



February 19, 2019

Mr. Daniel R. Lanners, P.E.
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7014

Subject: Former M. Argueso and Company, Inc.
441 & 442 Waverly Avenue, Mamaroneck, NY
Site #C360108
Periodic Review Report
STERLING File #28012

Dear Mr. Lanners,

Sterling Environmental Engineering, P.C. provides the attached Periodic Review Report for the above referenced site. This report covers the period January 15, 2018 to January 14, 2019. A hard copy of the signed certification forms will follow.

Please contact me should you have any questions.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

Mark P. Millspaugh, P.E.
President

mark.millspaugh@sterlingenvironmental.com

MPM/bc
Email/First Class Mail
Attachments

cc: T.J. Milo, New Waverly Avenue Associates, LLC (Email Only)
Kevin Young, Young Sommer, LLC (Email Only)

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Sterling Environmental Engineering, P.C.

**PERIODIC REVIEW REPORT
(January 15, 2018 – January 14, 2019)
FORMER M. ARGUESO AND CO., INC. SITE**

**TOWN OF MAMARONECK
WESTCHESTER CO., NEW YORK
SITE #C360108**

Prepared for:

New Waverly Avenue Associates, LLC
566 Westchester Avenue
Rye Brook, New York 10573

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

February 15, 2019

“Serving our clients and the environment since 1993”

PERIODIC REVIEW REPORT
(January 15, 2018 – January 14, 2019)

FORMER M. ARGUESO AND CO., INC. SITE

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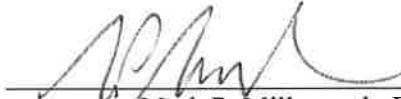
Appendix A: NYSDEC Institutional and Engineering Controls Certification Form

Appendix B: Site-Wide Inspection and Asphalt and Soil Cover System Inspection Forms and Photographs

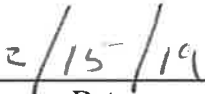
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CERTIFICATION

I, Mark P. Millspaugh, P.E., certify that I am a New York State registered professional engineer and that this Periodic Review Report (PRR) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities will be performed in accordance with the DER-approved work plan dated October 2013 and the modifications approved by DER by letter dated April 29, 2015.



Mark P. Millspaugh, P.E.



Date

1.0 INTRODUCTION

Sterling Environmental Engineering, P.C. (STERLING) prepared this Periodic Review Report (PRR) on behalf of New Waverly Avenue Associates, LLC for the Brownfield Cleanup Program (BCP) Site No. C360108 ("the Site"). The subject of this PRR is the Former M. Argueso and Co., Inc. (Argueso) Site located at 441, 442, 501, and 513 Waverly Avenue, Town and Village of Mamaroneck, Westchester County, New York. The location of the Site is shown on Figure 1. The Site has been investigated and remediated under the New York State Department of Environmental Conservation's (NYSDEC's) BCP.

This PRR covers the period January 15, 2018 to January 14, 2019.

A Site Management Plan (SMP), dated October 2013, is in place for ongoing remedial activities. This PRR presents results of monitoring activities outlined in the SMP.

1.1 Summary of Site Contamination and Remedial History

The Site was previously used in the wax manufacturing process. Volatile Organic Compounds (VOC) and Semi-Volatile Organic Compounds (SVOC) have been detected in soil and groundwater at the site and in offsite monitoring wells.

An Interim Remedial Measure (IRM) was conducted in 2009 and 2010 to remove several underground storage tanks (UST), wastewater tanks and associated piping, and contaminated soil.

The Site was remediated in accordance with the NYSDEC-approved Remedial Action and Interim Remedial Measure Work Plan dated July 29, 2009 and the Remedial Action Work Plan (RAWP) dated October 9, 2012.

Remedial activities were completed at the Site in August and September 2009, October 2010, and June 2013 as detailed in Section 2.2.

1.2 Effectiveness of the Remedial Program and Compliance

The remedial activities completed at the Site have been effective based on results of groundwater monitoring.

No areas of non-compliance with the SMP have been identified.

1.3 Recommendations

The current frequency of groundwater monitoring is semiannually, as approved by NYSDEC's letter dated April 29, 2015.

As described in Section 5.3, VOC levels in monitoring well OSMW-4 have consistently been reported at levels below standards. Therefore, STERLING recommends sampling of this well be discontinued.

No additional changes to the primary elements of the SMP or to the frequency for submitting this PRR are recommended at this time. Monitoring will continue according to the requirements of the SMP and the modifications approved by the NYSDEC April 29, 2015 letter.

The requirements for discontinuing site management have not been met.

2.0 SITE OVERVIEW

2.1 Site Description

The Site comprises two (2) separate properties located in the Village and Town of Mamaroneck, Westchester County, New York. 441 Waverly Avenue includes the parcels of 441, 501, and 513 Waverly Avenue, which are identified by the Town of Mamaroneck Tax Map 28-37 (Section/Block/Lot) as 8/25/278, 8/25/273, and 8/25/268.2, respectively. 442 Waverly Avenue is identified as 8/25/33. The Site is an approximate 1.04-acre area bounded by commercial and residential properties to the north, Railroad Way to the south and commercial and residential properties to the east and west (see Figure 1).

441 Waverly Avenue was originally a residential property until 1934 when a store was constructed. Argueso purchased the property in the 1960s and constructed the existing two (2) story office building and former storage/parking garage.

442 Waverly Avenue was a lumber planing mill in 1912. Subsequent uses include Mamaroneck Sash, Trim and Door, followed by the Mamaroneck Chemical Company. The property was purchased by Argueso in the 1930s.

The Site features at 442 Waverly Avenue included a one (1) story manufacturing building (former Argueso facility) and multiple USTs. The building has been demolished and all known USTs have been removed.

A Remedial Investigation (RI) was performed in 2009-2012 to characterize the nature and extent of contamination at the Site. The results of the RI are described in detail in the following report:

- Interim Remedial Measures/Remedial Investigation (IRM/RI) Report prepared by STERLING dated September 7, 2012.

Below is a summary of Site conditions prior to remediation.

Soil

Several soil samples reported parameter concentrations that exceed Part 375-6.8(a) Unrestricted Soil Cleanup Objectives (SCO) for VOCs.

Site-Related Groundwater

Groundwater samples collected from groundwater monitoring wells onsite and offsite contained several VOCs; specifically, Tetrachloroethylene (PCE) and Trichloroethylene (TCE) were detected above groundwater standards.

Site-Related Soil Vapor Intrusion

A Soil Vapor Intrusion Investigation (SVII) was conducted on March 28 and 29, 2013 for the existing two-story building located at 441 Waverly Avenue. The SVII was performed in accordance with the Soil Vapor Intrusion Investigation Work Plan, submitted by STERLING for the Site on March 18, 2013 and approved by the NYSDEC on March 22, 2013.

The analytical data for samples collected at the Site detected organic vapors in sub-slab vapor, indoor air, and outdoor air.

2.2 Remedial History

The Site was remediated in accordance with the NYSDEC-approved Remedial Action and Interim Remedial Measure Work Plan dated July 29, 2009 and the RAWP dated October 9, 2012.

The following is a summary of the Remedial Actions performed at the Site:

1. Excavation of soil/fill exceeding 6 NYCRR Part 375 Commercial SCOs.
2. Construction and maintenance of an asphalt pavement and soil cover system to prevent human exposure to contaminated soil/fill remaining at the Site.
3. Hydrogen Release Compound (HRC) injection into two (2) areas surrounding wells GZ-22D and GZ-23D for treatment of groundwater.
4. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site.
5. Development and implementation of an SMP for long-term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls (IC/EC), (2) monitoring, and (3) reporting.

Remedial activities were completed at the Site in August and September 2009, October 2010, and June 2013.

3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

This section provides an evaluation of the extent to which the implemented remedy meets the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the Site (i.e., Restricted Commercial). The implemented remedy includes source removal, construction and maintenance of a soil cover system, in-situ remediation by HRC injection, and groundwater monitoring.

3.1 Performance

The results of analysis of soil samples collected during the source removal action indicate that soil impacted with VOCs and petroleum was excavated and disposed thereby removing a potential continuing source of groundwater contamination. Injection of HRC provided a means of continued long-term degradation of residual VOCs in groundwater. The majority of VOCs analyzed in groundwater samples meet applicable groundwater Standards, Criteria, and Guidance (SCG) as described in Section 5.0.

3.2 Effectiveness

The selected remedy (source removal, cover system, in-situ remediation by HRC injection, and groundwater monitoring) is an effective short-term remedial measure. The remedy immediately removed contaminated soil, oxidized remaining contaminants, and eliminated the potential for human exposure. Groundwater sampling and analysis monitors the effectiveness of the remedy and impacts from residual contaminants. There are no known risks to workers, the community, or the environment from the selected remedy.

The soil removal action, cover system, injection of HRC, and groundwater monitoring are effective long-term remedial measures. The soil removal action permanently removed contaminants from the Site, and the asphalt and soil cover system eliminates the potential for exposure to remaining Site contaminants. HRC is designed to remain active and continue to degrade chlorinated compounds over a period of several years. The long-term effect of the HRC is to eliminate or reduce the concentration of VOCs in the groundwater. Groundwater monitoring is an accepted method of monitoring the long-term effectiveness of remediation.

3.3 Protectiveness

The implemented remedy achieves the remedial action objective to protect human health and the environment. The impacted soil removed during the source removal action was transported offsite for disposal at a permitted disposal facility. This action of removing the impacted material from the Site effectively removed the source of contamination from the environment and eliminated human exposure.

Groundwater sampling and analysis is performed to monitor the concentration of residual compounds in groundwater at the Site. The results of sampling and analysis indicate the area of contamination is localized to the Site, and the residual compounds in groundwater are not a threat to offsite receptors.

The results further indicate the concentrations of VOCs in groundwater have been substantially reduced compared to historical levels. These conditions indicate it is unlikely that VOCs have migrated or will migrate offsite. Human exposure is not an issue due to the absence of a pathway for human contact with, or use of, impacted groundwater under the conditions of the contemplated Restricted Commercial Use of the Site.

