Pass & Seymour (P&S) Boyd Ave Site
ONONDAGA COUNTY, NEW YORK

PERIODIC REVIEW REPORT

NYSDEC BROWNFIELD Site Number C734102

Prepared for:
Pass and Seymour, Inc.
50 Boyd Avenue
Solvay, New York

Prepared by:
DW Stoner & Associates, LLC
9715 North Marina Drive
Sebastian, Florida

May 2020

CERTIFICATION

I, David W. Stoner am a Professional Geologist, licensed in New York State, and I certify that the following statements are true:

a) the institutional controls and/or engineering controls employed at this site are unchanged from the date the controls were put in place, or last approved by DER;

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

c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for these controls; and

d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of these controls

May 28, 2020

David W. Stoner, P.G. Date

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GUIDANCE FOR PASS & SEYMOUR TO MAINTAIN COMPLIANCE WITH BROWNFIELD PROGRAM

1.0 EXECUTIVE SUMMARY

A Periodic Review Report (PRR) is required on a regular basis to verify that the Site Management Plan (SMP) for a brownfield site is being followed.

The Pass and Seymour Boyd Ave site (the site) received a Certificate of Completion (COC) in December 2010. The SMP outlined a number of steps to be followed and reported on in the PRR. The most notable elements of the SMP that are addressed in this report are (1) maintenance of the subslab depressurization system, (2) maintenance of institutional and engineering controls, and (3) groundwater monitoring to demonstrate whether elevated concentrations of the primary contaminants of concern are declining and that groundwater contamination is not migrating off-site. Since the SMP was originally drafted, significant changes have been made to the groundwater monitoring program. At the request of the NYSDEC an amendment to the SMP was prepared, dated February 2020. This amendment reflects changes that have been made to the groundwater monitoring program, including a reduction in the number of wells sampled, and the frequency of sampling.

In this report it is documented that the SSD system is operating satisfactorily. The institutional controls have been monitored and the cover systems (slabs, pavement and earthen materials) have been maintained and an active program of vegetation removal has been diligently followed by Pass and Seymour. Groundwater monitoring performed after the initial injection of permanganate in 2010 indicated that a decline in chlorinated organics was occurring but not to the extent that groundwater remediation could be deemed complete. Subsequent to the submittal of the PRR in 2012 it was agreed that a second phase of permanganate injection was warranted in order to enhance the chemical oxidation of chlorinated volatile organic compounds (CVOC's) in groundwater. In 2012 a workplan for supplemental permanganate injection was submitted, approved by DEC and implemented before the end of that year.

Despite two rounds of groundwater treatment with sodium and potassium permanganate, some wells completed in Area of Concern (AOC) 1 showed persistent elevated concentrations of chlorinated organic compounds, most notably Trichloroethene (TCE). Based on a soil vapor testing program and subsequent soil borings and soil testing a soil removal program to target sources of residual TCE was devised and implemented in late 2018, in accordance with an approved workplan. That soil removal program was described in section 3.0 of the PRR submitted in 2019.

2.0 SITE OVERVIEW

Pass and Seymour entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in March 2005 to investigate and remediate an 18.07 acre property located in the Village of Solvay, Onondaga County, New York. The site was issued a Certificate of Completion (COC) in December 2010.

As required by the Certificate of Completion the site must be monitored and maintained in accordance with the Site Management Plan finalized in November 2010 and amended in 2020.

The purpose of the Site Management Plan is to describe the methodologies for monitoring and maintaining the site as required, demonstrating that institutional and engineering controls are being maintained and that groundwater contamination on-site is continuing to respond to the implementation of in-situ chemical oxidation in three Areas of Concern, as well as soil removal in AOC-1.

This Periodic Review Report is intended to report on the Monitoring and Maintenance of the site that has occurred since March 2019 when the last Periodic Review Report was submitted.

3.0 SOIL REMOVAL

As described in the 2019 PRR a series of investigations lead to a targeted removal of impacted soil from the AOC-1 area with the bulk of the soil removed from an area immediately to the east of the former manufacturing building foundation.

3.1 IMPACTED SOIL

A total of 35 tons of impacted soil was removed from an area centering on the location of soil boring SB-11, from an excavation extending about 50 feet north-south and 20 feet east-west. Based on a rough estimate approximately 85 pounds of TCE were retained in the 35 tons of soil removed.

4.0 EVALUATION OF CHEMICAL OXIDATION AND SOIL REMOVAL EFFECTS ON GROUNDWATER

As described in previous reports two rounds of chemical oxidation have been completed using potassium permanganate and sodium permanganate. Further investigation suggested that solvent contamination may be present in the AOC-1 area, above the water table. Targeted soil removal was completed to remove source material.

4.1 AOC-1

Monitoring wells that continue to be sampled in AOC-1 are primarily completed in bedrock, with the exception of MW05-10, a well completed in the overburden immediately above bedrock. Of the three quarters during which MW05-10 was sampled in 2019 the Trichloroethene concentration was 59 ppm in the first quarter and too dry to sample for quarter two and three.

Soil removal was begun in September 2018 and completed in early December 2018. The excavation in area SB-11 was open for about a month pending testing and approval of the disposal option. During that period of time about one foot of rain fell, surcharging the subsurface and mobilizing contamination. The results of that artificial recharge were a substantial increase in concentrations in AOC-1 wells. BR09-37, the closest downgradient well, had a TCE concentration of 120,000 ppb in the fourth quarter of 2018.

The elevation in chlorinated organics observed in BR09-37 was also observed in wells BR10-46 and BR10-47 but those elevated values generally decline through the course of 2019. BR09-37 slowly declined from 120,000 ppb TCE at the end of 2018 to 75,000 ppb in the third quarter of 2019. BR10-47 declined significantly over the course of 2019 from the high value observed in the fourth quarter of 2018 of 2300 ppb to values through 2019 ranging from 8.8 to 240 ppb. BR10-46 was more variable ranging from 350 to 4000 ppb over the same time period. As postulated in the PRR for 2019 the peak in concentrations observed in AOC-1 wells after soil excavation were the result of enhanced recharge occurring via the open excavation. We expect the elevated TCE concentrations to continue to decline. Some quarter to quarter variability can be expected such as what has been observed in BR10-46.

Wells BR08-33, 34 and 35 were installed to monitor for downgradient, offsite impact. No impact has ever been detected in these wells.

4.2 AOC-2

As shown in Figure 1 AOC-2 is an area encompassing the northeast section of the property with five wells included in the annual monitoring program; OB09-36, OB09-38. IW2-1, IW2-3 and OW2-2. The wells with the highest Pre- ISCO concentrations were IW2-1, IW2-3 and OW2-2 with starting concentrations between 1200 and 6000 ppb of TCE. TCE concentrations in these wells have declined two orders of magnitude. The other two wells have TCE concentrations over the last year of less than 35 ppb.

4.3 LANDFILL MONITORING WELLS

Two wells were installed in an area historically used as a landfill to verify that low concentrations of Perchloroethene (PCE) TCE and DCE are maintained or have decreased. In the case of these two wells, unlike the rest of the site, the highest

concentrations of chlorinated organic compounds are PCE. Nevertheless the PCE concentrations and TCE concentrations have been low and slightly declining with PCE concentrations over the last year between 3.2 and 38 ppb.

5.0 INSTITUTIONAL / ENGINEERING CONTROLS

As described in the approved Site Management Plan (November 2010), the site is subject to both institutional controls and engineering controls in order to avoid potential future uses that could allow for human health exposure to site contamination.

5.1 INSTITUTIONAL CONTROLS

The Environmental Easement for this site and the Certificate of Completion limit the use of this site to commercial use. While the site has been used historically for industrial activities, the current use has been and continues to be of a commercial nature. This use has not changed since the Certificate of Completion was issued.

5.2 ENGINEERING CONTROLS

Two forms of engineering controls were put in place at the Pass and Seymour site: a soil cover system and a subslab depressurization system.

5.2.1 ENGINEERING COVER SYSTEM

The engineering cover system (Figure 2) is comprised of (1) pre-existing cover of asphalt pavement or concrete and (2) constructed soil cover. During the excavation of soil in areas SB-11 and SB-12 the engineered cover system was removed but after excavation was complete the demarcation layer was reestablished and the crushed stone surface layer was replaced. Much of the western portion of the site (former building slabs) is also fenced and that fence has been maintained.

There is persistent vegetative growth over much of the western portion of the site particularly the former location of the manufacturing building. Pass and Seymour has conducted an aggressive program of woody vegetation removal and has retained a licensed herbicide applicator to further control vegetative growth. The herbicides used have short half-lives and have been demonstrated not to significantly migrate.

As previously noted Pass and Seymour has constructed a solar array on an area of lawn south of the existing office building. This is an area that did not include engineering controls. The solar panels sit on a base of crushed stone over geotextile.

5.2.2 SUBSLAB DEPRESSURIZATION SYSTEM (SSDS)

As described in the Final Engineering Report and the Site Management Plan, a subslab depressurization system was installed to prevent the migration of volatile organics from the subsurface to the occupied Pass and Seymour

building. Pass and Seymour personnel have implemented a periodic (at least monthly) inspection of the two manometers and one pressure gauge that demonstrate that adequate vacuum is being applied at each suction point. The following table (Table 4) shows the monthly readings from each gauge.

TABLE 4: Monthly Subslab Depressurization System Pressure Gauge Readings (Inches of W.C.)

Reading Date	S1 (Lab)	S2 (Northside)	S3 (East)
01/2019	3.7	5	2.1
02/2019	3.7	5	2.3
03/2019	3.9	4	2.3
04/2019	3.9	5	2.4
05/2019	4	5	3
06/2019	3.8	4	3
07/2019	3.7	4	2.9
08/2019	3.7	4	3
09/2019	3.6	4	3
10/2019	3.6	5	2.4
11/2019	3.6	4	3
12/2019	4	4	2.7

It should be noted that the reported readings are negative pressure, or vacuum readings. The minimum vacuum required is -.002 WC (inches of water) as compared with the lowest reported reading of -2.1 WC.

The piping, connections and blowers were inspected and the system is in good working order. No equipment repairs are needed at this time.

5.3 EXCAVATION WORKPLAN

An excavation workplan was included as an attachment to the approved SMP. The primary purpose of the excavation workplan is to serve as a guide for any activities that cause a disturbance of the subsurface in any area within the Brownfield site boundaries. Areas where the engineering control was in place were excavated in locations SB-11 and SB-12. Those excavations were backfilled with excavated material, clean fill, the demarcation layer was replaced and the engineering cover reestablished.

In order to make sure that the SMP and its attachments are followed closely, a brief checklist has been produced for use by Pass and Seymour personnel and their contractors. The purpose of the checklist is to provide site personnel with a short list of important steps to be followed as necessary to maintain compliance with the SMP. A copy of that checklist is attached.

6.0 MONITORING PLAN COMPLIANCE REPORT

6.1 GROUNDWATER MONITORING

The quarterly groundwater monitoring has been completed in compliance with the Site Management Plan, and the results presented in quarterly reports and the trends described in section 4.0 of this report. One of the AOC-1 overburden wells (MW05-02) was removed during the excavation of soil along with two of the AOC-1 bedrock wells (OW1-2 and OW1-3). An amendment to the Site Management plan was submitted in February 2020. . A total of eighteen wells are included in the amended groundwater monitoring program (Figure 1 attached). One group of wells is to be sampled annually per the methods described in the original SMP and to be tested for the parameters included in the SMP. The second group of wells will be sampled semiannually in accordance with approved methods and parameters.

On a semi-annual basis, in the first and third quarter of the year AOC-1 wells OW1-1, OW1-4, BR09-37, BR09-39, BR10-46 and BR10-47 will be sampled plus AOC-2 wells IW2-1 and IW2-3.

On an annual basis, in the third quarter the wells listed above will be sampled in addition to AOC-1 overburden well MW05-10 plus AOC-2 wells OW2-2, OB09-36, and OB09-38. The western landfill wells MW05-21 and BR07-31 will be sampled in the third quarter. Groundwater site wells BR07-32, BR08-33, BR08-34, and BR08-35 will continue to be sampled on an annual basis.

Two quarterly groundwater monitoring reports will be submitted to NYSDEC and NYSDOH for the first and third quarter.

6.2 SSDS MONITORING

As noted in previous sections the SSDS system has been inspected regularly. The system is in good condition and operating properly. The pressure measurements at all three points are satisfactory.

7.0 OPERATIONS AND MAINTENANCE

As described in the Site Management Plan the operations and maintenance tasks relate to the subslab depressurization system.

As discussed in section 5.2.2 Pass and Seymour personnel are responsible for taking monthly pressure readings of the three suction points and periodically inspecting the piping and blower. All systems are operating properly.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the observations and measurements taken since the Certificate of Completion, the following conclusions and recommendations are offered.

