: J. Brown
Site Location: 110 Cutter Mill Rd, Great Neck, NY					
Weather Conditions					
General Description	Fair	AM	Mostly cloudy	PM	
Temperature	84	AM	86	PM	
Wind	N	AM	W	PM	

Health & Safety **If any box below is checked "Yes", provide explanation under "Health & Safety Comments".**			
Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

General safety precautions and PPE used. Socially safe distances observed

Summary of Work Performed	Arrived at site:	11:00	Departed Site:	13:30

Onsite for routine monthly O&M of GWETS and SVE systems including GWETS water sampling and water level gauging at monitoring wells. System operating upon arrival to and departure from the site.

Equipment/Material Tracking **If any box below is checked "Yes", provide explanation under "Material Tracking Comments".**			
Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Brown	EAR	Technician	2.5

Equipment Description	Contractor/Vendor	Quantity	Used
Transit/van	EAR	1	Yes
PID	EAR	1	Yes
AVM	EAR	1	Yes
4-gas meter	EAR	1	Yes
Water level Meter	EAR	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

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

Equipment/Material Tracking Comments:

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.

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

Site Photographs (Descriptions Below)	
	
Side of equipment bldg	Behind equipment bldg

	
Behind equipment bldg.	

Comments

Site Inspector(s): JB	**Date: 8/5/20**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
If Yes to any of 1-4 above: • If it is not 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. • If it is 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

DAILY INSPECTION REPORT

Report No. **Stanton Cleaners - NYSDEC Site No. 130072** Date: 9/1/20

NYSDEC Division of Environmental Remediation					**NYSDEC Contract No. D011107** Superintendent: NYSDEC PM: P. Long Consultant PM: I. Hofmann Consultant Site Inspectors: J. Brown
Site Location: 110 Cutter Mill Rd, Great Neck, NY					
Weather Conditions					
General Description	Mostly cloudy	AM	Mostly cloudy	PM	
Temperature	68	AM	72	PM	
Wind	S	AM	E	PM	

Health & Safety **If any box below is checked "Yes", provide explanation under "Health & Safety Comments".**			
Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

General safety precautions and PPE used. Socially safe distances observed

Summary of Work Performed	Arrived at site:	07:15	Departed Site:	10:45

Onsite for routine monthly O&M of GWETS and SVE systems including GWETS water sampling, SPDES sampling, SVE sampling, and water level gauging at monitoring wells. System operating upon arrival to and departure from the site.

Equipment/Material Tracking **If any box below is checked "Yes", provide explanation under "Material Tracking Comments".**			
Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Brown	EAR	Technician	3.5

Equipment Description	Contractor/Vendor	Quantity	Used
Transit/van	EAR	1	Yes
PID	EAR	1	Yes
AVM	EAR	1	Yes
4-gas meter	EAR	1	Yes
Water level Meter	EAR	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

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

Equipment/Material Tracking Comments:

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.
N/A

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

Site Photographs (Descriptions Below)	
	
Equipment bldg	Discharge/SPDES sample collection point

Comments	
Site Inspector(s): JB	**Date: 9/1/20**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
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 ☐	No ☒
Comments:		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this locaton had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
If Yes to any of 1-4 above: • If it is not 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. • If it is 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.	Yes ☐	No ☐
Comments:		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
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 ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

APPENDIX B

Groundwater Extraction and Treatment System Operation and Maintenance Reports

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 7/6/2020 **Tech:** JB

Weather	Sun	Partly Cloudy	Overcast	Rain	
Temp °F	<32	32-50	50-70	70-85	>85
Wind	Light	Moderate	High		
Humidity	Dry	Moderate	Humid		
Wind Dir	NE	NW	SE	SW	
	N	S	E	W	

Time Onsite	On:	10:30	Off:	12:45

Activities Log

Time	**Task**
1030	Onsite. System readings.
1115	Well gauging
1215	Site Cleanup
1245	Offsite

GWETS

Digital Readings from Catwalk:

Discharge pH:	4.96
Discharge Temp (°C):	-
Discharge Conductivity:	-1.4

Flow Meter Reading:

Flow Rate (GPM):	65
Total Gallons:	90087.0 @ 9:03

(meter display in 100 of gallons)

** meter appears to have rolled over or reading is incorrect

Effluent Flow Meter Reading:

Flow Rate (GPH):	256
Total Gallons:	256774.9 @ 10:30

Computer Totalizer Display: 530682349 @ 10:46

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 8/5/2020 **Tech:** JB

Weather	Sun	Partly Cloudy	Overcast	Rain	
Temp °F	<32	32-50	50-70	70-85	>85
Wind	Light	Moderate	High		
Humidity	Dry	Moderate	Humid		
Wind Dir	NE	NW	SE	SW	
	N	S	E	W	