4.0 IC/EC COMPLIANCE REPORT

4.1 Institutional Controls

The Institutional Control (IC) for the Site consists of an Environmental Easement (EE) that includes groundwater use restrictions, land use restrictions, an SMP, and certification reporting. The EE prohibits the use of the property for any means other than the contemplated Restricted Commercial Use of the Site. The EE also restricts groundwater use and requires that any impacted soil encountered during future intrusive activities be managed and disposed according to State regulations. Finally, the EE requires compliance with the SMP, including the periodic reporting covered by this report. The EE for the property that outlines the use restrictions was filed in Westchester County (Document No. 523243327).

The potential for vapor intrusion must be evaluated for any buildings developed on the Site property and prior to the leasing of 441 Waverly Avenue for human occupation (as compared to storage) and any potential impacts that are identified must be monitored or mitigated.

4.2 Engineering Controls

Exposure to remaining contamination in soil/fill at the Site is prevented by an asphalt and soil cover system placed over the Site, including the existing structure located at 441 Waverly Avenue. This cover system comprises a minimum asphalt layer 5 inches thick, underlain by a compacted sub-base 8 to 18 inches thick, and 12 inches of clean backfill soil. The Excavation Work Plan (EWP) provided in the SMP outlines procedures required in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover system are provided in the Monitoring Plan included in the SMP.

4.3 Corrective Measures

The IC/EC described above are fully in place and effective. Therefore, no corrective measures are proposed at this time.

4.4 IC/EC Certification

The NYSDEC Institutional and Engineering Controls (IC/EC) Certification Form is provided as Appendix A.

5.0 MONITORING PLAN COMPLIANCE REPORT

5.1 Components of the Monitoring Plan

Components of the monitoring plan are summarized below.

Monitoring/Inspection Schedule			
Monitoring Program	Frequency*	Matrix	Analysis
Soil and Asphalt Cover Inspection	Annual	Soil and Asphalt Cover System.	Inspection.
Groundwater Monitoring	Quarterly for the first year; Currently semiannual	Groundwater	VOCs Method 8260C 6 NYCRR Part 375 Parameters.
Site-Wide Inspection	Annual	Monitoring Wells Condition. Stormwater Drainage Catch Basins Condition.	Inspection.

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC and NYSDOH. NYSDEC by letter dated April 29, 2015 reduced the frequency of groundwater monitoring to semiannual.

5.1.1 Soil and Asphalt Cover System Monitoring

The asphalt cover will be visually inspected for cracks wider than one-quarter (1/4) inch and potholes. Soil cover will be visually inspected for signs of erosion and areas of bare soil. Routine asphalt maintenance will be conducted by the property owner.

The condition of the building slab at the existing structure located at 441 Waverly Avenue will be visually inspected for cracks and penetrations.

5.1.2 Groundwater Monitoring

Groundwater monitoring was initially performed on a quarterly basis to assess the performance of the remedy. NYSDEC reduced the frequency of groundwater monitoring to semiannual by letter dated April 29, 2015.

A network of existing monitoring wells allows monitoring of both upgradient and downgradient groundwater conditions at the Site.

Monitoring Wells		
Screened Portion of Overburden Aquifer	Monitoring Well ID	Placement Criteria
Deep	B6-OWD	Upgradient well on 441 Waverly Avenue.
Deep	GZ-21D	Downgradient well on 441 Waverly Avenue.
Deep	GZ-22D	In vicinity of oil/water separator tank and dry wells location at 441 Waverly Avenue.
Deep	OSMW-3	Offsite
Deep	OSMW-4	Offsite
Deep	GZ-23D	Well with the initial highest TCE concentration at 442 Waverly Avenue.

The wells listed above are sampled for Part 375 VOCs by Method 8260C.

The SMP will be modified as needed to reflect any changes in sampling plans approved by the NYSDEC.

5.1.3 Site-Wide Inspection

Site-wide inspections are performed on a regular schedule at a minimum of once a year.

5.2 Summary of Monitoring Data

5.2.1 Summary of Groundwater Monitoring

Groundwater monitoring data for chlorinated VOCs (cVOC) for 2018 and prior sampling events are summarized in Table 1. Four (4) onsite and two (2) offsite monitoring wells were sampled and analyzed for Part 375 VOCs. The results are compared to Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Water Quality Standards and Guidance Values. Figure 2 shows the monitoring well locations.

Initially, wells GZ-22D and GZ-23D contained the highest concentrations of PCE and TCE of the onsite wells and were therefore chosen for treatment.

Since the injections, levels of PCE and TCE have decreased in monitoring wells GZ-21D, GZ-22D, GZ-23D, and OSMW-4. The graphs attached to Table 1 depict the decreasing levels of PCE and TCE in these wells for 2018. Levels of total cVOCs have also decreased in these monitoring wells.

5.2.2 Inspections

In accordance with the SMP, a comprehensive annual site-wide inspection and an inspection of the asphalt and soil cover system were conducted on October 18, 2018. The building slab at 441 Waverly Avenue was also inspected on that date. The Site-Wide Inspection Form and Asphalt and Soil Cover System Inspection Form are provided as Appendix B. Photographs taken during the inspection are provided in Appendix B, and photograph locations are presented on Figure 2.

The site-wide inspection determined all items to be in acceptable condition. The asphalt and soil cover was found to be in good condition. No potholes or penetrations were observed. The building slab at 441 Waverly

Avenue was in good condition with no major cracks or penetrations observed. Therefore, no corrective actions or repairs are needed to the cover system at this time.

5.3 Comparison with Remedial Objectives

The following discussion details the trends in each well. A separate groundwater monitoring report for the second semiannual monitoring event was submitted to the NYSDEC on January 24, 2019, which details the results of the October 2018 monitoring event. The discussion below describes trends in each well over time.

B6-OWD

Initially following treatment, levels of several VOCs increased in this monitoring well. During the six (6) subsequent sampling events (2014 through June 2017), concentrations of all cVOCs decreased to below groundwater standards. Since November 2017, PCE, TCE, 1,2-DCA, cis-1,2-DCE and trans-1,2-DCE concentrations have increased above groundwater standards.

GZ-21D

Initially following treatment, levels of several VOCs increased in this monitoring well. Since 2014, levels of all VOCs steadily decreased through November 2017 to below standards with the exception of 1,2-Dichloroethane (1,2-DCA). During 2018, concentrations of the following cVOCs have increased to levels above standards: 1,2-DCA, cis-1,2-Dichloroethene (cis-1,2-DCE), and vinyl chloride (VC). Total cVOCs decreased from May 2018 and are lower than the highest levels in 2014.

GZ-22D

PCE and TCE levels in groundwater at this monitoring well have decreased to below standards for the last eight (8) sampling events. All other cVOCs have decreased to levels below standards with the exception of 1,2-DCA, cis-1,2-DCE, and trans-1,2-Dichloroethene (trans-1,2-DCE) (Table 1). Concentrations of these cVOCs have remained relatively stable for the past seven (7) events spanning three (3) years, and total cVOCs have decreased to the lowest recorded levels since 2015.

GZ-23D

PCE and TCE concentrations in groundwater decreased significantly in early 2014. TCE concentrations have gradually increased since the end of 2014, and PCE concentrations have fluctuated (Table 1). Both have significantly decreased for this event from May 2018. VC, a degradation product of PCE and TCE, increased following the 2013 injections and has consistently decreased or remained stable since late 2015. Cis-1,2-DCE concentrations increased following the injections, and concentrations have been stable since May 2016. Total cVOCs in this well significantly decreased for this event from May 2018.

Offsite Wells

Offsite wells OSMW-3 and OSMW-4 were installed in 2011 upgradient of the site wells to determine upgradient groundwater quality. These well installations are upgradient of the treatment zone and may not reflect the same decreasing levels of VOCs observed onsite.

OSMW-3

Both PCE and TCE concentrations increased following the 2013 injections and have steadily decreased since 2014. PCE was recorded at a concentration of 3,600 µg/L in October 2018 and represents the highest recorded concentration since January 2012.

OSMW-4

All cVOCs have been below groundwater standards since 2014.

5.4 Monitoring Deficiencies

Monitoring activities fully complied with the approved monitoring plan.

5.5 Conclusions and Recommendations for Changes

A review of the groundwater monitoring data since the HRC injection indicates an overall decrease in the level of cVOCs in four (4) wells. Therefore, the remedy continues to achieve remedial goals at this Site. STERLING recommends groundwater monitoring continue on a semiannual schedule.

As cVOC levels in monitoring well OSMW-4 have consistently been reported at levels below standards, STERLING recommends sampling of this well be discontinued.

6.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

6.1 Compliance with SMP

All requirements of the SMP (IC/EC, monitoring) have been complied with for the reporting period.

6.2 Performance and Effectiveness of the Remedy

The results of the groundwater monitoring suggest that overall groundwater quality is improving and that concentrations of VOCs are decreasing with time. The data indicate that concentrations of VOCs decreased substantially in the source area. Groundwater analytical results further suggest that the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the Site (i.e., Restricted Commercial) have been satisfied.

Therefore, the remedy continues to achieve remedial goals established for this Site.