8.1 SSDS SYSTEM PERFORMANCE

Based on inspections and measurements this system appears to be operating properly. On-going pressure gauge readings will continue.

8.2 ENGINEERING AND INSTITUTIONAL CONTROLS

Institutional controls (use restrictions) continue to be maintained. Engineering controls that were disturbed during soil removal have been replaced. Vegetation removal will continue to be done at least annually. A licensed herbicide applicator is controlling vegetative growth as needed.

8.3 GROUNDWATER QUALITY

Two Areas of Concern, plus groundwater wells in the former landfill area have been monitored in conformance with the SMP and as modified by the February 2020 Amended Site Management Plan.

The following conclusions and recommendations are provided based on the data included in section 3.0.

- Western landfill. The groundwater quality reflects relatively minor exceedances of Groundwater standards, for PCE, TCE and DCE. Concentrations of CVOC's in both Well MW 05-21 and BR07-31 have remained relatively stable or declined. As described in the Amended SMP these wells will be sampled once per year, in the third quarter.

- AOC-1

  Two phases of permanganate injection have been completed with the majority of the oxidant targeting AOC-1 bedrock plus BR 10-46 and 47. Soil removal was also completed in AOC-1 late in 2018. Concentrations of AOC-1 wells increased significantly after the soil excavation as a result of enhanced recharge. Throughout 2019 concentrations of TCE and related compounds have declined, for the most part, as the effects of enhanced recharge have dissipated. All of the overburden wells in AOC-1 have been eliminated from the monitoring program, with the exception of MW05-10, which has either been dry or exhibited relatively low TCE concentrations.

- AOC-2

The wells in AOC-2 have generally declined very significantly in response to the injection of permanganate. Over the course of 2019 concentrations in all five of the wells sampled in AOC-2 have declined to less than 40 ppb TCE.

9.0 SUGGESTED 2020 GROUNDWATER MONITORING

A reduced monitoring program has been described in the Amended Site Management Plan. This plan will be carried out through the course of 2020 to demonstrate that CVOC concentrations in groundwater continue to decline or stabilize at relatively low values.

FIGURES

Legend:

MW05-26 — Location and Identification of monitoring well sampled as part of post-ISCO monitoring

Sample ID	
	Date Sampled
Analyte	Concentration (ug/L)

Analytical results of Chlorinated VOCs in groundwater
Heavy outline indicates concentration exceeds Class GA Groundwater Standards

PCE - Tetrachloroethene
TCE - Trichloroethene
cis-DCE - cis-1,2-Dichloroethene

ND - Analyzed for but not detected above laboratory detection limits
NS - Not sampled as part of this sampling event

BR07-32, BR08-33, BR08-34, and BR08-35 are sampled annually during the 3rd quarter

BR10-46	Pre-ISCO	Sep-19
PCE	ND	6.4
TCE	9500	4000
cis-DCE	560	480

BR10-47	Pre-ISCO	Sep-19
PCE	ND	ND
TCE	6500	240
cis-DCE	290	32

BR08-34	Pre-ISCO	Sep-19
CVOCs		NS

BR08-33	Pre-ISCO	sep-19
CVOCs		NS

BR08-35	Pre-ISCO	Sep-19
CVOCs		NS

OB09-36	Pre-ISCO	Sep-19
TCE	140	16
cis-DCE	12	ND

OW2-2	Pre-ISCO	Sep-19
TCE	1,200	2.2
cis-DCE	140	ND

OW1-4	Pre-ISCO	Sep-19
TCE	320	680
cis-DCE	13	57

IW2-3	Pre-ISCO	Sep-19
TCE	6,000	27
cis-DCE	370	2.2

BR09-39	Pre-ISCO	Sep-19
PCE	ND	8.3J
TCE	290	660 F1
cis-DCE	12	79

IW2-1	Pre-ISCO	Sep-19
PCE		ND
TCE	3,900	25
cis-DCE	210	12

OB09-38	Pre-ISCO	Sep-19
TCE	49	32
cis-DCE	8	24

BR07-31	Pre-ISCO	Sep-19
PCE		38
TCE		21
cis-DCE		8.7

OW1-1	Pre-ISCO	Sep-19
PCE	34	ND
TCE	2,700	2,400
cis-DCE	470	890

MW05-21	Pre-ISCO	Sep-19
PCE		10
TCE		1.2
cis-DCE		ND

MW05-10	Pre-ISCO	Sep-19
TCE	180	NS
cis-DCE	35	NS

BR07-32	Pre-ISCO	Sep-19
TCE		NS

BR09-37	Pre-ISCO	Sep-19
PCE		19
TCE	78,000	75,000
cis-DCE	ND	6500

OFFICE BUILDING
Paved Parking Area
CONCRETE SLAB & FOUNDATIONS
HEAVY BRUSH AND WOODS
CON RAIL (Auburn Branch)
BOYD AVE.

SCALE IN FEET
27.5 0 55 110

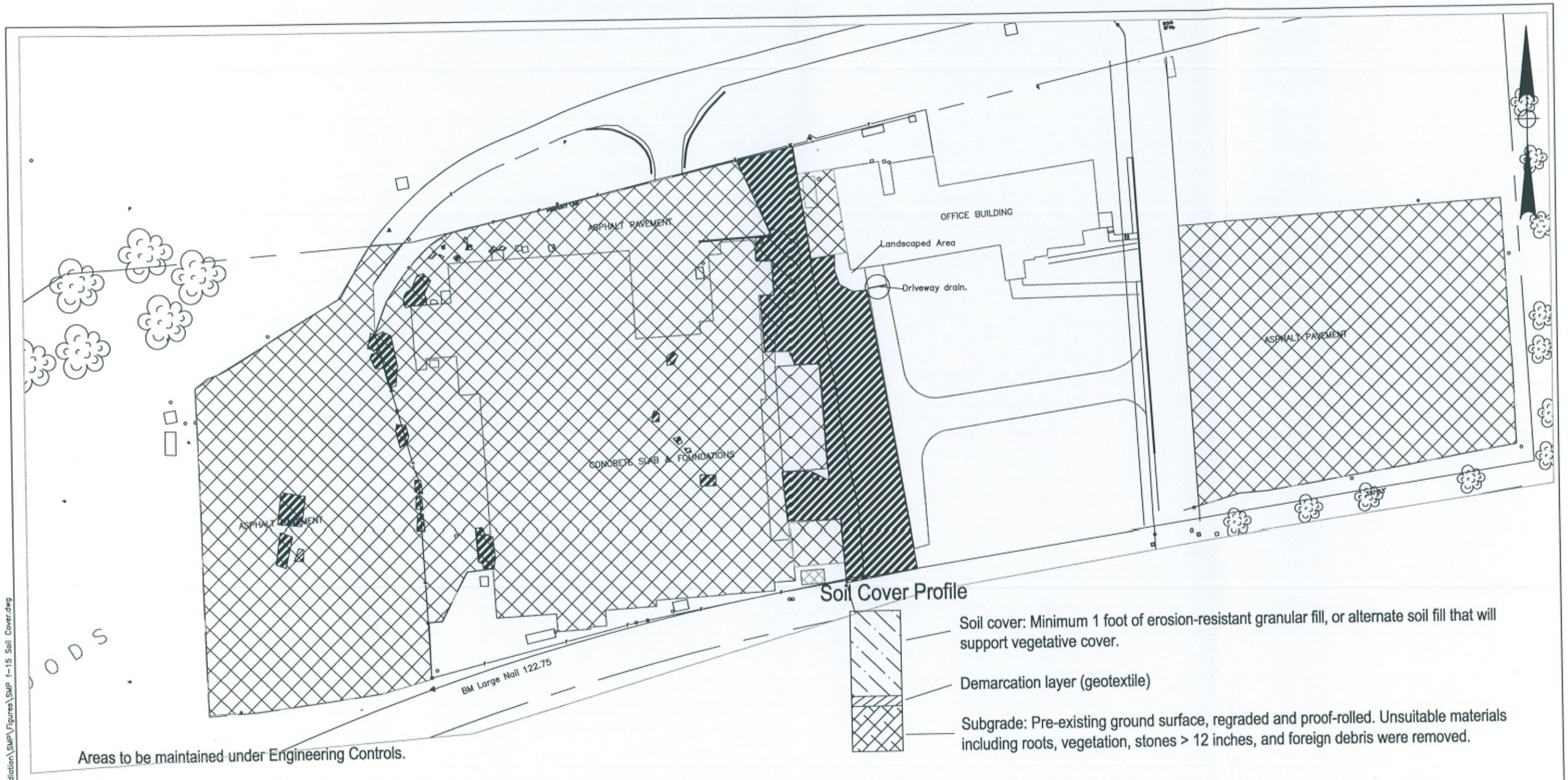
SURVEY NOTE
BASED ON A FIGURE PREPARED BY SWA REDEVELOPMENT OF NORTH AMERICA, DECEMBER 2011
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID W. HAVENS, L.S. 47481, LAST REVISED BY HAVENS ON JUNE 22, 1994.
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005, and January 7, 2010.

DW Stoner & Associates LLC
Manlius, New York
DATE: 02/01/2020 JOB No: 1232

Pass & Seymour, Inc./Boyd Avenue
50 Boyd Avenue
Solvay, New York
Post-ISCO Groundwater Monitoring

Figure 1 – Analytical Results for Chlorinated VOCs in Groundwater

X-REF: NAWCS?
11/Apr/Syr/jem
J:\PROJECTS\N-xxxx\N1100\N1103 - Pass & Seymour GW&M\4th Quarter 2011 - Phase\GW Results.dwg



Areas to be maintained under Engineering Controls.

Existing cover material (asphalt pavement, concrete, crushed stone, etc.) to be maintained as an Engineering Control (~250,000 sqft)

Constructed one foot soil cover as an Engineering Control (~ 23,000 sqft)

Based on a figure prepared by S&W Redevelopment of North America, December 2011

SURVEY NOTE:
THE BOUNDARY AND TOPOGRAPHIC MAPPING OF THIS SURVEY WAS PERFORMED BY DAVID W. HANNIG, L.S. 47411, LAST REVISED BY HANNIG ON JUNE 22, 1994.

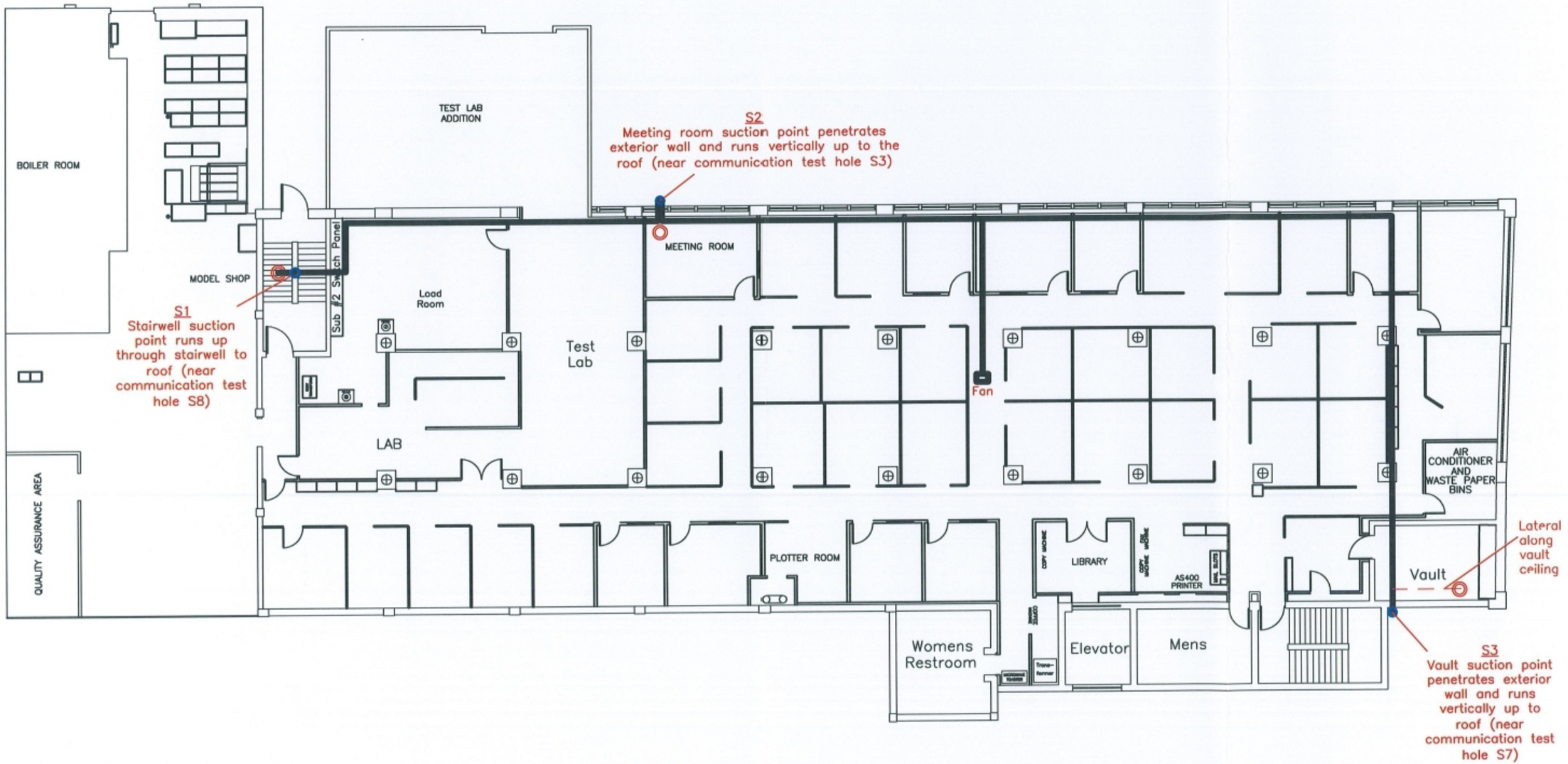
DATUM CORRECTIONS AND MONITORING WELL LOCATIONS BY BRYANT ASSOCIATES, P.C. ARE AS SURVEYED ON NOVEMBER 8, 2005.