Time Onsite	On:	10:30	Off:	13:30

Activities Log

Time	**Task**
1030	Onsite. System readings.
1145	Site clean up
1215	Well gauging
1315	System sample collection
1330	Offsite

GWETS

Digital Readings from Catwalk:

Discharge pH:	5.09
Discharge Temp (°C):	23
Discharge Conductivity:	-1.2

Flow Meter Reading:

Flow Rate (GPM):	65
Total Gallons:	2578875.3 @ 10:39

(meter display in 100 of gallons)

Effluent Flow Meter Reading:

Flow Rate (GPH):	257
Total Gallons:	2231102.5 @ 10:39

Computer Totalizer Display: 537449751 @ 10:58

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 9/1/2020 **Tech:** JB

Weather	Sun	Partly Cloudy	Overcast	Rain	
Temp °F	<32	32-50	50-70	70-85	>85
Wind	Light	Moderate	High		
Humidity	Dry	Moderate	Humid		
Wind Dir	NE	NW	SE	SW	
	N	S	E	W	

Time Onsite	On:	7:15	Off:	10:45

Activities Log

Time	**Task**
7:15	Onsite. System readings.
8:15	System sampling
9:00	SPDES sampling and well gauging
10:45	Offsite

GWETS

Digital Readings from Catwalk:

Discharge pH:	4.85
Discharge Temp (°C):	21
Discharge Conductivity:	-1.3

Flow Meter Reading:

Flow Rate (GPM):	64
Total Gallons:	4821635.0 @7:54

(meter display in 100 of gallons)

Effluent Flow Meter Reading:

Flow Rate (GPH):	255.1
Total Gallons:	960656.0 @ 7:54

Computer Totalizer Display: 543870267 @ 7:54

APPENDIX C

Soil Vapor Extraction System Operation and Maintenance Reports

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 7/6/2020 **Tech:** JB

SVE Air Monitoring Log

		Instrument: 4-gas meter					Instrument: Velocicalc				
	Pipe ID	**VOC ***	**CO**	**O2(%)**	**LEL(%)**	**H2S**	**Temp (F)**	**Vac/Press (inH2O)**	**%RH**	**Dew Pt (F)**	**Flow (cfm)**
SVE-Influent	5.709	2.8 ppm	0	20.1	0	0	93	-11.7	-	-	over
Post-Blower-Pre-Carbon	5.706	3.5 ppm	0	19.9	0	0	112	0.8	-	-	134
EPA-SVE-1 (shallow)	1.913	0.0	0	20.2	0	0	93	-8.2	-	-	14.8
EPA-SVE-1 (medium)	1.913	0.0	0	20.2	0	0	93	-8.7	-	-	9.6
EPA-SVE-2 (shallow)	1.913	0.1 ppm	0	20.2	0	0	94	-0.7	-	-	18
EPA-SVE-2 (medium)	1.913	0.0	0	20.2	0	0	93	-0.6	-	-	7.5
SS-A	1.913	0.0	0	20.2	0	0	100	-6.0	-	-	30
SVE-3A	1.913	0.4 ppm	0	20.2	0	0	94	-8.4	-	-	11.5
SVE-3B	1.913	1.8 ppm	0	20.2	0	0	-	-6.8	-	-	water
SVE-1 Combined	1.913	0.1 ppm	0	20.2	0	0	93	-5.6	-	-	32
SVE-2 Combined	1.913	0.0	0	20.2	0	0	93	-5.0	-	-	56
Background	n/a	0.0	0	20.1	0	0	90	-	-	-	-

Notes:

* ppb unless noted otherwise

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 8/5/2020 **Tech:** JB

SVE Air Monitoring Log

		Instrument: 4-gas meter					Instrument: Velocicalc				
	Pipe ID	**VOC ***	**CO**	**O2(%)**	**LEL(%)**	**H2S**	**Temp (F)**	**Vac/Press (inH2O)**	**%RH**	**Dew Pt (F)**	**Flow (cfm)**
SVE-Influent	5.709	1.2 ppm	-	-	-	-	81	-12.1	-	-	over
Post-Blower-Pre-Carbon	5.706	1.1 ppm	-	-	-	-	88	0.8	-	-	140
EPA-SVE-1 (shallow)	1.913	0.0	-	-	-	-	85	-8.0	-	-	13
EPA-SVE-1 (medium)	1.913	0.1 ppm	-	-	-	-	86	-6.5	-	-	9
EPA-SVE-2 (shallow)	1.913	0.1 ppm	-	-	-	-	85	-0.8	-	-	9
EPA-SVE-2 (medium)	1.913	0.0	-	-	-	-	86	-0.9	-	-	16
SS-A	1.913	0.0	-	-	-	-	89	-4.9	-	-	30
SVE-3A	1.913	0.7 ppm	-	-	-	-	88	-7.7	-	-	17
SVE-3B	1.913	0.8 ppm	-	-	-	-	89	-6.4	-	-	100
SVE-1 Combined	1.913	0.0	-	-	-	-	88	-4.4	-	-	28
SVE-2 Combined	1.913	0.0	-	-	-	-	88	-5.1	-	-	31
Background	n/a	0.0	-	-	-	-	85	-	-	-	-