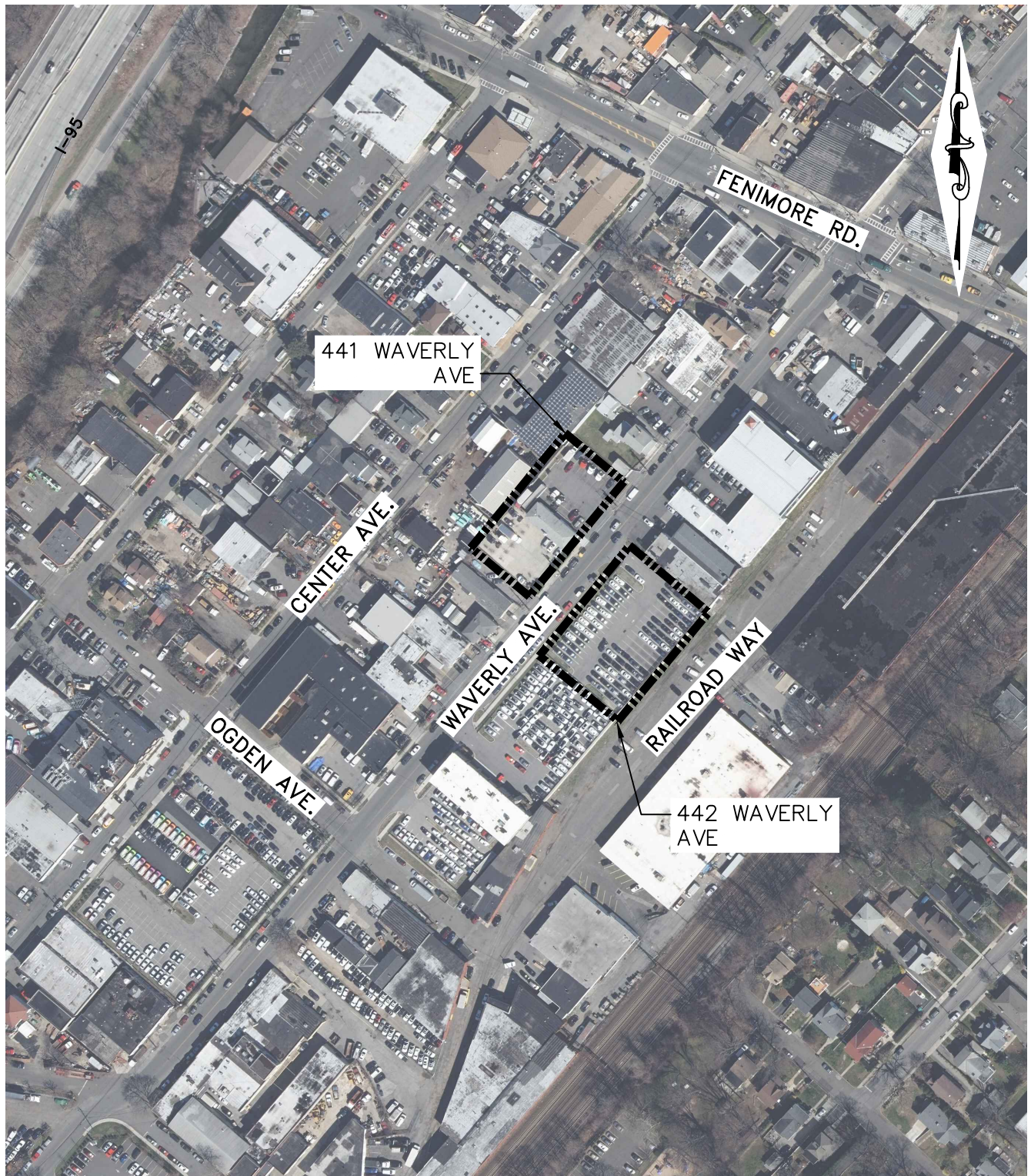
6.3 Future PRR Submittals

The frequency of submittal of future PRRs will remain on an annual basis.

7.0 IC AND EC CERTIFICATION FORM

The NYSDEC Institutional and Engineering Control Certification Form for the Site is presented in Appendix A.

FIGURES



MAP REFERENCE:

PROPERTY LINE LOCATIONS FOR 441 AND 442 WAVERLY AVENUE ARE BASED ON THE FIGURE PROVIDED BY GEO ENVIRONMENTAL, INC. ENTITLED "FORMER ARGUESO FACILITY" DATED SEPTEMBER 16, 2005.

AERIAL PHOTOGRAPH PROVIDED BY NEW YORK STATE GIS, (2016).

LEGEND:

■■■■■■■■■ APPROXIMATE PROPERTY BOUNDARY

FIGURE 1

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

SITE LOCATION MAP
441-442 WAVERLY AVENUE
SITE #C360108

NEW WAVERLY AVENUE ASSOCIATES, LLC

V/T OF MAMARONECK

WESTCHESTER CO., N.Y.

PROJ. No.: 28012	DATE: 01/29/19	SCALE: 1"=200'	DWG. NO. 28012105	FIGURE 1
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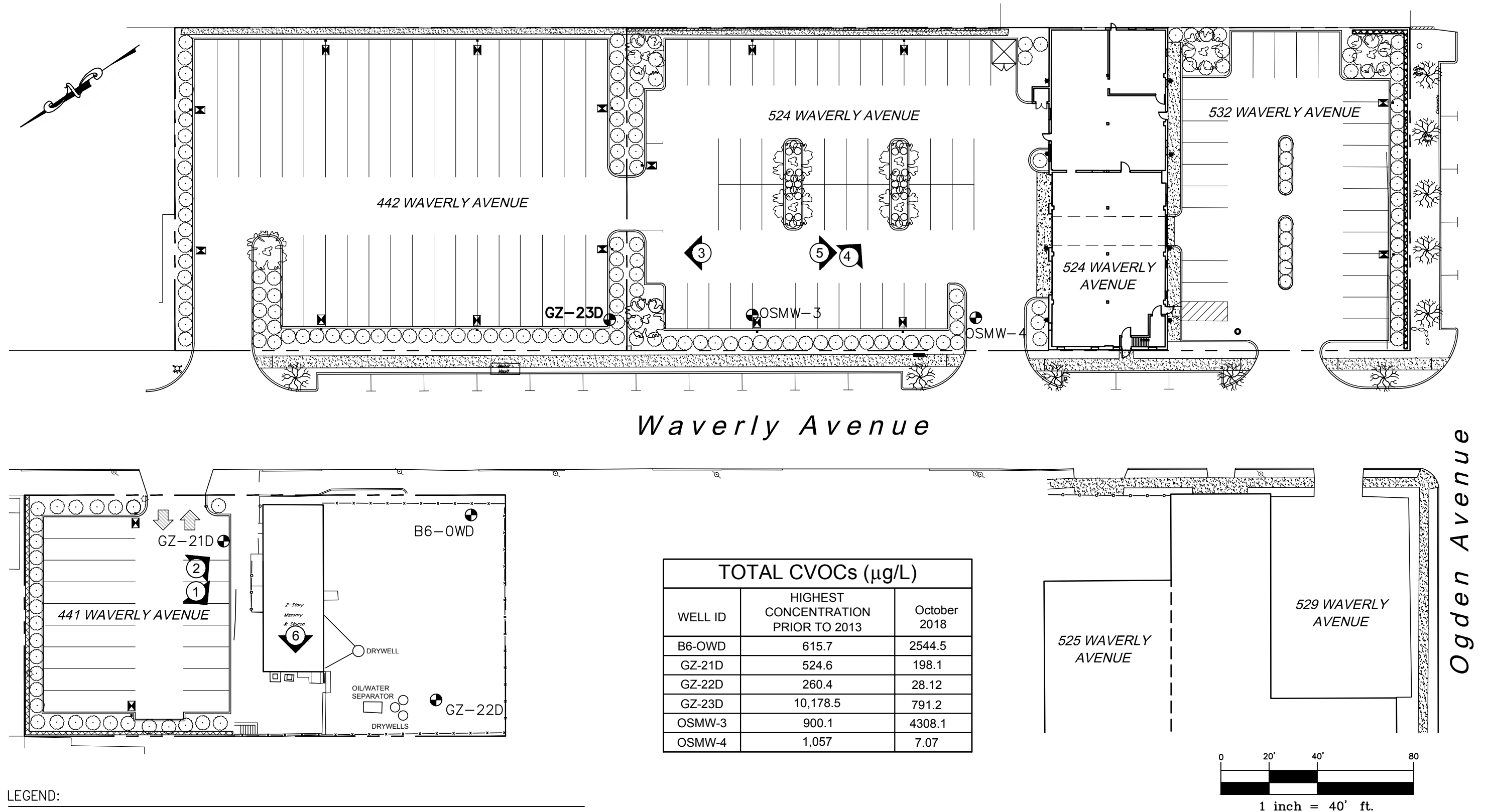


FIGURE 2

STERLING

Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

MONITORING WELL AND
PHOTO LOG LOCATION MAP OCTOBER 18, 2018
SITE# C360108
NEW WAVERLY AVENUE ASSOCIATES, LLC
V/T OF MAMARONECK WESTCHESTER CO., N.Y.

BASE MAP PROVIDED BY SITE DESIGN CONSULTANTS, DATED FEBRUARY 22, 2010.

PROJ. No.: 28012 | DATE: 1/17/2019 | SCALE: 1" = 40' | DWG. NO. 28012104 | FIGURE 2

TABLES & GRAPHS

Table 1
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location		441 Waverly Avenue																	
Sample ID	Water Quality Standard*	GZ-21D														DUP-1	DUP-1		
Unit	µg/L	µg/L														µg/L	µg/L		
Sample Date		08/20/09	01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	12/16/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	06/18/14	10/12/16	
Parameter																			
Chlorinated Volatile Organic Compounds:																			
1,1-Dichloroethane	5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<4.0	<2.5	
1,1-Dichloroethene	5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.5	<4.0	<0.50	
1,2-Dichloroethane	0.6	170 D	5.3	<5.0	190 D	190	4.1	0.4 J	54	55	28	48	11	11	140	52	190	56	
cis-1,2-Dichloroethene	5.0	270 D	10	7.6	310 D	290	5.6	<1.0	100	<2.5	0.83 J	3.5	<2.5	1.7 J	270	120	350	2.9	
trans-1,2-Dichloroethene	5.0	6.6	<5.0	<5.0	3.8	<5.0	<1.0	<1.0	0.99 J	0.86 J	<2.5	0.81 J	<2.5	<2.5	3.4 J	2.4 J	<4.0	0.75 J	
1,1,1-Trichloroethane	5.0	---	---	<5.0	<5.0	<5.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<4.0	<2.5	
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	---	<0.5	
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	---	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<6.0	<1.5	---	<1.5	
1,2-Dichloropropane	1.0	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	---	<1.0	
Bromochloromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	10	---	<2.5	
Bromodichloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	---	<0.5	
Carbon Tetrachloride	5.0	---	---	<5.0	<5.0	<5.0	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<4.0	<0.5	
Chloroethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	---	<2.5	
Chloroform	7.0	---	---	<5.0	<5.0	<5.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<4.0	<2.5	
Chloromethane	---	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	---	<2.5	
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	---	<0.5	
Dibromochloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	1.7 J	---	<0.5	
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	---	<5.0	
Freon-113	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	---	<2.5	
Methylene Chloride	5.0	---	---	<5.0	<5.0	5.4	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	<4.0	<2.5	
Trichlorofluoromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<10	<2.5	---	<2.5	
Tetrachloroethene	5.0	41	1.7 J	<5.0	9.8	3.4 J	0.89 J	1.0	0.18 J	<0.50	<0.50	<0.50	<0.50	0.19 J	<2.0	<0.5	2.9 J	<0.50	
Trichloroethene	5.0	33	0.58 J	<5.0	7.8	15	0.82 J	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<0.5	13	<0.50	
Vinyl chloride	2.0	4 J	<5.0	<5.0	4.3	<5.0	<1.0	<1.0	1.7	<1.0	0.43 J	<2.3	<1.0	0.59 J	19	12	<4.0	2.8	
TOTAL CVOCs		524.6	17.58	7.6	525.7	503.8	11.41	3.7	156.87	55.9	29.26	52.31	11	13.48	432.4	198.1	555.9	62.45	

Notes:

- BOLD**Indicates exceedance of Water Quality Standard
- *Groundwater Standards are obtained from Title 6 Part 703.5 and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
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- No standard or not applicable.
- DUP-1Duplicate sample collected from the indicated monitoring well.