SCALE in FEET

44 0 44 88 132

DW Stoner & Associates LLC Manlius, New York DATE: 3/03/2019 JOB No: 1230	Periodic Review Report 2013 (BCP Site # C734102) Pass and Seymour, Inc. 50 Boyd Avenue Solvay, New York Figure 2 Engineering Soil Cover

X-REF: NAMES?
06/Jan/Syr/jlk
J:\PROJECTS\W-xxxx\W9000\W0911 - Pass & Seymour Remediation\SMP\Figures\SMP f-15 Soil Cover.dwg



Vertical piping riser to the roof

Horizontal Piping Network (on roof)

SSDS Suction Riser location (vertical pipe)

SCALE in FEET

8 0 16 32

Based on a figure prepared by S&W Redevelopment of North America, December 2011
Floor plan as provided by Pass & Seymour (2006).

DW Stoner & Associates LLC

Manlius, New York

DATE: 3/03/2019 JOB No: 1230

Periodic Review Report (BCP Site # C734102)
Pass and Seymour, Inc.
50 Boyd Avenue
Solvay, New York

Figure 3
SSD System Layout

X-REF: NAMES?
2006/Mar/Syr/jlk
J:\PROJECTS\K-xxxx\K8000\K0911 - Pass & Seymour Remediation\SMP\Figures\SMPF-15.dwg

TABLES

Table 1 Groundwater Elevations Pass and Seymour

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation	Volume (gal)
BR07-31	3/21/19	Top of PVC	410.18	7.52	20.0	402.66	2.10
	6/20/19	Top of PVC	410.18	NS	20.0	NS	NS
	9/20/19	Top of PVC	410.18	9.73	20.0	400.45	1.74
		Top of PVC	410.18		20.0		
BR07-32	3/21/19	Top of PVC	426.82	NS	20	NS	NS
	6/20/19	Top of PVC	426.82	NS	20	NS	NS
	9/20/19	Top of PVC	426.82	NA	20	NA	NA
		Top of PVC	426.82		20		
BR08-33	3/21/19	Top of PVC	408.11	NS	42	NS	NS
	6/20/19	Top of PVC	408.11	NS	42	NS	NS
	9/20/19	Top of PVC	408.11	NA	42	NA	NA
		Top of PVC	408.11		42		
BR08-34	3/21/19	Top of PVC	408.96	NS	42	NS	NS
	6/20/19	Top of PVC	408.96	NS	42	NS	NS
	9/20/19	Top of PVC	408.96	11.44	42	397.52	5.36
		Top of PVC	408.96		42		
BR08-35	3/21/19	Top of PVC	408.35	NS	31	NS	NS
	6/20/19	Top of PVC	408.35	NS	31	NS	NS
	9/20/19	Top of PVC	408.35	NA	31	NA	NA
		Top of PVC	408.35		31		
BR09-37	3/21/19	Top of PVC	417.85	17.62	24.28	400.23	1.17
	6/20/19	Top of PVC	417.85	17.42	24.28	400.43	1.2
	9/20/19	Top of PVC	417.85	20.04	24.28	397.81	0.75
		Top of PVC	417.85		24.28		
BRO9-39	3/21/19	Top of PVC	424.06	21.36	30.22	402.7	1.81
	6/20/19	Top of PVC	424.06	20.08	30.22	403.98	2.03
	9/20/19	Top of PVC	424.06	20.42	30.22	403.64	1.69
		Top of PVC	424.06		30.22		
BR10-46	3/21/19	Top of PVC	417.10	12.19	27	404.91	5.99
	6/20/19	Top of PVC	417.10	10.56	27	406.54	2.94
	9/20/19	Top of PVC	417.10	14.47	27	402.63	2.09
		Top of PVC	417.10		27		
BR10-47	3/21/19	Top of PVC	416.67	12.19	28	404.48	2.68
	6/20/19	Top of PVC	416.67	12.02	28	404.65	2.72
	9/2/19	Top of PVC	416.67	14.47	28	402.2	2.3
		Top of PVC	416.67		28		
IW2-1	3/21/19	Top of PVC	418.25	17.6	34.35	400.65	6.25
	6/20/19	Top of PVC	418.25	17.55	34.35	400.7	3.17
	9/20/19	Top of PVC	418.25	19.7	34.35	398.55	10.62

Table 1 Groundwater Elevations Pass and Seymour

		Top of PVC	418.25		34.35		
IW2-3	3/21/19	Top of PVC	416.62	15.56	34.60	401.06	6.55
	6/20/19	Top of PVC	416.62	15.44	34.60	401.18	3.42
	9/20/19	Top of PVC	416.62	18.0	34.6	398.62	1.16
		Top of PVC	416.62		34.6		
MW05-02	3/21/19	Top of PVC	408.83	WD	9.92	WD	WD
	6/20/19	Top of PVC	408.83	WD	9.92	WD	WD
	9/20/19	Top of PVC	408.83	WD	9.92	WD	WD
		Top of PVC	408.83	WD	9.92	WD	NS
MW05-03	3/21/19	Top of PVC	421.42	NS	13.05	NS	DRY
	6/20/19	Top of PVC	421.42	NS	13.05	NS	NS
	9/20/19	Top of PVC	421.42	NS	13.05	NS	NS
		Top of PVC	421.42	NS	13.05	NS	NS
MW05-04	3/21/19	Top of PVC	408.45	NS	10.70	NS	NS
	6/20/19	Top of PVC	408.45	NS	10.70	NS	NS
	9/20/19	Top of PVC	408.45	NS	10.7	NS	NS
		Top of PVC	408.45	NS	10.7	NS	NS
MW05-05	3/21/19	Top of PVC	427.82	NS	18.0	NS	NS
	6/20/19	Top of PVC	427.82	NS	18.0	NS	NS
	9/20/19	Top of PVC	427.82	NS	18.0	NS	NS
		Top of PVC	427.82	NS	18.0	NS	NS
MW05-10	3/21/19	Top of PVC	403.89	15.9	19.25	387.99	0.53
	6/20/19	Top of PVC	403.89	NS	19.25	NS	NS
	9/20/19	Top of PVC	403.89	NA	19.25	NA	NA
		Top of PVC	403.89		19.25		
MW05-11	3/21/19	Top of PVC	410.0	NS	14.31	NS	NS
	6/20/19	Top of PVC	410.0	NS	14.31	NS	NS
	9/20/19	Top of PVC	410.0	NS	14.31	NS	NS
		Top of PVC	410.0	NS	14.31	NS	NS
MW05-21	3/21/19	Top of PVC	411.46	4.42	11.7	407.04	1.3
	6/20/19	Top of PVC	411.46	NS	11.7	NS	NS
	9/20/19	Top of PVC	411.46	12.0	11.7	399.46	1.14
		Top of PVC	411.46		11.7		
OB09-36	3/21/19	Top of PVC	414.84	13.82	33.65	401.02	3.55
	06/20/19	Top of PVC	414.84	NS	33.65	NS	NS
	9/20/19	Top of PVC	414.84	16.02	33.65	398.82	3.17
		Top of PVC	414.84		33.65		
OB09-38	3/21/19	Top of PVC	416.68	14.39	33.38	402.29	3.2
	6/20/19	Top of PVC	416.68	NS	33.38	NS	NS
	9/20/19	Top of PVC	416.68	17.9	33.38	398.78	2.6
		Top of PVC	416.68		33.38		
OW1-1	3/21/19	Top of PVC	421.40	14.05	33.38	407.35	1.59
	6/20/19	Top of PVC	421.40	14.73	33.38	406.67	2.21

Table 1 Groundwater Elevations Pass and Seymour

	9/20/19	Top of PVC	421.40	18.5	33.38	402.9	0.83
		Top of PVC	421.40				
OW1-2	3/21/19	Top of PVC	421.25	WD	28.00	WD	WD
	06/20/19	Top of PVC	421.25	WD	28.00	WD	WD
	9/20/19	Top of PVC	421.25	WD	28.00	WD	WD
		Top of PVC	421.25	WD	28.0	WD	WD
OW1-3	3/21/1	Top of PVC	417.16	WD	25.75	WD	WD
	6/20/19	Top of PVC	417.16	WD	25.75	WD	WD
	9/20/19	Top of PVC	417.16	WD	25.75	WD	WD
		Top of PVC	417.16	WD	25.75	WD	WD
OW1-4	3/21/19	Top of PVC	419.90	16.95	27.97	402.95	1.87
	6/20/19	Top of PVC	419.90	15.7	27.97	404.2	2.09
	9/20/19	Top of PVC	419.90	NA	27.97	NA	NA
		Top of PVC	419.90		27.97		
OW2-2	3/21/19	Top of PVC	416.59	15.01	34.71	401.58	3.05
	6/20/19	Top of PVC	416.59	NS	34.71	NS	NS
	9/20/19	Top of PVC	416.59	17.53	34.71	398.99	2.62
		Top of PVC	416.59		34.71		

DTW - Depth to Water
DOW – Depth of Well
(-) – Not measured due to presence of oil layer in well
NA – Not applicable because well was dry
NS- Not Sampled
WD- Well decommissioned

Table 2 Groundwater Field Parameters, Pass and Seymour

Monitoring Well ID	Date 2018	Time	Temp (°C)	Conductivity (mmhos/cm)	Salinity	Dissolved Oxygen (%)	pH (units)	Eh (mV)	Turbidity (NTU)	Amount Purged (gal)
BR07-31	3/21	1020	0.18	1654	1.1	5.37	6.93	176.2	2.88	6.32
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1030	15.65	2630	1.37	3.14	5.86	124.8	7.82	5.5
BR07-32	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR08-33	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR08-34	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1115	12.68	4503	2.42	6.8	7.37	136.6	15.1	6
BR08-35	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
BR09-37	3/21	1235	4.87	1378	0.9	6.61	7.29	113.9	14.6	3.51
	6/20	1145	6.5	1548	1.3	4.48	7.33	120.1	15.7	4
	9/20	1320	15.26	1802	0.92	5.88	7.61	104.2	11.2	1.5
BR09-39	3/21	1225	5.82	1073	0.9	5.97	7.28	112.5	4.91	5.43
	6/20	1135	7.21	1093	0.87	117.6	7.36	117.6	25.6	6
	9/20	1320	16.5	1711	0.87	5.22	7.67	102.7	13.7	5
BR10-46	3/21	1142	3.57	2110	1.8	7.22	7.25	177.0	11.9	7.97
	6/20	1100	7.46	1267	1.03	5.81	7.31	124.9	25.5	9
	9/20	1250	16.27	2817	1.47	3.84	7.39	116.5	20.6	7
BR10-47	3/21	1135	3.32	949	1.0	6.50	7.43	105.8	16.6	8.06
	6/20	1050	6.12	814	0.67	4.54	7.36	86.2	24.3	8
	9/20	1240	15.55	1487	0.75	5.18	7.55	99.6	21.6	7
IW2-1	3/21	1110	4.26	2452	2.2	4.77	7.18	46.0	12.5	18.77
	6/20	1026	5.93	1270	1.03	3.26	6.56	156.5	15.3	19
	9/20	1210	15.44	2414	1.25	4.78	7.49	101.6	14.5	32