Notes:

4-gas meter failure

* ppb unless noted otherwise

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 9/1/2020 **Tech:** JB

SVE Air Monitoring Log

		Instrument: 4-gas meter, minirae3000					Instrument: Velocicalc				
	Pipe ID	**VOC ***	**CO**	**O2(%)**	**LEL(%)**	**H2S**	**Temp (F)**	**Vac/Press (inH2O)**	**%RH**	**Dew Pt (F)**	**Flow (cfm)**
SVE-Influent	5.709	3.2	0	21	0	0	72	-12.8	-	-	over
Post-Blower-Pre-Carbon	5.706	3	0	20.9	0	0	73	2.3	-	-	148
EPA-SVE-1 (shallow)	1.913	0.1	0	20.9	0	0	72	-7.7	-	-	17
EPA-SVE-1 (medium)	1.913	0.1	0	20.9	0	0	70	-6.2	-	-	6
EPA-SVE-2 (shallow)	1.913	0.0	0	20.9	0	0	71	-1.1	-	-	8
EPA-SVE-2 (medium)	1.913	0.0	0	20.9	0	0	71	-0.9	-	-	22
SS-A	1.913	0.0	0	20.8	0	0	72	-5.8	-	-	31
SVE-3A	1.913	1.4	0	20.8	0	0	72	-7.9	-	-	38
SVE-3B	1.913	2.1	0	20.9	0	0	72	-6.0	-	-	79
SVE-1 Combined	1.913	0.0	0	20.9	0	0	73	-5.6	-	-	40
SVE-2 Combined	1.913	0.0	0	20.9	0	0	72	-5.9	-	-	35
Background	n/a	0.0	0	20.9	0	0	70	-	-	-	-

Notes:

* ppm

APPENDIX D
Monthly Groundwater Level Measurements

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 7/6/2020 **Tech:** JB

Water Level Data Summary

Well ID	Time	DTW (ft)	Comments
EPA-MW-26		60.21	
ST-MW-16		54.10	
EPA-MW-23		64.30	
EPA-MW-27		57.28	
ST-MW-14		57.38	
ST-MW-11		60.55	
EPA-MW-11D		59.31	
ST-MW-18		77.10	
ST-MW-12		71.10	
ST-MW-17		67.10	
ST-MW-20		66.80	
EPA-MW-9A		61.33	
ST-MW-19		78.25	
ST-MW-15		73.47	
ST-MW-13		88.71	
EPA-MW-21R		-	No access - station fenced off

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 8/5/2020 **Tech:** JB

Water Level Data Summary

Well ID	Time	DTW (ft)	Comments
EPA-MW-26		60.38	
ST-MW-16		53.17	
EPA-MW-23		64.72	
EPA-MW-27		56.99	
ST-MW-14		54.10	
ST-MW-11		60.81	
EPA-MW-11D		59.80	
ST-MW-18		76.90	
ST-MW-12		72.01	
ST-MW-17		67.50	
ST-MW-20		66.77	
EPA-MW-9A		61.38	
ST-MW-19		77.58	
ST-MW-15		73.90	
ST-MW-13		88.80	
EPA-MW-21R		-	No access - station fenced off

DEC-GREATNECK110 / STANTON CLEANERS
MONTHLY SITE DATA INFORMATION SHEET

Date: 9/1/2020 **Tech:** JB

Water Level Data Summary

Well ID	Time	DTW (ft)	Comments
EPA-MW-26	-	59.40	
ST-MW-16	-	55.10	
EPA-MW-23	-	65.11	
EPA-MW-27	-	48.91	
ST-MW-14	-	48.80	
ST-MW-11	-	59.88	
EPA-MW-11D	-	57.60	
ST-MW-18	-	80.21	
ST-MW-12	-	71.20	
ST-MW-17	-	69.81	
ST-MW-20	-	67.60	
EPA-MW-9A	-	62.10	
ST-MW-19	-	-	
ST-MW-15	-	74.40	
ST-MW-13	-	86.71	
EPA-MW-21R	-	-	No access - station fenced off