Laboratory Qualifiers:

- DIndicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
- JIndicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

- jReported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UNot detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- J-The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
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Table 1, Cont.
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location		441 Waverly Avenue																
Sample ID	Water Quality Standard*	GZ-22D															DUP-1	DUP-1
Unit	µg/L	µg/L															µg/L	ug/L
Sample Date		08/19/09	01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	12/16/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	10/15/13	03/24/14
Parameter																		
<i>Chlorinated Volatile Organic Compounds:</i>																		
1,1-Dichloroethane	5.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.5	<25
1,1-Dichloroethene	5.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<25
1,2-Dichloroethane	0.6	22	17	16	24 J	<25	1.3	0.64 J	5.4	14	15	18	18	16	21	9.6	16	22 J
cis-1,2-Dichloroethene	5.0	8.4	6.5	12	110	<25	1.9	1.7	4.5	6.8	5.2	3.5	4.2	2.4 J	12	7	12	100
trans-1,2-Dichloroethene	5.0	<5.0	1.3 J	4.2 J	<25	<25	5.8	5.5	9.4	21	28	40	50	54	66	11	4.4 J	<25
1,1,1-Trichloroethane	5.0	---	---	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<25
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	---	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	---	---
1,2-Dichloropropane	1.0	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	---	---
Bromochloromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	---	---
Bromodichloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Carbon Tetrachloride	5.0	---	---	<5.0	<25	<25	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<25
Chloroethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	---	---
Chloroform	7.0	---	---	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<25
Chloromethane	---	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	---	---
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Dibromochloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	---	---
Freon-113	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	---	---
Methylene Chloride	5.0	---	---	<5.0	<25	19 J	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<25
Trichlorofluoromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	---	---
Tetrachloroethene	5.0	120	97	62	14 J	<25	2.1	0.88 J	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	0.62 J-	<0.50	60	21 J
Trichloroethene	5.0	110	92	89	29	<25	2.5	5.5	1.2	0.33 J	0.46 J	0.29 J	0.2 J	<0.50	3.7	0.52	88	34
Vinyl chloride	2.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<1.0	1.8	6.5	5.7	3.1	3.8 j	2.9	5.9	<1.0	<5.0	<25
TOTAL CVOCs		260.4	213.8	183.2	177	19	13.6	14.22	22.99	48.6	54.36	64.89	76.2	75.3	109.22	28.12	180.4	177

Notes:

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- No standard or not applicable.
- DUP-1Duplicate sample collected from the indicated monitoring well.

Laboratory Qualifiers:

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Data Usability Summary Report (DUSR) Qualifiers:

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Table 1, Cont.
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location	442 Waverly Avenue																
Well ID	Water Quality Standard*	GZ-23D															DUP-1
Unit	µg/L	µg/L															µg/L
Sample Date		08/20/09	01/11/12	10/15/13	03/25/14	06/19/14	09/25/14	11/05/14	06/24/15	12/17/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	06/13/17
Parameter																	
<i>Chlorinated Volatile Organic Compounds:</i>																	
1,1-Dichloroethane	5.0	<5.0	<5.0	<100	<1.0	<20	<20	<20	<25	<50	<25	<62	<50	<50	<25	<12	<50
1,1-Dichloroethene	5.0	5.5	1.6 J	<100	1.7	<20	<20	<20	1.9 J	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
1,2-Dichloroethane	0.6	13	9	<100	7.8	6.6 J	7.6 J	<20	3.6 J	<10	4.3 J	4.2 J	3.9 J	3.3 D,J	1.8 J	1.6 J	4.1 D,J
cis-1,2-Dichloroethene	5.0	10	780 D	380	2,200 D	930	1,100	1,100	780	1,000 j	400	320	280	220 D	240	660	290 D
trans-1,2-Dichloroethene	5.0	<5.0	9.1	<100	41	<20	<20	18 J	22 J	37 J,j	32	36 J	22 J	18 D,J	19 J	10 J	21 D,J
1,1,1-Trichloroethane	5.0	---	---	<100	<40	<20	<20	<20	<25	<50	<25	<62	<50	<50	<25	<12	<50
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	---	<5.0	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	---	<15	<30	<15	<38	<30	<30	<15	<7.5	<30
1,2-Dichloropropane	1.0	---	---	---	---	---	---	---	<10	<20	<10	<25	<20	<20	<10	<5.0	<20
Bromochloromethane	5.0	---	---	---	---	---	---	---	<25	<50	<25	<62	<50	<50	<25	<12	<50
Bromodichloromethane	50.0	---	---	---	---	---	---	---	<5.0	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
Carbon Tetrachloride	5.0	---	---	<100	<40	<20	<20	<20	<5.0	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
Chloroethane	5.0	---	---	---	---	---	---	---	<25	<50	<25	<62	<50	<50	<25	<12	<50
Chloroform	7.0	---	---	<100	<40	<20	<20	<20	<25	<50	<25	<62	<50	<50	<25	<12	<50
Chloromethane	---	---	---	---	---	---	---	---	<25	<50	<25	<62	<50	<50	<25	<12	<50
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	---	<5.0	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
Dibromochloromethane	50.0	---	---	---	---	---	---	---	<5.0	<10	<5.0	<12	<10	<10	<5.0	<2.5	<10
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	---	<50	<100	<50	<120	<100	<100	<50	<25	<100
Freon-113	5.0	---	---	---	---	---	---	---	<25	<50	<25	<62	<50	<50	<25	<12	<50
Methylene Chloride	5.0	---	---	<100	<40	<20	<20	<20	<25	<50	<25	<62	<50	<50	<25	<12	<50
Trichlorofluoromethane	5.0	---	---	---	---	---	---	---	<25	<50	<25	<62	<50	<50	<25	<12	<50
Tetrachloroethene	5.0	9,700 D	4,300 D	3,100	1,500 D	880	720	94	750	110 j	1,300	1,000	1,600	1,200 D	1,600	7.6	1,500 D
Trichloroethene	5.0	450 D,J	1,600 D	1,000	240 D	310	350	160	420	600 j	960	1,000	980	890 D	880	16	950 D
Vinyl chloride	2.0	<5.0	1.2 J	28 J	200 D	250	390	320	230 j	<20	200	82	72	58 D	40	96	71 D
TOTAL CVOCs		10,178.5	6,700.9	4,508	4,191	2,376.6	2,567.6	1,692	2,207.5	1,747	2,896.3	2,442.2	2,957.9	2,389.3	2,780.8	791.2	2,836.1

Notes:

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Table 1, Cont.
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location		441 Waverly Avenue																	
Well ID	Water Quality Standard*	B6-OWD															DUP-1	DUP-1	DUP-1
Unit	µg/L	µg/L															µg/L	µg/L	µg/L
Sample Date		08/21/09	01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	12/16/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	12/16/15	05/16/18	10/18/18
Parameter																			
Chlorinated Volatile Organic Compounds:																			
1,1-Dichloroethane	5.0	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<8.0	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
1,1-Dichloroethene	5.0	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<8.0	<0.50	<0.50	<0.50	<0.50	<1.0	<2.5	<10	<5.0	<0.50	<10	<5.0
1,2-Dichloroethane	0.6	9.7	<5.0	1.9 J	2.8	8.0	9.1	<8.0	0.36 J	<0.50	0.31 J	0.32 J	0.29 J	3.7 D	11	8.5	<0.50	9.1 J	9.4
cis-1,2-Dichloroethene	5.0	390 D	1.5 J	76	180 D	330	430 D	<8.0	1.3 J	1.1 J	2.4 J	2.1 J	1.8 J	150 D	390	360	1.2 J	330	380
trans-1,2-Dichloroethene	5.0	150	<5.0	6.8	7.2	8.4	14	<8.0	<2.5	<2.5	<2.5	<2.5	<5.0	6.0 J,D	22 J	16 J	<2.5	20 J	17 J
1,1,1-Trichloroethane	5.0	---	---	<5.0	---	<20	<4.0	<8.0	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<1.0	<2.5	<10	<5.0	<0.5	<10	<5.0
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	---	<1.5	<1.5	<1.5	<1.5	<3.0	<7.5	<30	<15	<1.5	<30	<15
1,2-Dichloropropane	1.0	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<20	<10	<1.0	<20	<10
Bromochloromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Bromodichloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<1.0	<2.5	<10	<5.0	<0.5	<10	<5.0
Carbon Tetrachloride	5.0	---	---	<5.0	---	<20	<4.0	<8.0	<0.5	<0.5	<0.5	<0.5	<1.0	<2.5	<10	<5.0	<0.5	<10	<5.0
Chloroethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Chloroform	7.0	---	---	<5.0	---	<20	4	<8.0	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Chloromethane	---	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<1.0	<2.5	<10	<5.0	<0.5	<10	<5.0
Dibromochloromethane	50.0	---	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<1.0	<2.5	<10	<5.0	<0.5	<10	<5.0
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	---	<5.0	<5.0	<5.0	<5.0	<10	<25	<100	<50	<5.0	<100	<50
Freon-113	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Methylene Chloride	5.0	---	---	<5.0	---	<20	<4.0	<8.0	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Trichlorofluoromethane	5.0	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<5.0	<12	<50	<25	<2.5	<50	<25
Tetrachloroethene	5.0	23	6.2	18	59	47	110	<8.0	2.4	2.1	2.4	2.6	2.6	190 D	1,200 J-	860	2.2	1,100 J-	950
Trichloroethene	5.0	43	2.1 J	41	170 D	180	330	<8.0	1.3	1.4	1.7	1.7	1.4	470 D	1,400	1,300	1.4	1,400	1,400
Vinyl chloride	2.0	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<8.0	<1.0	<1.0	0.27 J	0.28 J	0.2 j	<5.0	1.8 J	<10	<1.0	1.8 J	2.1 J
TOTAL CVOCs		615.7	9.8	143.7	419	573.4	893.1	ND	5.36	4.6	7.08	7	6.29	819.7	3,024.8	2,544.5	4.8	2,860.9	2,758.5

Notes:

- BOLD**Indicates exceedance of Water Quality Standard
- *Groundwater Standards are obtained from Title 6 Part 703.5 and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
- <Indicates the parameter was not detected at or above laboratory's reporting limit, shown.
- No standard or not applicable.
- DUP-1Duplicate sample collected from the indicated monitoring well.