Table 2 Groundwater Field Parameters, Pass and Seymour

IW2-3	3/21	1110	3.99	1886	2.4	5.51	7.38	58.4	12.5	19.65
	6/20	1035	5.62	1081	0.92	4.67	7.12	53.2	9.18	21
	9/20	1145	15.6	1541	0.78	4.93	7.69	106.3	21.2	35
MW05-02	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
MW05-03	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-04	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-5	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-10	3/21	1200	4.88	2307	2.1	6.36	7.38	112.6	162	1.60
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-11	3/21	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW05-21	3/21	1015	.13	915	0.9	5.69	6.07	238.2	4.91	3.90
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1040	15.14	1957	1.0	3.52	6.84	113.1	20.0	4
OB09-36	3/21	1125	3.86	2469	2.2	4.92	7.28	108.1	10.65	10.65
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1200	15.94	2909	1.56	3.96	7.43	114.2	10.17	9.5

Table 2 Groundwater Field Parameters, Pass and Seymour

OB09-38	3/21	1050	3.25	1868	1.7	6.1	7.01	88.7	65.3	9.6
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1230	15.06	2168	1.11	4.51	7.6	101.9	75.6	8
OW1-1	3/21	1210	4.13	2172	2.0	7.39	7.35	118.2	12.9	4.77
	6/20	1110	6.08	1669	2.0	6.76	7.32	130.5	16.1	7
	9/20	1130	15.3	2932	1.53	7.82	7.44	115.9	28	1
OW1-2	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
		WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-3	3/21	WD	WD	WD	WD	WD	WD	WD	WD	WD
	6/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
	9/20	WD	WD	WD	WD	WD	WD	WD	WD	WD
		WD	WD	WD	WD	WD	WD	WD	WD	WD
OW1-4	3/21	1215	4.90	680	0.6	5.88	7.25	110.6	8.86	5.63
	6/20	1125	8.6	547	0.71	4.42	7.28	126.2	24.7	6.5
	9/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW2-2	3/21	1120	4.12	1534	1.4	6.82	7.35	89.3	13.3	9.17
	6/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/20	1220	13.97	1890	0.98	4.22	7.6	102.6	28.1	8

NA – Parameters not collected due to low volume OR not reported as noted in the field due to problems with field instrumentation

NS – Not Sampled due to insufficient water (well too dry)

NM – Not sampled due to presence of oil layer in well

WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL BR07-31**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	NS	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	ND	NS	ND	
1,1,2-Trichloroethane	1	NS	ND	NS	ND	
1,1-Dichloroethane	5	NS	ND	NS	ND	
1,1-Dichloroethene	5	NS	ND	NS	ND	
1,2, 4-Trichlorobenzene	5	NS	ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	NS	ND	NS	ND	
1,2-Dibromoethane		NS	ND	NS	ND	
1,2-Dichlorobenzene	3	NS	ND	NS	ND	
1,2-Dichloroethane	0.6	NS	ND	NS	ND	
1,2 -Dichloropropane	1	NS	ND	NS	ND	
1,3-Dichlorobenzene	3	NS	ND	NS	ND	
1,4-Dichlorobenzene	3	NS	ND	NS	ND	
2-Butanone (MEK))	50	NS	ND	NS	ND	
2-Hexanone		NS	ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		NS	ND	NS	ND	
Acetone	50	NS	3.3 J	NS	ND	
Benzene	1	NS	ND	NS	ND	
Bromodichloromethane	50	NS	ND	NS	ND	
Bromoform	50	NS	ND	NS	ND	
Bromomethane	5	NS	ND	NS	ND	
Carbon disulfide		NS	ND	NS	ND	
Carbon tetrachloride	5	NS	ND	NS	ND	
Chlorobenzene	5	NS	ND	NS	ND	
Chloroethane	5	NS	ND	NS	ND	
Chloroform	7	NS	ND	NS	ND	
Chloromethane		NS	ND	NS	ND	
cis-1,2-Dichloroethene	5	NS	**9.3**	NS	***21***	
Cis-1,3-Dichloropropene	0.4	NS	ND	NS	ND	
Cyclohexane		NS	ND	NS	ND	
Dibromochloromethane		NS	ND	NS	ND	
Dichlorodifluoromethane	5	NS	ND	NS	ND	
Ethylbenzene	5	NS	ND	NS	ND	
Isoproylbenzene	5	NS	ND	NS	ND	
Methyl acetate		NS	ND	NS	ND	
Methyl tert-butyl ether	10	NS	ND	NS	ND	
Methylcyclohexane		NS	ND	NS	ND	

Methylene chloride	5	NS	ND	NS	ND	
Styrene	5	NS	ND	NS	ND	
Tetrachloroethene	5	NS	***30***	NS	***38***	
Toluene	5	NS	ND	NS	ND	
trans-1,2-Dichloroethene	5	NS	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	NS	ND	NS	ND	
Trichloroethene	5	NS	5.9	NS	***8.7***	
Trichlorofluoromethane	5	NS	ND	NS	ND	
Vinyl chloride	2	NS	ND	NS	ND	
Xylenes, Total	5	NS	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	NS	62 B	NS	170	
Manganese (EPA Method 6010B)		NS	280 B	NS	150 B	
Nitrate as N (EPA Method 9056)	10,000	NS	56,800	NS	10,400	
Chemical Oxygen Demand (EPA Method 410.4)		NS	14,400 B	NS	8,500 J	
Total Organic Carbon (EPA Method 9060A		NS		NS	1,500	

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Table 3 – Pass & Seymour 2019 Post-ISCO Groundwater Sample Analytical Results

Analytes: VOC's EPA Method 8260B	**WELL BR07-32**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/1/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isoproylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	
Methyl tert-butyl ether	10	NS	NS	NS	NS	
Methylcyclohexane		NS	NS	NS	NS	
Methylene chloride	5	NS	NS	NS	NS	
Styrene	5	NS	NS	NS	NS	

[Pick the date]

Table 3 – Pass & Seymour 2019 Post-ISCO Groundwater Sample Analytical Results

Tetrachloroethene	5	NS	NS	NS	NS	
Toluene	5	NS	NS	NS	NS	
trans-1,2-Dichloroethene	5	NS	NS	NS	NS	
trans-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Trichloroethene	5	NS	NS	NS	NS	
Trichlorofluoromethane	5	NS	NS	NS	NS	
Vinyl chloride	2	NS	NS	NS	NS	
Xylenes, Total	5	NS	NS	NS	NS	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-33**		**2019** **1st QTR**	**2nd QTR**	**3rdQTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isoproylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	

Methyl tert-butyl ether	10	NS	NS	NS	NS	
Methylcyclohexane		NS	NS	NS	NS	
Methylene chloride	5	NS	NS	NS	NS	
Styrene	5	NS	NS	NS	NS	
Tetrachloroethene	5	NS	NS	NS	NS	
Toluene	5	NS	NS	NS	NS	
trans-1,2-Dichloroethene	5	NS	NS	NS	NS	
trans-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Trichloroethene	5	NS	NS	NS	NS	
Trichlorofluoromethane	5	NS	NS	NS	NS	
Vinyl chloride	2	NS	NS	NS	NS	
Xylenes, Total	5	NS	NS	NS	NS	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-34**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	ND	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	ND	
1,1,2-Trichloroethane	1	NS	NS	NS	ND	
1,1-Dichloroethane	5	NS	NS	NS	ND	
1,1-Dichloroethene	5	NS	NS	NS	ND	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	ND	
1,2-Dibromoethane		NS	NS	NS	ND	
1,2-Dichlorobenzene	3	NS	NS	NS	ND	
1,2-Dichloroethane	0.6	NS	NS	NS	ND	
1,2 -Dichloropropane	1	NS	NS	NS	ND	
1,3-Dichlorobenzene	3	NS	NS	NS	ND	
1,4-Dichlorobenzene	3	NS	NS	NS	ND	
2-Butanone (MEK))	50	NS	NS	NS	ND	
2-Hexanone		NS	NS	NS	ND	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	ND	
Acetone	50	NS	NS	NS	ND	
Benzene	1	NS	NS	NS	ND	
Bromodichloromethane	50	NS	NS	NS	ND	
Bromoform	50	NS	NS	NS	ND	
Bromomethane	5	NS	NS	NS	ND	
Carbon disulfide		NS	NS	NS	ND	
Carbon tetrachloride	5	NS	NS	NS	ND	
Chlorobenzene	5	NS	NS	NS	ND	
Chloroethane	5	NS	NS	NS	ND	
Chloroform	7	NS	NS	NS	ND	
Chloromethane		NS	NS	NS	ND	
cis-1,2-Dichloroethene	5	NS	NS	NS	ND	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	ND	
Cyclohexane		NS	NS	NS	ND	
Dibromochloromethane		NS	NS	NS	ND	
Dichlorodifluoromethane	5	NS	NS	NS	ND	
Ethylbenzene	5	NS	NS	NS	ND	
Isoproylbenzene	5	NS	NS	NS	ND	
Methyl acetate		NS	NS	NS	ND	
Methyl tert-butyl ether	10	NS	NS	NS	ND	
Methylcyclohexane		NS	NS	NS	ND	

Methylene chloride	5	NS	NS	NS	ND	
Styrene	5	NS	NS	NS	ND	
Tetrachloroethene	5	NS	NS	NS	ND	
Toluene	5	NS	NS	NS	ND	
trans-1,2-Dichloroethene	5	NS	NS	NS	ND	
trans-1,3-Dichloropropene	0.4	NS	NS	NS	ND	
Trichloroethene	5	NS	NS	NS	ND	
Trichlorofluoromethane	5	NS	NS	NS	ND	
Vinyl chloride	2	NS	NS	NS	ND	
Xylenes, Total	5	NS	NS	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	NS	NS	NS	190	
Manganese (EPA Method 6010B)		NS	NS	NS	330 B	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	390	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	11,100	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	ND	

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR08-35**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	NS	NS	NS	NS	
1,1,2,2-Tetrachloroethane	5	NS	NS	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	NS	NS	NS	NS	
1,1,2-Trichloroethane	1	NS	NS	NS	NS	
1,1-Dichloroethane	5	NS	NS	NS	NS	
1,1-Dichloroethene	5	NS	NS	NS	NS	
1,2, 4-Trichlorobenzene	5	NS	NS	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	NS	NS	NS	NS	
1,2-Dibromoethane		NS	NS	NS	NS	
1,2-Dichlorobenzene	3	NS	NS	NS	NS	
1,2-Dichloroethane	0.6	NS	NS	NS	NS	
1,2 -Dichloropropane	1	NS	NS	NS	NS	
1,3-Dichlorobenzene	3	NS	NS	NS	NS	
1,4-Dichlorobenzene	3	NS	NS	NS	NS	
2-Butanone (MEK))	50	NS	NS	NS	NS	
2-Hexanone		NS	NS	NS	NS	
4-Methyl-2-pentanone (MIBK)		NS	NS	NS	NS	
Acetone	50	NS	NS	NS	NS	
Benzene	1	NS	NS	NS	NS	
Bromodichloromethane	50	NS	NS	NS	NS	
Bromoform	50	NS	NS	NS	NS	
Bromomethane	5	NS	NS	NS	NS	
Carbon disulfide		NS	NS	NS	NS	
Carbon tetrachloride	5	NS	NS	NS	NS	
Chlorobenzene	5	NS	NS	NS	NS	
Chloroethane	5	NS	NS	NS	NS	
Chloroform	7	NS	NS	NS	NS	
Chloromethane		NS	NS	NS	NS	
cis-1,2-Dichloroethene	5	NS	NS	NS	NS	
Cis-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Cyclohexane		NS	NS	NS	NS	
Dibromochloromethane		NS	NS	NS	NS	
Dichlorodifluoromethane	5	NS	NS	NS	NS	
Ethylbenzene	5	NS	NS	NS	NS	
Isoproylbenzene	5	NS	NS	NS	NS	
Methyl acetate		NS	NS	NS	NS	
Methyl tert-butyl ether	10	NS	NS	NS	NS	
Methylcyclohexane		NS	NS	NS	NS	

Methylene chloride	5	NS	NS	NS	NS	
Styrene	5	NS	NS	NS	NS	
Tetrachloroethene	5	NS	NS	NS	NS	
Toluene	5	NS	NS	NS	NS	
trans-1,2-Dichloroethene	5	NS	NS	NS	NS	
trans-1,3-Dichloropropene	0.4	NS	NS	NS	NS	
Trichloroethene	5	NS	NS	NS	NS	
Trichlorofluoromethane	5	NS	NS	NS	NS	
Vinyl chloride	2	NS	NS	NS	NS	
Xylenes, Total	5	NS	NS	NS	NS	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	NS	NS	NS	NS	
Manganese (EPA Method 6010B)		NS	NS	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	NS	NS	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)		NS	NS	NS	NS	
Total Organic Carbon (EPA Method 9060A)		NS	NS	NS	NS	