Laboratory Qualifiers:

- DIndicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
- JIndicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

- jReported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UNot detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1, Cont.
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location		Offsite Monitoring Well															
Well ID	Water Quality Standard*	OSMW-3														DUP-1	DUP-1
Unit	µg/L	µg/L														µg/L	µg/L
Sample Date		01/10/12	10/16/13	03/24/14	06/19/14	09/24/14	11/05/14	06/24/15	12/17/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	11/05/14	11/14/17
Parameter																	
<i>Chlorinated Volatile Organic Compounds:</i>																	
1,1-Dichloroethane	5.0	<5.0	<80	<1.0	<20	<20	<50	<50	<100	<12	<25	<2.5	<25	<5.0	<62	<1.0	<25
1,1-Dichloroethene	5.0	<5.0	<80	<1.0	<20	<20	<50	<10	<20	<2.5	<5.0	0.46 J	<5.0	<1.0	<12	1.4	<5.0
1,2-Dichloroethane	0.6	4.4 J	<80	4.7	<20	<20	<50	<10	<20	3.8	4.2 J	5.2	4.5 J,D	1.7	<12	3.5	4.3 J,D
cis-1,2-Dichloroethene	5.0	14	31 J	46	100	220	210	180	120 j	92	63	40	39 D	17	200	210 D	39 D
trans-1,2-Dichloroethene	5.0	1.7 J	<80	3.7	<20	28	<50	25 J	<100	21	14 J	7.4	<25	<5.0	<62	26	7.1 J,D
1,1,1-Trichloroethane	5.0	---	<80	---	<20	---	<50	<50	<100	<12	<25	<2.5	<25	<5.0	<62	<1.0	---
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	<10	<20	<2.5	<5.0	<0.5	<5.0	<1.0	<12	---	---
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	<30	<60	<7.5	<15	<1.5	<15	<3.0	<38	---	---
1,2-Dichloropropane	1.0	---	---	---	---	---	---	<20	<40	<5.0	<10	<1.0	<10	<2.0	<25	---	---
Bromochloromethane	5.0	---	---	---	---	---	---	<50	<100	<12	<25	<2.5	<25	<5.0	<62	---	---
Bromodichloromethane	50.0	---	---	---	---	---	---	<10	<20	<2.5	<5.0	<0.5	<5.0	<1.0	<12	---	---
Carbon Tetrachloride	5.0	---	<80	---	<20	---	<50	<10	<20	<2.5	<5.0	<0.5	<5.0	<1.0	<12	<1.0	---
Chloroethane	5.0	---	---	---	---	---	---	<50	<100	<12	<25	<2.5	<25	<5.0	<62	---	---
Chloroform	7.0	---	<80	---	<20	---	<50	<50	<100	<12	<25	<2.5	<25	<5.0	<62	<1.0	---
Chloromethane	---	---	---	---	---	---	---	<50	<100	<12	<25	<2.5	<25	<5.0	<62	---	---
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	<10	<20	<2.5	<5.0	<0.5	<5.0	<1.0	<12	---	---
Dibromochloromethane	50.0	---	---	---	---	---	---	<10	<20	<2.5	<5.0	<0.5	<5.0	<1.0	<12	---	---
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	<100	<200	<25	<50	<5.0	<50	<10	<120	---	---
Freon-113	5.0	---	---	---	---	---	---	<50	<100	<12	<25	<2.5	<25	<5.0	<62	---	---
Methylene Chloride	5.0	---	<80	---	<20	---	<50	<50	<100	<12	<25	<2.5	<25	<5.0	<62	<1.0	---
Trichlorofluoromethane	5.0	---	---	---	---	---	---	<50	<100	<12	<25	<2.5	<25	<5.0	<62	---	---
Tetrachloroethene	5.0	760 D	1,900	2,400 D	1,300	2,600 D	3,400	1,500	1,200 j	670	470	620 D	750 D	220 J-	3600	2,900 D	760 D
Trichloroethene	5.0	120	280	330 D	440	1,000	1,000	610	480 j	290	230	170 D	220 D	110	500	900 D	220 D
Vinyl chloride	2.0	<5.0	<80	<1.0	<20	<20	<50	<1.4 j	<40	0.44 J	<10	0.14 J	<10	<2.0	8.1 J	<1.0	<10
TOTAL CVOCs		900.1	2,211	2,784	1,840	3,848	4,610	2,315	1,800	1,077	781.2	843.2	1,014	348.7	4308.1	4,041	1,030

Notes:

- BOLD** Indicates exceedance of Water Quality Standard
- * Groundwater Standards are obtained from Title 6 Part 703.5 and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
- < Indicates the parameter was not detected at or above laboratory's reporting limit, shown.
- No standard or not applicable.
- DUP-1 Duplicate sample collected from the indicated monitoring well.

Laboratory Qualifiers:

- D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
- J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

- j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- U Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

Table 1, Cont.
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Chlorinated Volatile Organic Compounds
Site #C360108

Location		Offsite Monitoring Well																	
Well ID	Water Quality Standard*	OSMW-4														DUP-1	DUP-1	DUP-1	DUP-1
Unit	µg/L	µg/L														µg/L	µg/L	µg/L	µg/L
Sample Date		01/10/12	10/16/13	03/25/14	06/18/14	09/24/14	11/05/14	06/24/15	12/17/15	05/12/16	10/12/16	06/13/17	11/14/17	05/16/18	10/18/18	01/10/12	09/24/14	06/24/15	05/12/16
Parameter																			
Chlorinated Volatile Organic Compounds:																			
1,1-Dichloroethane	5.0	<5.0	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<5.0	<1.0	<2.5	<2.5
1,1-Dichloroethene	5.0	<5.0	<5.0	<25	<25	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	<5.0	<1.0	<0.50	<0.50
1,2-Dichloroethane	0.6	1.1 J	<5.0	<25	<25	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.5	1.1 J	<1.0	<0.50	<0.50
cis-1,2-Dichloroethene	5.0	29	3.8 J	<25	<25	6.2	6.0	1.2 J	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	4.5	29	5.2	1.2 J	<2.5
trans-1,2-Dichloroethene	5.0	6.9	1 J	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	1.3 J	7.2	<1.0	<2.5	<2.5
1,1,1-Tricholoroethane	5.0	---	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	<1.0	<2.5	<2.5
1,1,2,2-Tetrachloroethane	5.0	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	<0.5	<0.5
1,1,2-Trichloroethane	1.0	---	---	---	---	---	---	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<3.0	<1.5	---	---	<1.5	<1.5
1,2-Dichloropropane	1.0	---	---	---	---	---	---	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	---	---	<1.0	<1.0
Bromochloromethane	5.0	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	<2.5	<2.5
Bromodichloromethane	50.0	---	---	---	---	---	---	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	<0.5	<0.5
Carbon Tetrachloride	5.0	---	<5.0	<25	<25	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	---	<1.0	<0.5	<0.5
Chloroethane	5.0	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	<2.5	<2.5
Chloroform	7.0	---	<5.0	<25	<25	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	<1.0	<2.5	<2.5
Chloromethane	---	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	<2.5	<2.5
cis-1,3-Dichloropropene	0.4	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	<0.5	<0.5
Dibromochloromethane	50.0	---	---	---	---	---	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	<0.5	<0.5
Dichlorodifluoromethane	5.0	---	---	---	---	---	---	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	---	---	<5.0	<5.0
Freon-113	5.0	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	<2.5	<2.5
Methylene Chloride	5.0	---	<5.0	<25	33	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	<1.0	<2.5	<2.5
Trichlorofluoromethane	5.0	---	---	---	---	---	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	<2.5	<2.5
Tetrachloroethene	5.0	790 D	11	<25	<25	3.4	3.2	0.44 J	<0.50	0.2 J,j	2.0	1.1	0.25 J	<1.0	0.25 J	730 D	3.4	0.48 J	0.19 J,j
Trichloroethene	5.0	230 D	15	<25	<25	6.0	4.5	1.0	0.56	0.53	1.1	0.57	<0.50	<1.0	0.48 J	220 D	5.5	1.1	0.58
Vinyl chloride	2.0	<5.0	<5.0	<25	<25	<1.0	<1.0	<0.07 j	<1.0	<1.0	<1.0	<1.0 j	<1.0	<2.0	0.54 J	<5.0	<1.0	<1.0 j	<1.0
TOTAL CVOCs		1,057	30.8	ND	33	15.6	13.7	2.6	0.56	0.73	3.1	1.67	0.25	ND	7.07	987	14.1	2.78	0.77

Notes:

- BOLD**Indicates exceedance of Water Quality Standard
- *Groundwater Standards are obtained from Title 6 Part 703.5 and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
- <Indicates the parameter was not detected at or above laboratory's reporting limit, shown.
- No standard or not applicable.
- DUP-1Duplicate sample collected from the indicated monitoring well.

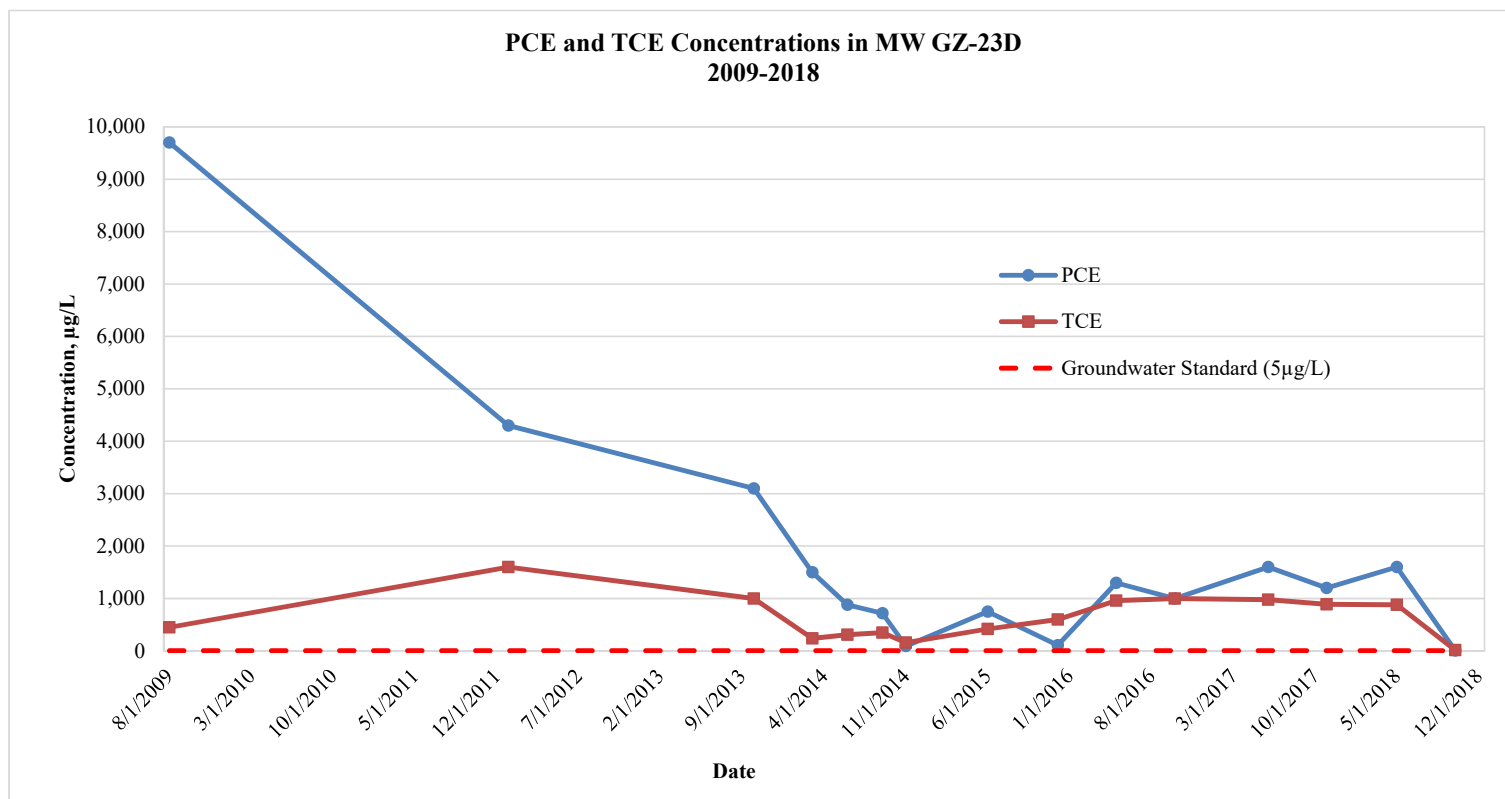
Laboratory Qualifiers:

- DIndicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
- JIndicates the concentration shown is an estimated value because the compound was detected below the reporting limit.

Data Usability Summary Report (DUSR) Qualifiers:

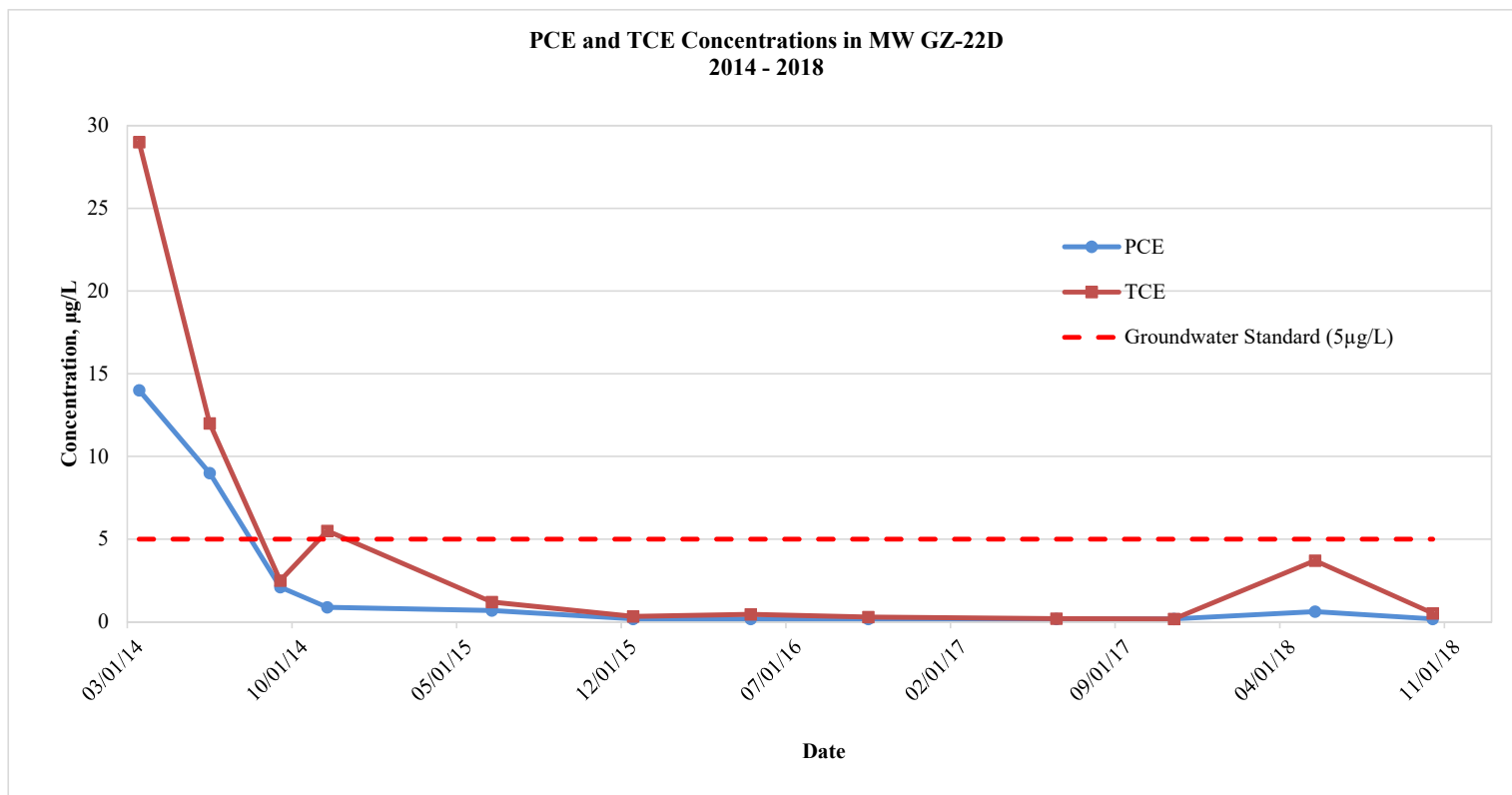
- jReported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
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- J-The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- UJThe analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



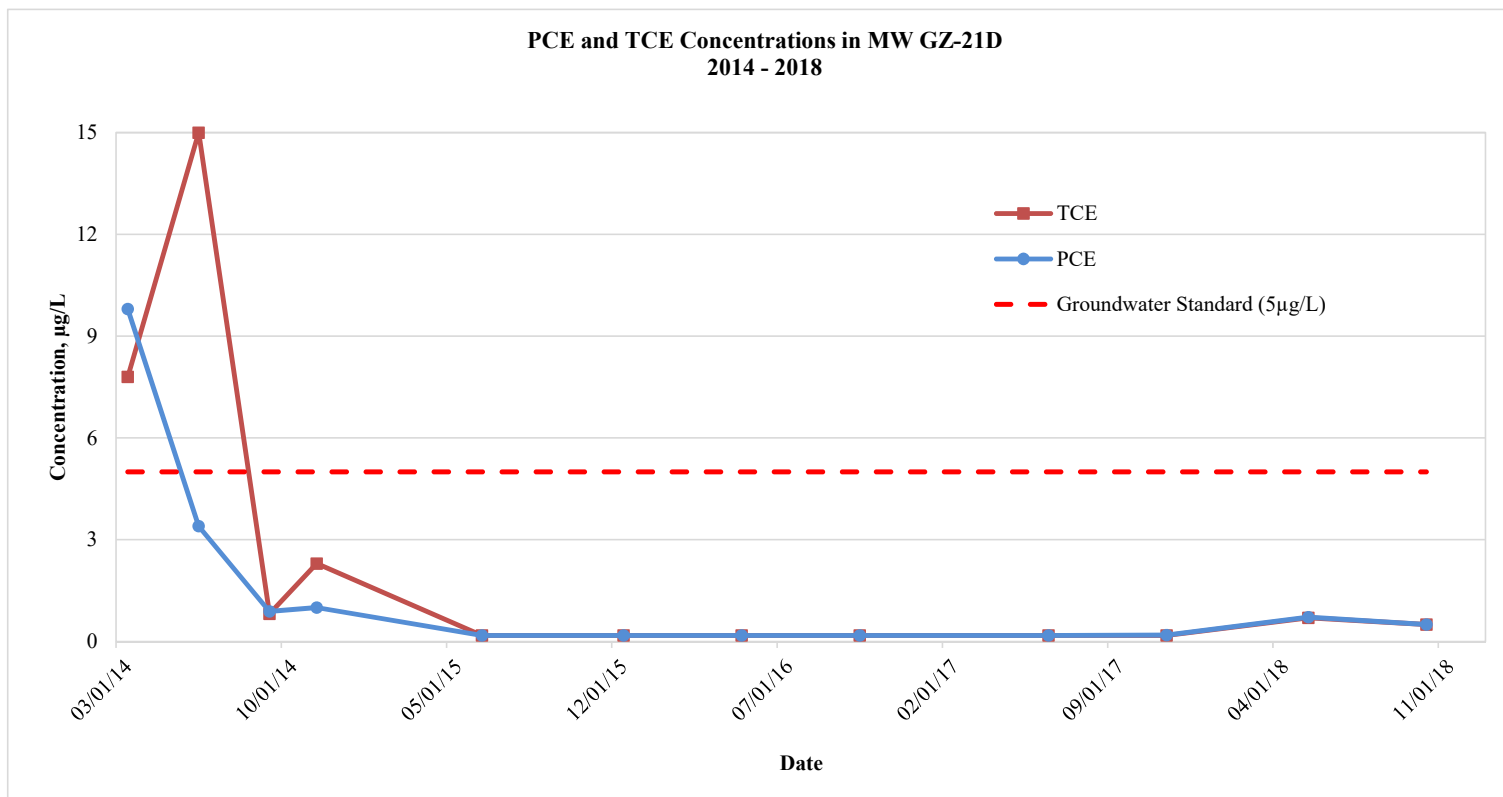
Note: Non Detect results are represented by the laboratory Method Detection Limit.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