All values reported as ug/L
B-Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR09-37**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	ND	***80***	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	
D1,1,2-Trichloro-1,ND2,2trifluoroethane	5		ND	ND	***22***	
ND1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	***38***	
1,1-Dichloroethene	5	ND	ND	ND	***75***	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.06	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	
Bromodichloromethane	50	ND	ND	ND	ND	
Bromoform	50	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	ND	1.2	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	**ND**	***7,300***	***8,100***	***6,500***	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5	ND	ND	ND	.57 J	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	ND	ND	***19***	
Toluene	5	ND	ND	ND	.67 J	
trans-1,2-Dichloroethene	5	ND	ND	ND	***31***	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	***5***	***7,800***	***98,000***	***95,000***	***75,000***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	***4.4***	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** *9/20/19*	**4th QTR**
Iron (EPA Method 6010B)	300	17,000	690 B	825	510	
Manganese (EPA Method 6010B)		NS	400 B	431	460 B	
Nitrate as N (EPA Method 9056)	10,000	2,100	1,300	1,200	920	
Chemical Oxygen Demand (EPA Method 410.4)		9,400	25,400 B	23,400	22,900	
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,300	2,000	1,200	

All values reported as ug/L
B – Compound was found in the blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
F1 – MS and/or MSD Recovery is outside acceptable limits
F2 – MS/MSD exceeds control limits

Analytes: VOC's EPA Method 8260B	**WELL BR09-39**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	0.52 J	ND	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1	ND	ND	0.35 J	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	ND	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	
Bromodichloromethane	50	ND	ND	ND	ND	
Bromoform	50	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	ND	ND	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	***12***	***47***	***31***	***79***	
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Methylene chloride	5	ND	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	***7.2 J***	4.7	***8.3 J***	
Toluene	5	ND	ND	ND	NND	
trans-1,2-Dichloroethene	5	ND	ND	0.36 J	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	***5***	***290***	***400***	***280***	***660 F 1***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2ndQTR** 6/20/19	**3rdQTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	132	210 B	232	94	
Manganese (EPA Method 6010B)			32 B	58	33 B	
Nitrate as N (EPA Method 9056)	10,000	10,400	4,200	3,200	2,500	
Chemical Oxygen Demand (EPA Method 410.4)		4,300	17,700 B	6,600 J	10,400	
Total Organic Carbon (EPA Method 9060A)		ND	750 J	1,400	690 J	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
F1-MS and/or MSD Recovery exceeds the control limits

Analytes: VOC's EPA Method 8260B	**WELL BR10-46**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND F1	1.6 J	***14***	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	2.8	
1,1,2-Trichloroethane	1		ND	ND	ND	
1,1-Dichloroethane	5		ND	ND	3.2	
1,1-Dichloroethene	5		ND	1.1 J	***5.9***	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND F1	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6		ND	ND	ND	
1,2 -Dichloropropane	1		ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50		ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	
Acetone	50		ND	ND	ND	
Benzene	1		ND	ND	ND	
Bromodichloromethane	50		ND F1	ND	ND	
Bromoform	50		ND F1	ND	ND	
Bromomethane	5		ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5		ND F1	ND	ND	
Chlorobenzene	5		ND	ND	ND	
Chloroethane	5		ND	ND	ND	
Chloroform	7		ND	ND	ND	
Chloromethane			ND	ND	ND	
cis-1,2-Dichloroethene	5		***360***	***110***	***480***	
cis-1,3-Dichloropropene	0.4		ND F1	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND F1	ND	ND	
Ethylbenzene	5		ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5		ND	ND	ND	
Styrene	5		ND	ND	ND	
Tetrachloroethene	5		ND F1	1.4 J	***6.4***	
Toluene	5		ND	ND	ND	
trans-1,2-Dichloroethene	5		ND F1	0.52 J	4.2	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	***5***		***3,400***	***850***	***4000***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2		ND	ND	ND	
Xylenes, Total	5		ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300		350 B	1,290	1,100	
Manganese (EPA Method 6010B)			300 B	674	1,600 B	
Nitrate as N (EPA Method 9056)	10,000		1,600	1,300	1,300	
Chemical Oxygen Demand (EPA Method 410.4)			36,900 J B	24,800	22,900	
Total Organic Carbon (EPA Method 9060A)			970 J	5,800	2,200	

All values reported as ug/L
B- Compound was found in blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
F1-MS and/or MSD Recovery is outside acceptance limits
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL BR10-47**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND	ND	ND	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1		ND	ND	ND	
1,1-Dichloroethane	5		ND	ND	ND	
1,1-Dichloroethene	5		ND	ND	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6		ND	ND	ND	
1,2 -Dichloropropane	1		ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50		ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)			ND	ND	ND	
Acetone	50		4.5 J	ND	ND	
Benzene	1		ND	ND	ND	
Bromodichloromethane	50		ND	ND	ND	
Bromoform	50		ND	ND	ND	
Bromomethane	5		ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5		ND	ND	ND	
Chlorobenzene	5		ND	ND	ND	
Chloroethane	5		ND	ND	ND	
Chloroform	7		ND	ND	ND	
Chloromethane			ND	ND	ND	
cis-1,2-Dichloroethene	5		***8.5***	***6.5***	***32***	
cis-1,3-Dichloropropene	0.4		ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5		ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Methylene chloride	5		ND	ND	***11***	
Styrene	5		ND	ND	ND	
Tetrachloroethene	5		NDJ	ND	ND	
Toluene	5		ND	ND	ND	
trans-1,2-Dichloroethene	5		ND	ND	ND	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	5		***8.8***	***13***	***240***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2		ND	ND	ND	
Xylenes, Total	5		ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1STQTR** 3/21/19	**2ndQTR** 6/20/19	**3rdQTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300		920 B	1,630	1,600	
Manganese (EPA Method 6010B)			770 B	1,220	3,100 B	
Nitrate as N (EPA Method 9056)	10,000		4,800	3,800	2,900	
Chemical Oxygen Demand (EPA Method 410.4)			22,800 B	4,900 J	20,000	
Total Organic Carbon (EPA Method 9060A)			930 J	1,500	920 J	

All values reported as ug/L
B- Compound was found in blank and sample
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS- Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL IW2-1**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/29/19	
1,1,1-Trichloroethane	5	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	ND	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	
Bromodichloromethane	50	ND	ND	ND	ND	
Bromoform	50	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5		ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	ND	ND	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	***210***	***120***	***8.8***	***12***	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	

Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	
Methylene chloride	5	39 J	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	ND	ND	ND	
Toluene	5	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	***5***	***3,900***	***730***	***39***	***25***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1ST QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	1,610	1,100 B	873	2,000	
Manganese (EPA Method 6010B)			230B	245	290 B	
Nitrate as N (EPA Method 9056)	10,000	440	400	220	360	
Chemical Oxygen Demand (EPA Method 410.4)		5,800	26,100 B	34,700	26,100	
Total Organic Carbon (EPA Method 9060A)		ND	860 J	4,500	1,300	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL IW2-3**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/18	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5		ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	ND	ND	
1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	ND	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.6	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		110	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	
Bromodichloromethane	50	ND	ND	ND	ND	
Bromoform	50	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	ND	ND	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	5	***370***	***14***	*2.2*	*2.2*	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	MD	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Methylene chloride	5	110 J	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	5	ND	ND	ND	ND	
Toluene	5	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Trichloroethene	5	***6,000***	***130***	***26***	***27***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1ST QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	4,870	110 B	119 J	720	
Manganese (EPA Method 6010B)	300	473	38 B	52.7	93 B	
Nitrate as N (EPA Method 9056)	10,000	750	4,800	1,700	2,200	
Chemical Oxygen Demand (EPA Method 410.4)		7,100	9,400 J B	10,500	20,700	
Total Organic Carbon (EPA Method 9060A)		ND	830 J	2,500	2,000	

All values reported as ug/L
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ND – Analyzed for but NOT DETECTED
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-02**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	WD	WD	WD	
1,1,2-TrichloroethaneD	1	ND	WD	WD	WD	
1,1-DichloroethaneND	5	ND	WD	WD	WD	
1,1-DichloroetheneND	5	ND	WD	WD	WD	
1,2, 4-TrichlorobenzenNDe	5	ND	WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04	ND	WD	WD	WD	
1,2-Dibromoethane		ND	WD	WD	WD	
1,2-Dichlorobenzene	3	ND	WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3 Dichlorobenzene	3	ND	WD	WD	WD	
1,4-Dichlorobenzene	3	ND	WD	WD	WD	
2-Butanone (MEK))	50	ND	WD	WD	WD	
2-Hexanone		ND	WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide		ND	WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7	ND	WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	**5**	1.5	WD	WD	WD	
cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane		ND	WD	WD	WD	
Dibromochloromethane		ND	WD	WD	WD	
Dichlorodifluoromethane	5	ND	WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isoproylbenzene	5	ND	WD	WD	WD	
Methyl acetate		ND	WD	WD	WD	
Methyl tert-butyl ether	10	ND	WD	WD	WD	
Methylcyclohexane		ND	WD	WD	WD	

Methylene chloride	5	ND	WD	WD	WD	
Styrene	5	ND	WD	WD	WD	
Tetrachloroethene	**5**	**ND**	WD	WD	WD	
Toluene	5	ND	WD	WD	WD	
trans-1,2-Dichloroethene	5	ND	WD	WD	WD	
Trans-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Trichloroethene	***5***	***220***	WD	WD	WD	
Trichlorofluoromethane	5	ND	WD	WD	WD	
Vinyl chloride	2	ND	WD	WD	WD	
Xylenes, Total	5	ND	WD	WD	WD	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300	2,7800	WD	WD	WD	
Manganese (EPA Method 6010B)		193	WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	ND	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	WD	WD	WD	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL MW05-03**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	
1,1-DichloroethaneND	5	ND	NS*	NS	NS	
1,1-DichloroetheneND	5	ND	NS*	NS	NS	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	
1,2-Dibromoethane		ND	NS*	NS	NS	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	
1,2 -Dichloropropane	1	ND	NS*	NS	NS	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	
2-Butanone (MEK))	50	ND	NS*	NS	NS	
2-Hexanone		ND	NS*	NS	NS	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	
Acetone	50	ND	NS*	NS	NS	
Benzene	1	ND	NS*	NS	NS	
Bromodichloromethane	50	ND	NS*	NS	NS	
Bromoform	50	ND	NS*	NS	NS	
Bromomethane	5	ND	NS*	NS	NS	
Carbon disulfide		ND	NS*	NS	NS	
Carbon tetrachloride	5	ND	NS*	NS	NS	
Chlorobenzene	5	ND	NS*	NS	NS	
Chloroethane	5	ND	NS*	NS	NS	
Chloroform	7	ND	NS*	NS	NS	
Chloromethane		ND	NS*	NS	NS	
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Cyclohexane		ND	NS*	NS	NS	
Dibromochloromethane		ND	NS*	NS	NS	
Dichlorodifluoromethane	5	ND	NS*	NS	NS	
Ethylbenzene	5	ND	NS*	NS	NS	
Isoproylbenzene	5	ND	NS*	NS	NS	
Methyl acetate		ND	NS*	NS	NS	
Methyl tert-butyl ether	10	ND	NS*	NS	NS	
Methylcyclohexane		ND	NS*	NS	NS	

Methylene chloride	5	ND	NS*	NS	NS	
Styrene	5	ND	NS*	NS	NS	
Tetrachloroethene	**5**	**ND**	NS*	NS	NS	
Toluene	5	ND	NS*	NS	NS	
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS	
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Trichloroethene	***5***	***220***	NS*	NS	NS	
Trichlorofluoromethane	5	ND	NS*	NS	NS	
Vinyl chloride	2	ND	NS*	NS	NS	
Xylenes, Total	5	ND	NS*	NS	NS	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-04**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS*	
1,1,2,2-Tetrachloroethane	5	ND	NS*	NS	NS*	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS*	
1,1,2-Trichloroethane	1	ND	NS*	NS	NS*	
1,1-Dichloroethane	5	ND	NS*	NS	NS*	
1,1-Dichloroethene	5	ND	NS*	NS	NS*	
1,2, 4-Trichlorobenzene	5	ND	NS*	NS	NS*	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS*	
1,2-Dibromoethane		ND	NS*	NS	NS*	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS*	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS*	
1,2 -Dichloropropane	1	ND	NS*	NS	NS*	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS*	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS*	
2-Butanone (MEK))	50	ND	NS*	NS	NS*	
2-Hexanone		ND	NS*	NS	NS*	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS*	
Acetone	50	ND	NS*	NS	NS*	
Benzene	1	ND	NS*	NS	NS*	
Bromodichloromethane	50	ND	NS*	NS	NS*	
Bromoform	50	ND	NS*	NS	NS*	
Bromomethane	5	ND	NS*	NS	NS*	
Carbon disulfide		ND	NS*	NS	NS*	
Carbon tetrachloride	5	ND	NS*	NS	NS*	
Chlorobenzene	5	ND	NS*	NS	NS*	
Chloroethane	5	ND	NS*	NS	NS*	
Chloroform	7	ND	NS*	NS	NS*	
Chloromethane		ND	NS*	NS	NS*	
cis-1,2-Dichloroethene	**5**	ND	NS*	NS	NS*	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Cyclohexane		ND	NS*	NS	NS*	
Dibromochloromethane		ND	NS*	NS	NS*	
Dichlorodifluoromethane	5	ND	NS*	NS	NS*	
Ethylbenzene	5	ND	NS*	NS	NS*	
Isoproylbenzene	5	ND	NS*	NS	NS*	
Methyl acetate		ND	NS*	NS	NS*	