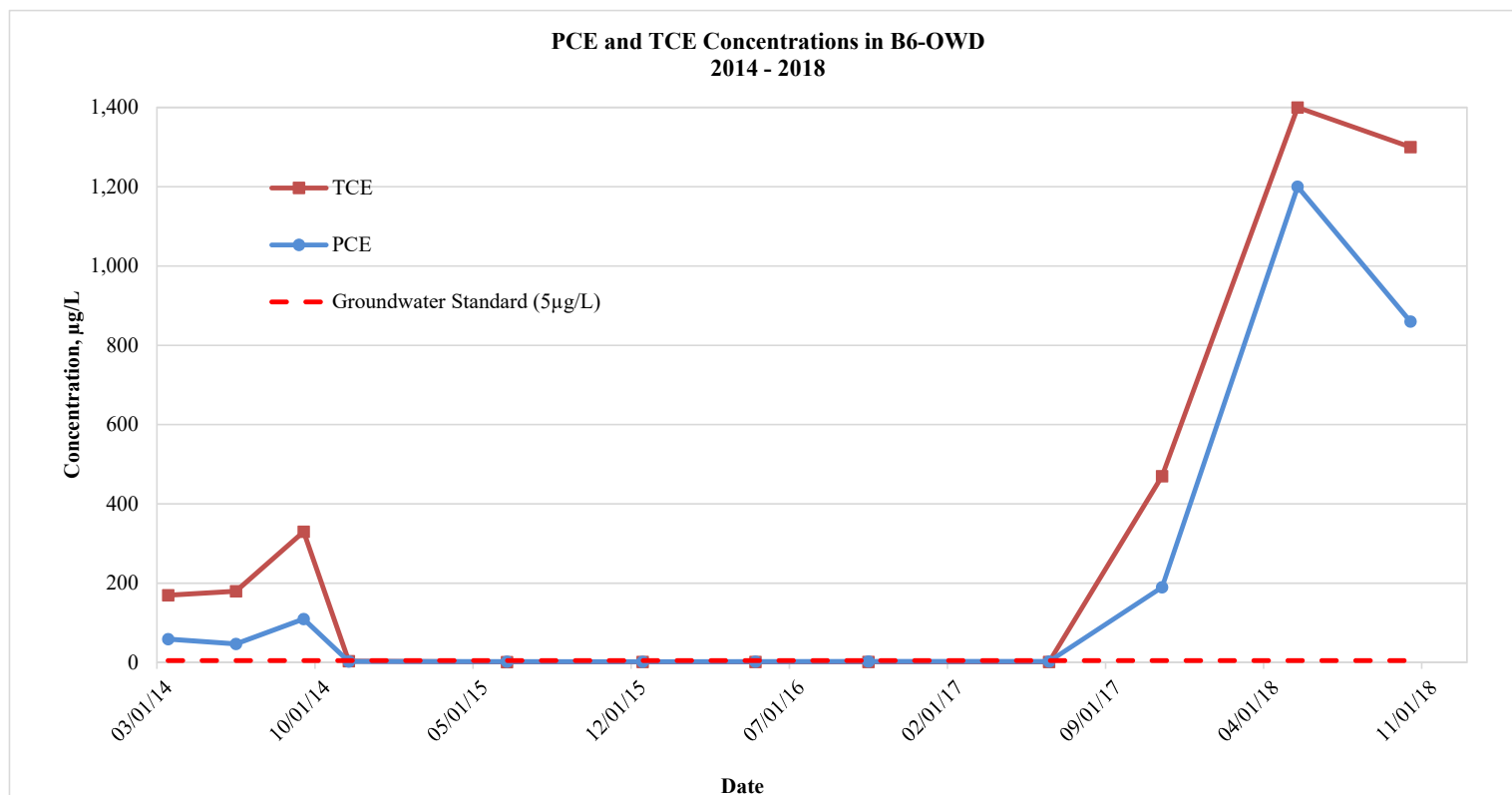
Note: Non Detect results are represented by the laboratory Method Detection Limit.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



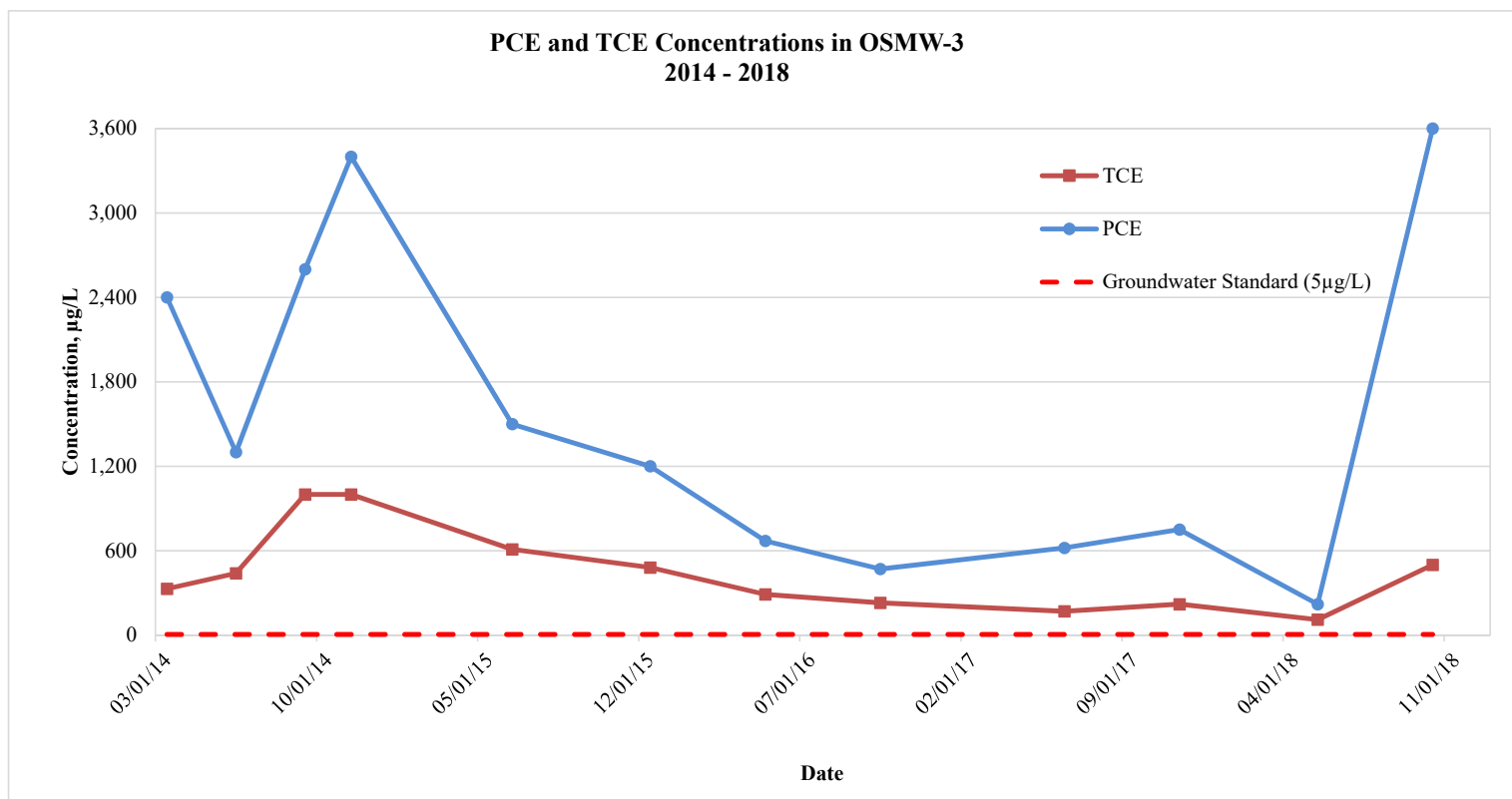
Note: Non Detect results are represented by the laboratory Method Detection Limit.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