Methyl tert-butyl ether	10	ND	NS*	NS	NS*	
Methylcyclohexane		ND	NS*	NS	NS*	
Methylene chloride	5	ND	NS*	NS	NS*	
Styrene	5	ND	NS*	NS	NS*	
Tetrachloroethene	**5**	**ND**	NS*	NS	NS*	
Toluene	5	ND	NS*	NS	NS*	
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS*	
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Trichloroethene	***5***	***98***	NS*	NS	NS*	
Trichlorofluoromethane	5	ND	NS*	NS	NS*	
Vinyl chloride	2	ND	NS*	NS	NS*	
Xylenes, Total	5	ND	NS*	NS	NS*	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	290	NS*	NS	NS*	
Manganese (EPA Method 6010B)		4.9	NS*	NS	NS*	
Nitrate as N (EPA Method 9056)	10,000	2,700	NS*	NS	NS*	
Chemical Oxygen Demand (EPA Method 410.4)	NS	ND	NS*	NS	NS*	
Total Organic Carbon (EPA Method 9060A)	NS	1,100	NS*	NS	NS*	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-05**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS*	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS*	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS*	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS*	
1,1-DichloroethaneND	5	ND	NS*	NS	NS*	
1,1-DichloroetheneND	5	ND	NS*	NS	NS*	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS*	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS*	
1,2-Dibromoethane		ND	NS*	NS	NS*	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS*	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS*	
1,2 -Dichloropropane	1	ND	NS*	NS	NS*	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS*	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS*	
2-Butanone (MEK))	50	ND	NS*	NS	NS*	
2-Hexanone		ND	NS*	NS	NS*	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS*	
Acetone	50	ND	NS*	NS	NS*	
Benzene	1	ND	NS*	NS	NS*	
Bromodichloromethane	50	ND	NS*	NS	NS*	
Bromoform	50	ND	NS*	NS	NS*	
Bromomethane	5	ND	NS*	NS	NS*	
Carbon disulfide		ND	NS*	NS	NS*	
Carbon tetrachloride	5	ND	NS*	NS	NS*	
Chlorobenzene	5	ND	NS*	NS	NS*	
Chloroethane	5	ND	NS*	NS	NS*	
Chloroform	7	ND	NS*	NS	NS*	
Chloromethane		ND	NS*	NS	NS*	
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS	NS*	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Cyclohexane		ND	NS*	NS	NS*	
Dibromochloromethane		ND	NS*	NS	NS*	
Dichlorodifluoromethane	5	ND	NS*	NS	NS*	
Ethylbenzene	5	ND	NS*	NS	NS*	
Isoproylbenzene	5	ND	NS*	NS	NS*	
Methyl acetate		ND	NS*	NS	NS*	
Methyl tert-butyl ether	10	ND	NS*	NS	NS*	
Methylcyclohexane		ND	NS*	NS	NS*	

Methylene chloride	5	ND	NS*	NS	NS*	
Styrene	5	ND	NS*	NS	NS*	
Tetrachloroethene	**5**	**ND**	NS*	NS	NS*	
Toluene	5	ND	NS*	NS	NS*	
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS*	
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS*	
Trichloroethene	***5***	***220***	NS*	NS	NS*	
Trichlorofluoromethane	5	ND	NS*	NS	NS*	
Vinyl chloride	2	ND	NS*	NS	NS*	
Xylenes, Total	5	ND	NS*	NS	NS*	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	1st QTR 3/21/19	2nd QTR 6/20/19	3rd QTR 9/20/19	4th QTR
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS*	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS*	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS*	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS*	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-10**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	NS	
1,1,2-Trichloroethane	1	***180***	ND	NS	NS	
1,1-Dichloroethane	5	ND	ND	NS	NS	
1,1-Dichloroethene	5	***35***	ND	NS	NS	
1,2, 4-Trichlorobenzene	5	ND	ND	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	NS	
1,2-Dibromoethane			ND	NS	NS	
1,2-Dichlorobenzene	3		ND	NS	NS	
1,2-Dichloroethane	0.06	ND	ND	NS	NS	
1,2 -Dichloropropane	1		ND	NS	NS	
1,3 Dichlorobenzene	3		ND	NS	NS	
1,4-Dichlorobenzene	3		ND	NS	NS	
2-Butanone (MEK))	50	1.4 J	ND	NS	NS	
2-Hexanone			ND	NS	NS	
4-Methyl-2-pentanone (MIBK)			ND	NS	NS	
Acetone	50	6.3 J	3.5 J	NS	NS	
Benzene	1		ND	NS	NS	
Bromodichloromethane	50	ND	ND	NS	NS	
Bromoform	50	ND	ND	NS	NS	
Bromomethane	5		ND	NS	NS	
Carbon disulfide			ND	NS	NS	
Carbon tetrachloride	5	ND	ND	NS	NS	
Chlorobenzene	5		ND	NS	NS	
Chloroethane	5		ND	NS	NS	
Chloroform	7	ND	ND	NS	NS	
Chloromethane			ND	NS	NS	
cis-1,2-Dichloroethene	**5**	***35***	3.3	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	ND	NS	NS	
Cyclohexane			ND	NS	NS	
Dibromochloromethane			ND	NS	NS	
Dichlorodifluoromethane	5	ND	ND	NS	NS	
Ethylbenzene	5	ND	ND	NS	NS	
Isoproylbenzene	5		ND	NS	NS	
Methyl acetate			ND	NS	NS	

Methyl tert-butyl ether	10		ND	NS	NS	
Methylcyclohexane			ND	NS	NS	
Methylene chloride	5	1.4	ND	NS	NS	
Styrene	5	ND	ND	NS	NS	
Tetrachloroethene	5	ND	.59 J	NS	NS	
Toluene	5	ND	ND	NS	NS	
trans-1,2-Dichloroethene	5	ND	ND	NS	NS	
Trans-1,3-Dichloropropene	0.4	ND	ND	NS	NS	
Trichloroethene	***5***	***160***	***59***	NS	NS	
Trichlorofluoromethane	5		ND	NS	NS	
Vinyl chloride	2	ND	ND	NS	NS	
Xylenes, Total	5	ND	ND	NS	NS	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	*3630*	14,200 B	NS	NS	
Manganese (EPA Method 6010B)			.18 B	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	3,000	3,400	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	8,100J	82,000 B	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,800	1,200	NS	NS	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-11**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	NS*	NS	NS	
1,1,2,2-Tetrachloroethane	5	ND	NS *	NS	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	NS*	NS	NS	
1,1,2-TrichloroethaneD	1	ND	NS*	NS	NS	
1,1-DichloroethaneND	5	ND	NS*	NS	NS	
1,1-DichloroetheneND	5	ND	NS*	NS	NS	
1,2, 4-TrichlorobenzenNDe	5	ND	NS*	NS	NS	
1,2-Dibromo-3-Chloropropane	0.04	ND	NS*	NS	NS	
1,2-Dibromoethane		ND	NS*	NS	NS	
1,2-Dichlorobenzene	3	ND	NS*	NS	NS	
1,2-Dichloroethane	0.06	ND	NS*	NS	NS	
1,2 -Dichloropropane	1	ND	NS*	NS	NS	
1,3 Dichlorobenzene	3	ND	NS*	NS	NS	
1,4-Dichlorobenzene	3	ND	NS*	NS	NS	
2-Butanone (MEK))	50	ND	NS*	NS	NS	
2-Hexanone		ND	NS*	NS	NS	
4-Methyl-2-pentanone (MIBK)		ND	NS*	NS	NS	
Acetone	50	ND	NS*	NS	NS	
Benzene	1	ND	NS*	NS	NS	
Bromodichloromethane	50	ND	NS*	NS	NS	
Bromoform	50	ND	NS*	NS	NS	
Bromomethane	5	ND	NS*	NS	NS	
Carbon disulfide		ND	NS*	NS	NS	
Carbon tetrachloride	5	ND	NS*	NS	NS	
Chlorobenzene	5	ND	NS*	NS	NS	
Chloroethane	5	ND	NS*	NS	NS	
Chloroform	7	ND	NS*	NS	NS	
Chloromethane		ND	NS*	NS	NS	
cis-1,2-Dichloroethene	**5**	1.5	NS*	NS	NS	
cis-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Cyclohexane		ND	NS*	NS	NS	
Dibromochloromethane		ND	NS*	NS	NS	
Dichlorodifluoromethane	5	ND	NS*	NS	NS	
Ethylbenzene	5	ND	NS*	NS	NS	
Isoproylbenzene	5	ND	NS*	NS	NS	
Methyl acetate		ND	NS*	NS	NS	
Methyl tert-butyl ether	10	ND	NS*	NS	NS	
Methylcyclohexane		ND	NS*	NS	NS	

Methylene chloride	5	ND	NS*	NS	NS	
Styrene	5	ND	NS*	NS	NS	
Tetrachloroethene	**5**	**ND**	NS*	NS	NS	
Toluene	5	ND	NS*	NS	NS	
trans-1,2-Dichloroethene	5	ND	NS*	NS	NS	
Trans-1,3-Dichloropropene	0.4	ND	NS*	NS	NS	
Trichloroethene	***5***	***220***	NS*	NS	NS	
Trichlorofluoromethane	5	ND	NS*	NS	NS	
Vinyl chloride	2	ND	NS*	NS	NS	
Xylenes, Total	5	ND	NS*	NS	NS	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	2,7800	NS*	NS	NS	
Manganese (EPA Method 6010B)		193	NS*	NS	NS	
Nitrate as N (EPA Method 9056)	10,000	ND	NS*	NS	NS	
Chemical Oxygen Demand (EPA Method 410.4)	NS	22,000	NS*	NS	NS	
Total Organic Carbon (EPA Method 9060A)	NS	1,600	NS*	NS	NS	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL MW05-21**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5		ND	NS	ND	
1,1,2,2-Tetrachloroethane	5		ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	
1,1,2-Trichloroethane	1		ND	NS	ND	
1,1-Dichloroethane	5		ND	NS	ND	
1,1-Dichloroethene	5		ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.06		ND	NS	ND	
1,2 -Dichloropropane	1		ND	NS	ND	
1,3 Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50		ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)			ND	NS	ND	
Acetone	50		3.6 J	NS	ND	
Benzene	1		ND	NS	ND	
Bromodichloromethane	50		ND	NS	ND	
Bromoform	50		ND	NS	ND	
Bromomethane	5		ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5		ND	NS	ND	
Chlorobenzene	5		ND	NS	ND	
Chloroethane	5		ND	NS	ND	
Chloroform	7		ND	NS	ND	
Chloromethane			ND	NS	ND	
cis-1,2-Dichloroethene	5		ND	NS	ND	
cis-1,3-Dichloropropene	0.4		ND	NS	ND	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5		ND	NS	ND	
Isoproylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Methylene chloride	5		ND	NS	ND	
Styrene	5		ND	NS	ND	
Tetrachloroethene	5		3.2	NS	***10***	
Toluene	5		ND	NS	ND	
trans-1,2-Dichloroethene	5		ND	NS	ND	
Trans-1,3-Dichloropropene	0.4		ND	NS	ND	
Trichloroethene	5		0.79 J	NS	1.2	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2		ND	NS	ND	
Xylenes, Total	5		ND	NS	ND	

Other Analytes:	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300		260 B	NS	1,000	
Manganese (EPA Method 6010B)			200 B	NS	610 B	
Nitrate as N (EPA Method 9056)	10,000		95,500	NS	106,000	
Chemical Oxygen Demand (EPA Method 410.4)	NS		48,500 B	NS	29.000	
Total Organic Carbon (EPA Method 9060A)	NS		6,300	NS	7,900	

All values reported as ug/L
ND-Analyzed for but NOT DECTECTED
B – Compound was found in the blank and sample
J-Includes an estimated value
(*) No sample collected because well is too dry
Pre-ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW STD – Class GA Groundwater Standard of Guidance from NYS Department of Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OB09-36**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50	ND	ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane		ND	ND	NS	ND	
cis-1,2-Dichloroethene	5	***12***	ND	NS	ND	
cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isoproylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Methylene chloride	5	3.2 J	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	***5***	***149***	***15***	NS	***16***	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	1,610	290 B	NS	690	
Manganese (EPA Method 6010B)			33 B	NS	60 B	
Nitrate as N (EPA Method 9056)	10,000	440	3,500	NS	3,600	
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,800	8,400 J B	NS	17,800	
Total Organic Carbon (EPA Method 9060A)	NS	ND	990 J	NS	1,000	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound was found in the blank and sample
J – Includes an estimated value
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OB09-38**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5		ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	NS	ND	
1,2-Dibromoethane			ND	NS	ND	
1,2-Dichlorobenzene	3		ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3		ND	NS	ND	
1,4-Dichlorobenzene	3		ND	NS	ND	
2-Butanone (MEK))	50		ND	NS	ND	
2-Hexanone			ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide			ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane			ND	NS	ND	
cis-1,2-Dichloroethene	5	***8***	***9.7***	NS	***24***	
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	***ND***	
Cyclohexane			ND	NS	ND	
Dibromochloromethane			ND	NS	ND	
Dichlorodifluoromethane	5		ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isoproylbenzene	5		ND	NS	ND	
Methyl acetate			ND	NS	ND	
Methyl tert-butyl ether	10		ND	NS	ND	
Methylcyclohexane			ND	NS	ND	

Methylene chloride	5	ND	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	***5***	***49***	***11***	NS	***32***	
Trichlorofluoromethane	5		ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	38,700	5,800	NS	6,700	
Manganese (EPA Method 6010B)			290 B	NS	360 B	
Nitrate as N (EPA Method 9056)	10,000	94	140 H	NS	140	
Chemical Oxygen Demand (EPA Method 410.4)		3,900	14,100 B	NS	22,900	
Total Organic Carbon (EPA Method 9060A)	NS	ND	930 J	NS	820 J	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B – Compound was found in the blank and sample
J – Includes an estimated value
H-Sample was prepped or analyzed beyond the specified holding time
F1-MS and/or MSD Recovery exceeds the control limits
E-Result Exceeded calibration range
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: **VOC's** EPA Method 8260B	**WELL OW1-1**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	ND	
1,1,2-Trichloroethane	1	ND	ND	ND	ND	
1,1-Dichloroethane	5	ND	ND	ND	ND	
1,1-Dichloroethene	5	ND	ND	.45 J	ND	
1,2, 4-Trichlorobenzene	5		ND	ND	ND	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	
1,2-Dichlorobenzene	3		ND	ND	ND	
1,2-Dichloroethane	0.06	ND	ND	ND	ND	
1,2 -Dichloropropane	1	ND	ND	ND	ND	
1,3-Dichlorobenzene	3		ND	ND	ND	
1,4-Dichlorobenzene	3		ND	ND	ND	
2-Butanone (MEK))	50	ND	ND	ND	ND	
2-Hexanone			ND	ND	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	ND	
Acetone	50	ND	ND	ND	ND	
Benzene	1	ND	ND	ND	ND	
Bromodichloromethane	50	ND	ND	ND	ND	
Bromoform	50	ND	ND	ND	ND	
Bromomethane	5	ND	ND	ND	ND	
Carbon disulfide			ND	ND	ND	
Carbon tetrachloride	5	ND	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	
Chloroform	7	ND	ND	.34 J	ND	
Chloromethane		ND	ND	ND	ND	
cis-1,2-Dichloroethene	***5***	***470***	***10***	***15***	***890***	
Cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	
Cyclohexane			ND	ND	ND	
Dibromochloromethane			ND	ND	ND	
Dichlorodifluoromethane	5		ND	ND	ND	
Ethylbenzene	5	ND	ND	ND	ND	
Isoproylbenzene	5		ND	ND	ND	
Methyl acetate			ND	ND	ND	
Methyl tert-butyl ether	10		ND	ND	ND	
Methylcyclohexane			ND	ND	ND	

Methylene chloride	5	*I70 J*	ND	ND	ND	
Styrene	5	ND	ND	ND	ND	
Tetrachloroethene	***5***	***34***	***2.5 J***	***6.1***	ND	
Toluene	5	ND	ND	ND	ND	
trans-1,2-Dichloroethene	5	ND	ND	.65 J	ND	
trans-1,3-Dichloropropene	0.4		ND	ND	ND	
Trichloroethene	***5***	***2700***	***180 F 1***	***270***	***2,400***	
Trichlorofluoromethane	5		ND	ND	ND	
Vinyl chloride	2	ND	ND	ND	ND	
Xylenes, Total	5	ND	ND	ND	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	751	620 B	520	13,100	
Manganese (EPA Method 6010B)			30 B	32.5	3,600 B	
Nitrate as N (EPA Method 9056)	10,000	1,900	4,400	3,900	2,400	
Chemical Oxygen Demand (EPA Method 410.4)	NS	5,600J	87,000B	5,600 J	40,300	
Total Organic Carbon (EPA Method)	NS	ND	850 J	1,500	1,600	

All values reported as ug/L
ND-Analyzed for but NOT DETECTED
F-1 -MS and/or MSD Recovery is outside acceptance limits
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
^- ICV, CCV, ICB, CCB, ISA,ISH, CRI,CRA,DLCK or MRL standard: Instrument related QC is outside acceptance limits

Analytes: VOC's EPA Method 8260B	**WELL OW1-2**		**2019 1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	***5***	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2-trifluoroethane	5		WD	WD	WD	
1,1,2-Trichloroethane	1	ND	WD	WD	WD	
1,1-Dichloroethane	5	ND	WD	WD	WD	
1,1-Dichloroethene	***5***	ND	WD	WD	WD	
1,2, 4-Trichlorobenzene	5		WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04		WD	WD	WD	
1,2-Dibromoethane			WD	WD	WD	
1,2-Dichlorobenzene	3		WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3-Dichlorobenzene	3		WD	WD	WD	
1,4-Dichlorobenzene	3		WD	WD	WD	
2-Butanone (MEK)	50	ND	WD	WD	WD	
2-Hexanone			WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide			WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7		WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	*5*	***4,800***	WD	WD	WD	
cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane			WD	WD	WD	
Dibromochloromethane			WD	WD	WD	
Dichlorodifluoromethane	5		WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isoproylbenzene	5		WD	WD	WD	
Methyl acetate			WD	WD	WD	
Methyl tert-butyl ether	10		WD	WD	WD	
Methylcyclohexane			WD	WD	WD	

Methylene chloride	5	*1,300 J*	WD	WD	WD	
Styrene	5	ND	WD	WD	WD	
Tetrachloroethene	***5***	***440 J***	WD	WD	WD	
Toluene	5	ND	WD	WD	WD	
trans-1,2-Dichloroethene	***5***	ND	WD	WD	WD	
Trans-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Trichloroethene	***5***	***49,000***	WD	WD	WD	
Trichlorofluoromethane	5		WD	WD	WD	
Vinyl chloride	2	ND	WD	WD	WD	
Xylenes, Total	5	ND	WD	WD	WD	

Analyte: SVOC **EPA Method: 8270C**	**GW Std (ug/l)**	**Pre-ISCO**	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
2,4,5-Trichlorophenol			WD	WD	WD	
2,4,6-Trichlorophenol		ND	WD	WD	WD	
2,4-Dichlorophenol	5	ND	WD	WD	WD	
2,4-Dimethylphenol	10	ND	WD	WD	WD	
2,4-Dinitrotoluene	5	ND	WD	WD	WD	
2,6-Dinitrotoluene	5	ND	WD	WD	WD	
2-Chloronaphthalene	10	ND	WD	WD	WD	
2-Chlorophenol		ND	WD	WD	WD	
2-Methylnaphthalene			WD	WD	WD	
2-Methylphenol			WD	WD	WD	
2-Nitrophenol		ND	WD	WD	WD	
3,3-Dichlorobenzidine	5	ND	WD	WD	WD	
3-Nitroaniline			WD	WD	WD	
4,6-Dinitro-2-methyphenol		ND	WD	WD	WD	
4-Bromophenyl phenyl ether		ND	WD	WD	WD	
4-Chloro-3-methylphenol		ND	WD	WD	WD	
4-Chloroaniline			WD	WD	WD	
4-Chlorophenyl phenyl ether		ND	WD	WD	WD	
4-Methyphenol			WD	WD	WD	
4-Nitroaniline			WD	WD	WD	
4-Nitrophenol		ND	WD	WD	WD	
Acenaphthene	20	ND	WD	WD	WD	
Acenaphthylene		ND	WD	WD	WD	
Acetophenone			WD	WD	WD	
Anthracene	50	460 J	WD	WD	WD	
Atrazine			WD	WD	WD	
Benzaldehyde			WD	WD	WD	
Benzo(a)anthracene	**0.00**	**2,200**	WD	WD	WD	
Benzo(a)pyrene		***2,100***	WD	WD	WD	
Benzo(b)fluoranthene	0.002	***3,300***	WD	WD	WD	
Benzo(g,h)perylene		***3,000***	WD	WD	WD	
Benzo(k)fluoranthene	**0.002**	***1,300***	WD	WD	WD	

Biphenyl			WD	WD	WD	
Bis-(2-chloroisopropyl) ether		ND	WD	WD	WD	
Bis(2-chloroethoxy) methane	5	ND	WD	WD	WD	
Bis(2-chloroethyl) ether		ND	WD	WD	WD	
Bis(2-ethylhexyl) phthalate	5	***1,300***	WD	WD	WD	
Butyl benzyl phthalate		ND	WD	WD	WD	
Carprolactam			WD	WD	WD	
Carbazole			WD	WD	WD	
Chrysene	0.002	***2,300***	WD	WD	WD	
Dibenz(a,h)anthracene		760	WD	WD	WD	
Dibenzofuran			WD	WD	WD	
Diethyl phthalate	50	ND	WD	WD	WD	
Dimethyl phthalate	50	ND	WD	WD	WD	
Di-n-buty l phthalate	50	ND	WD	WD	WD	
Di-n-octyl phthalate	50	ND	WD	WD	WD	
Fluoranthene	50	***4,100***	WD	WD	WD	
Fluorene	50	410 J	WD	WD	WD	
Hexachlorobenzene	0.04	ND	WD	WD	WD	
Hexachlorobutadiene	0.5	ND	WD	WD	WD	
Hexachlorocyclopentadiene	5	ND	WD	WD	WD	
Hexachloroethane	5	ND	WD	WD	WD	
Indeno(1,2,3-cd)pyrene	0.002	***3,400***	WD	WD	WD	
Isophorone	50	ND	WD	WD	WD	
Naphthalene	10	ND	WD	WD	WD	
Nitrobenzene	0.4	ND	WD	WD	WD	
N-Nitrosodi-n-propylamine		ND	WD	WD	WD	
N-Nitrosodiphenylamine	50	ND	WD	WD	WD	
Pentachlorophenol	1	ND	WD	WD	WD	
Phenanthrene	50	450	WD	WD	WD	
Phenol	1	ND	WD	WD	WD	
Pyrene	50	***3,600***	WD	WD	WD	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	1,060	WD	WD	WD	
Manganese (Method 6010B)			WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	7,400	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)		23,000	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	10,000	ND	WD	WD	WD	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound was found in the blank and sample
E- Result exceeded calibration range
F1- MS and /MS recovery is outside acceptance limits
F2- MS/MSD RPD exceeds control limits
J- Includes an estimated value
(-) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)
^- ICV, CCV, ICB, CCB, ISA, ISH, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits
WD- Well Decommissioned