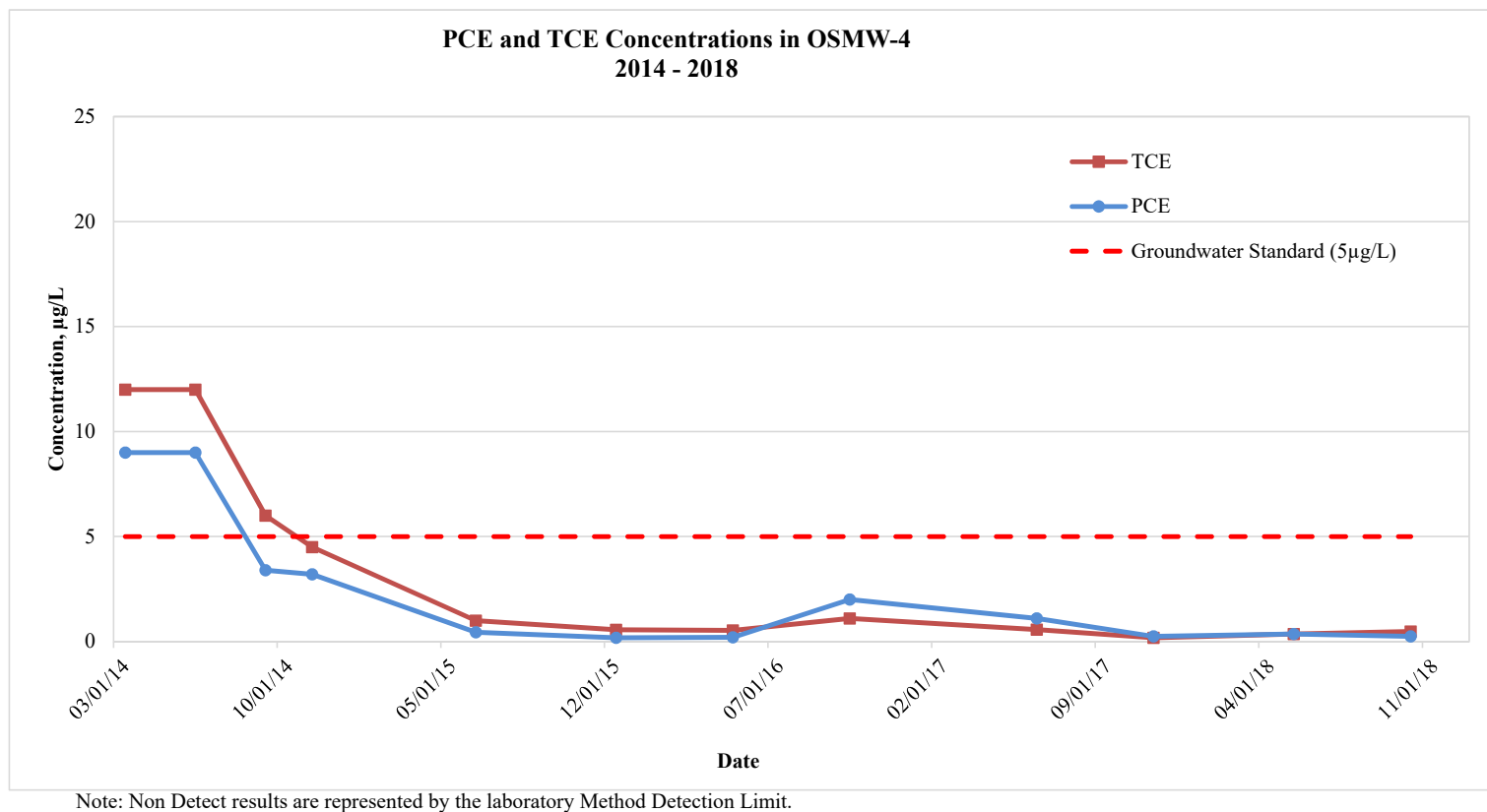
Note: Non Detect results are represented by the laboratory Method Detection Limit.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



Note: Non Detect results are represented by the laboratory Method Detection Limit.

PCE and TCE Graphs
441 and 442 Waverly Avenue
Site #C360108



APPENDIX A

**NYSDEC INSTITUTIONAL AND ENGINEERING
CONTROLS CERTIFICATION FORM**



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details		Box 1
Site No.	C360108	
Site Name Former M. Argueso and Co., Inc		
Site Address: 441, 442, 501, 513 Waverly Avenue		Zip Code: 10543
City/Town: Mamaroneck		
County: Westchester		
Site Acreage: 1.0		
Reporting Period: January 15, 2018 to January 14, 2019		
		YES NO
1. Is the information above correct?		<input checked="" type="checkbox"/> <input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/> <input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?		<input type="checkbox"/> <input checked="" type="checkbox"/>

		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial		<input checked="" type="checkbox"/> <input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/> <input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
A Corrective Measures Work Plan must be submitted along with this form to address these issues.		
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date

		Box2A
		YES NO
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	
	If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.	X
9.	Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X
	If you answered NO to question 9, the Periodic Review Report must Include an updated Qualitative Exposure Assessment based on the new assumptions.	

SITE NO. C360108	Box 3
Description of Institutional Controls	
<p>The institutional control for the site consists of an Environmental Easement (EE) that includes groundwater use restrictions, land use restrictions, a SMP, and certification reporting. The EE prohibits the use of the property for any means other than the contemplated restricted commercial use of the Site. The EE also restricts groundwater use and requires that any impacted soil encountered during future intrusive activities be managed and disposed according to State regulations. Finally, the EE requires compliance with the SMP, including the periodic reporting covered by this report. The EE for the property that outlines these use restriction was filed in Westchester County (Document No. 523243327).</p> <p>The potential for vapor intrusion must be evaluated for any buildings developed on the Site property and prior to the leasing of 441 Waverly Avenue for human occupation (as compared to storage) and any potential impacts that are identified must be monitored or mitigated.</p>	

Parcel	Owner	Institutional Control
8-25-268.2	New Waverly Avenue Associates, LLC	<p>Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan</p> <p>(1) The controlled property may be used for commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and industrial use as described In 6 NYCRR Part 375-1.8(g)(2)(iv);</p> <p>(2) All engineering controls must be operated and maintained as specified in the Site Management Plan (SMP);</p> <p>(3) All engineering controls must be inspected at a frequency and in a manner defined in the SMP;</p> <p>(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposed, and the user must first notify and obtain written approval to do so from the Department;</p> <p>(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;</p> <p>(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;</p> <p>(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;</p> <p>(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;</p> <p>(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP; and</p> <p>(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.</p>
8-25-273	New Waverly Avenue Associates, LLC	<p>Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan</p> <p>(1) The controlled property may be used for commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and industrial use as described In 6 NYCRR Part 375-1.8(g)(2)(iv) ;</p> <p>(2) All engineering controls must be operated and maintained as specified in the Site Management Plan (SMP);</p> <p>(3) All engineering controls must be inspected at a frequency and in a manner defined In the SMP;</p> <p>(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposed, and the user must first notify and obtain written approval to do so from the Department;</p> <p>(5) Groundwater and other environmental or public health monitoring must be performed as defined In the SMP;</p>

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP; and

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

8-25-278

New Waverly Avenue Associates, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

(1) The controlled property may be used for commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

(2) All engineering controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All engineering controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water-quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposed, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP; and

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

8-25-33

New Waverly Avenue Associates, LLC

Ground Water Use Restriction
Soil Management Plan
Monitoring Plan
Site Management Plan
IC/EC Plan

Landuse Restriction

(1) The controlled property may be used for commercial use as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and industrial use as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

- (2) All engineering controls must be operated and maintained as specified in the Site Management Plan (SMP);
- (3) All engineering controls must be inspected at a frequency and in a manner defined in the SMP;
- (4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposed, and the user must first notify and obtain written approval to do so from the Department;
- (5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- (6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- (7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- (8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- (9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP; and
- (10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Box4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
8-25-268.2	Cover System
- asphalt/soil cover system over the site	
8-25-273	Cover System
- asphalt/soil cover system over the site	
8-25-278	Cover System
- asphalt/soil cover system over the site	
8-25-33	Cover System
- asphalt/soil cover system over the site	

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

X

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C360108

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I TJ Mib at 566 Westchester Ave
print name print business address

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Jhm

2/05/2019

Signature of Owner, Remedial Party or Designated Representative
Rendering Certification

Date

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Sterling Environmental Engineering, P.C.

I Mark P. Millspaugh, P.E. at 24 Wade Road, Latham, NY 12110
print name print business address

am certifying as a Consultant for the New Waverly Avenue Associates, LLC
(Owner or Remedial Party)



A handwritten signature in black ink, appearing to read "Mark P. Millspaugh", written over a horizontal line.

Signature of , for the Owner or Remedial Party,
Rendering Certification

2/15/14
Date

APPENDIX B

SITE-WIDE INSPECTION AND ASPHALT AND SOIL COVER SYSTEM INSPECTION FORMS AND PHOTOGRAPHS

**441/442 WAVERLY AVENUE, MAMARONECK, NEW YORK
SITE #C360108**

SITE-WIDE INSPECTION FORM

Date: 10/18/18

Inspected By: Stefan Truex (Sterling Environmental Engineering, P.C.)

Site Property Item	Condition		Remarks
	Acceptable	Not Acceptable	
1. Asphalt Cover	X		OK, no visible cracks
2. Building slab (441 Waverly Ave.)	X		OK, no visible cracks
3. Light Pole Islands / Soil Cover	X		OK
4. Stormwater Catch Basins	X		Free of debris, OK
5. Entrance/Exit Ramps	X		OK
6. Retaining Walls	X		OK
7. Fences and Gates	X		Gates are in good condition, able to be secured

**441/442 WAVERLY AVENUE, MAMARONECK, NEW YORK
SITE #C360108**

ASPHALT AND SOIL COVER SYSTEM INSPECTION FORM

Inspector: Stefan Truex (Sterling Environmental Engineering, P.C.)

Date: October 18, 2018

1. Describe cover system condition and list needed repairs (note location and photograph*).

a. Asphalt – Inspect for cracks, potholes, and other penetrations:

Asphalt is in good condition. No cracks or potholes were observed. See photograph #'s 1-5

b. Curbed lighting areas, retaining walls, and other miscellaneous areas – Inspect for signs of erosion

Curbed lighting areas and retaining walls are in good condition. No obvious signs of erosion or concerns were noted. See photograph #'s 3-5

c. Building Slab at 441 Waverly Avenue – Inspect for cracks and penetrations

Building slab was in good condition. No visible cracks were observed in the tile floor. Building is currently unoccupied.

2. Indicate corrective actions to be taken for any and all above noted deficiencies. Note who completed the repair and date completed:

No deficiencies noted

*Photograph log attached



Photograph 1: Onsite pavement is in good condition with no evidence of penetrations or major cracks.



Photograph 2: Onsite pavement is in fair condition with no evidence of penetrations or major cracks.
Some minor cracks in pavement observed.



Photograph 3: Curbed lighting areas and retaining walls are in good condition with no evidence of erosion or cracks.



Photograph 4: Curbed areas and asphalt cover system are in good condition with no evidence of erosion or cracks.



Photograph 5: Curbed areas and asphalt cover system are in good condition with no evidence of erosion or cracks.