Analytes: VOC's EPA Method 8260B	**WELL OW1-3**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	***5***	ND	WD	WD	WD	
1,1,2,2-Tetrachloroethane	5	ND	WD	WD	WD	
1,1,2-Trichloro-1,2,2 trifluoroethane	***5***		WD	WD	WD	
1,1,2-Trichloroethane	1	ND	WD	WD	WD	
1,1-Dichloroethane	5		WD	WD	WD	
1,1-Dichloroethene	***5***	ND	WD	WD	WD	
1,2, 4-Trichlorobenzene	5		WD	WD	WD	
1,2-Dibromo-3-Chloropropane	0.04	ND	WD	WD	WD	
1,2-Dibromoethane			WD	WD	WD	
1,2-Dichlorobenzene	3		WD	WD	WD	
1,2-Dichloroethane	0.06	ND	WD	WD	WD	
1,2 -Dichloropropane	1	ND	WD	WD	WD	
1,3-Dichlorobenzene	3		WD	WD	WD	
1,4-Dichlorobenzene	3		WD	WD	WD	
2-Butanone (MEK))	50	ND	WD	WD	WD	
2-Hexanone			WD	WD	WD	
4-Methyl-2-pentanone (MIBK)		ND	WD	WD	WD	
Acetone	50	ND	WD	WD	WD	
Benzene	1	ND	WD	WD	WD	
Bromodichloromethane	50	ND	WD	WD	WD	
Bromoform	50	ND	WD	WD	WD	
Bromomethane	5	ND	WD	WD	WD	
Carbon disulfide			WD	WD	WD	
Carbon tetrachloride	5	ND	WD	WD	WD	
Chlorobenzene	5	ND	WD	WD	WD	
Chloroethane	5	ND	WD	WD	WD	
Chloroform	7	ND	WD	WD	WD	
Chloromethane		ND	WD	WD	WD	
cis-1,2-Dichloroethene	5	***190 J***	WD	WD	WD	
Cis-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Cyclohexane			WD	WD	WD	
Dibromochloromethane			WD	WD	WD	
Dichlorodifluoromethane	5		WD	WD	WD	
Ethylbenzene	5	ND	WD	WD	WD	
Isoproylbenzene	5		WD	WD	WD	
Methyl acetate			WD	WD	WD	
Methyl tert-butyl ether	10		WD	WD	WD	
Methylcyclohexane			WD	WD	WD	

Methylene chloride	5	*190J*	WD	WD	WD	
Styrene	5	ND	WD	WD	WD	
Tetrachloroethene	***5***	ND	WD	WD	WD	
Toluene	5	ND	WD	WD	WD	
trans-1,2-Dichloroethene	5	ND	WD	WD	WD	
trans-1,3-Dichloropropene	0.4	ND	WD	WD	WD	
Trichloroethene	***5***	***2,700***	WD	WD	WD	
Trichlorofluoromethane	5		WD	WD	WD	
Vinyl chloride	2	ND	WD	WD	WD	
Xylenes, Total	5	ND	WD	WD	WD	

Other Analytes	GW Std (ug/L)	*Pre-ISCO*	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/19/20	**4th QTR**
Iron (EPA Method 6010B)	300	227 J	WD	WD	WD	
Manganese (EPA Method 6010B)			WD	WD	WD	
Nitrate as N (EPA Method 9056)	10,000	780	WD	WD	WD	
Chemical Oxygen Demand (EPA Method 410.4)		3,700 J	WD	WD	WD	
Total Organic Carbon (EPA Method 9060A)	NS	ND	WD	WD	WD	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B – Compound found in the blank and sample
F1- MS and/or MS Recovery exceeds the control limits
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not Sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OW1-4**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	1.0	NS	
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	NS	
1,1,2-Trichloro-1,2,2 trifluoroethane	5		ND	ND	NS	
1,1,2-Trichloroethane	1		ND	ND	NS	
1,1-Dichloroethane	5	ND	ND	ND	NS	
1,1-Dichloroethene	5	ND	ND	.38 J	NS	
1,2, 4-Trichlorobenzene	5		ND	ND	NS	
1,2-Dibromo-3-Chloropropane	0.04		ND	ND	NS	
1,2-Dibromoethane			ND	ND	NS	
1,2-Dichlorobenzene	3		ND	ND	NS	
1,2-Dichloroethane	0.06	ND	ND	ND	NS	
1,2 -Dichloropropane	1	ND	ND	ND	NS	
1,3-Dichlorobenzene	3		ND	ND	NS	
1,4-Dichlorobenzene	3		ND	ND	NS	
2-Butanone (MEK))	50	ND	ND	ND	NS	
2-Hexanone			ND	ND	NS	
4-Methyl-2-pentanone (MIBK)		ND	ND	ND	NS	
Acetone	50	ND	ND	ND	NS	
Benzene	1	ND	ND	ND	NS	
Bromodichloromethane	50	ND	ND	ND	NS	
Bromoform	50	ND	ND	ND	NS	
Bromomethane	5	ND	ND	ND	NS	
Carbon disulfide			ND	ND	NS	
Carbon tetrachloride	5	ND	ND	ND	NS	
Chlorobenzene	5	ND	ND	ND	NS	
Chloroethane	5	ND	ND	ND	NS	
Chloroform	7	ND	ND	ND	NS	
Chloromethane		ND	ND	ND	NS	
cis-1,2-Dichloroethene	5	***13 J***	***7.5***	***12***	NS	
cis-1,3-Dichloropropene	0.4		ND	ND	NS	
Cyclohexane			ND	ND	NS	
Dibromochloromethane			ND	ND	NS	
Dichlorodifluoromethane	5		ND	ND	NS	
Ethylbenzene	5	ND	ND	ND	NS	
Isoproylbenzene	5		ND	ND	NS	
Methyl acetate			ND	ND	NS	
Methyl tert-butyl ether	10		ND	ND	NS	
Methylcyclohexane			ND	ND	NS	

Methylene chloride	5	*12 J*	ND	ND	NS	
Styrene	5	ND	ND	ND	NS	
Tetrachloroethene	5	ND	2.6 J	1.9	NS	
Toluene	5	ND	ND	ND	NS	
trans-1,2-Dichloroethene	5	ND	ND	.25 J	NS	
trans-1,3-Dichloropropene	0.4	ND	ND	ND	NS	
Trichloroethene	***5***	***320***	***210***	***230***	NS	
Trichlorofluoromethane	5		ND	ND	NS	
Vinyl chloride	2	ND	ND	ND	NS	
Xylenes, Total	5	ND	ND	ND	NS	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	209 J	1,200 B	4,310	NS	
Manganese (EPA Method 6010B)			72 B	371	NS	
Nitrate as N (EPA Method 9056)	10,000	3,000	3,200	1,700	NS	
Chemical Oxygen Demand (EPA Method 410.4)		ND	16,100 J	65,100	NS	
Total Organic Carbon (EPA Method 9060A)	NS	ND	1,200	2,400	NS	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
B- Compound found in the blank and sample
F1- MS and/or MSD Recovery is outside acceptance limits
J – Includes an estimated value
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
NS – Not sampled
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

Analytes: VOC's EPA Method 8260B	**WELL OW2-2**		**2019** **1st QTR**	**2nd QTR**	**3rd QTR**	**4th QTR**
	GW Std (ug/L)	Pre-ISCO	3/21/19	6/20/19	9/20/19	
1,1,1-Trichloroethane	5	ND	ND	NS	ND	
1,1,2,2-Tetrachloroethane	5	ND	ND	NS	ND	
1,1,2-Trichloro-1,2,2 trifluoroethane	5	ND	ND	NS	ND	
1,1,2-Trichloroethane	1	ND	ND	NS	ND	
1,1-Dichloroethane	5	ND	ND	NS	ND	
1,1-Dichloroethene	5	ND	ND	NS	ND	
1,2, 4-Trichlorobenzene	5	ND	ND	NS	ND	
1,2-Dibromo-3-Chloropropane	0.04	ND	ND	NS	ND	
1,2-Dibromoethane		ND	ND	NS	ND	
1,2-Dichlorobenzene	3	ND	ND	NS	ND	
1,2-Dichloroethane	0.6	ND	ND	NS	ND	
1,2 -Dichloropropane	1	ND	ND	NS	ND	
1,3-Dichlorobenzene	3	ND	ND	NS	ND	
1,4-Dichlorobenzene	3	ND	ND	NS	ND	
2-Butanone (MEK))	50	ND	ND	NS	ND	
2-Hexanone		ND	ND	NS	ND	
4-Methyl-2-pentanone (MIBK)		ND	ND	NS	ND	
Acetone	50	ND	ND	NS	ND	
Benzene	1	ND	ND	NS	ND	
Bromodichloromethane	50	ND	ND	NS	ND	
Bromoform	50	ND	ND	NS	ND	
Bromomethane	5	ND	ND	NS	ND	
Carbon disulfide		ND	ND	NS	ND	
Carbon tetrachloride	5	ND	ND	NS	ND	
Chlorobenzene	5	ND	ND	NS	ND	
Chloroethane	5	ND	ND	NS	ND	
Chloroform	7	ND	ND	NS	ND	
Chloromethane		ND	ND	NS	ND	
cis-1,2-Dichloroethene	5	***140***	ND	NS	ND	
Cis-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Cyclohexane		ND	ND	NS	ND	
Dibromochloromethane		ND	ND	NS	ND	
Dichlorodifluoromethane	5	ND	ND	NS	ND	
Ethylbenzene	5	ND	ND	NS	ND	
Isoproylbenzene	5	ND	ND	NS	ND	
Methyl acetate		ND	ND	NS	ND	
Methyl tert-butyl ether	10	ND	ND	NS	ND	
Methylcyclohexane		ND	ND	NS	ND	

Methylene chloride	5	20 JB	ND	NS	ND	
Styrene	5	ND	ND	NS	ND	
Tetrachloroethene	5	ND	ND	NS	ND	
Toluene	5	ND	ND	NS	ND	
trans-1,2-Dichloroethene	5	ND	ND	NS	ND	
trans-1,3-Dichloropropene	0.4	ND	ND	NS	ND	
Trichloroethene	5	***1200***	***3.6***	NS	2.7	
Trichlorofluoromethane	5	ND	ND	NS	ND	
Vinyl chloride	2	ND	ND	NS	ND	
Xylenes, Total	5	ND	ND	NS	ND	

Other Analytes	GW Std (ug/L)	Pre-ISCO	**1st QTR** 3/21/19	**2nd QTR** 6/20/19	**3rd QTR** 9/20/19	**4th QTR**
Iron (EPA Method 6010B)	300	239,000	310 B	NS	3,000	
Manganese (EPA Method 6010B)		3,640	100 B	NS	660 B	
Nitrate as N (EPA Method 9056)	10,000	210	2,100	NS	1,400	
Chemical Oxygen Demand (EPA Method 410.4)		193,000	23,400 B	NS	31,600	
Total Organic Carbon (EPA Method 9060A)		ND	1,300	NS	1,400	

All values reported as ug/L
ND – Analyzed for but NOT DETECTED
NS – Not Sampled
J – Includes an estimated value
E-Result Exceeded calibration range
F1- MS and/or MSD Recovery exceeds the control limits
(*) No sample collected because well too dry
Pre ISCO data collected
Bold and italicized results indicate an exceedance of Groundwater Standards
GW Std – Class GA Groundwater Standard of Guidance from NYS Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998)

ATTACHMENTS

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. C734102

Site Name P&S / Boyd Ave.

Site Address: 50 Boyd Avenue Zip Code: 13209
City/Town: Solvay
County: Onondaga
Site Acreage: ~~17.8~~ 18.07

Reporting Period:

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet. See above		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
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?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

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

Box 2A

	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.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

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. C734102 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
001.-01-04.0		Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan
001.-01-05.0		Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan
001.-03-04.0		Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
001.-01-04.0	Cover System Vapor Mitigation
001.-01-05.0	Cover System Vapor Mitigation
001.-03-04.0	Cover System

Parcel	Engineering Control
	Vapor Mitigation

Engineering Control Details for Site No. C734102

Parcel: 001.-01-04.0

The following institutional and engineering controls have been put in place on the site:

- The sub-slab depressurization system will operate continuously as an engineering control inside the existing building to preclude soil vapor intrusion, and will be inspected and maintained periodically in accordance with the Site Management Plan.
- The cover system consisting of existing concrete or asphalt and new clean granular backfill or topsoil placed in areas of the site to preclude exposure to soil contamination will be inspected, maintained, and repaired as needed, as an engineering control, in accordance with the Site Management Plan.
- Groundwater monitoring shall be performed and reported in accordance with the Site Management Plan.
- A deed restriction had been placed on the site, as an institutional control, that limits future site use to commercial use.
- Future use of groundwater at the site is prohibited, as an institutional control.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan.
- The potential for vapor intrusion must be evaluated for any buildings developed on site, and any potential impacts that are identified must be monitored or mitigated.

Parcel: 001.-01-05.0

The following institutional and engineering controls have been put in place on the site:

- The sub-slab depressurization system will operate continuously as an engineering control inside the existing building to preclude soil vapor intrusion, and will be inspected and maintained periodically in accordance with the Site Management Plan.
- The cover system consisting of existing concrete or asphalt and new clean granular backfill or topsoil placed in areas of the site to preclude exposure to soil contamination will be inspected, maintained, and repaired as needed, as an engineering control, in accordance with the Site Management Plan.
- Groundwater monitoring shall be performed and reported in accordance with the Site Management Plan.
- A deed restriction had been placed on the site, as an institutional control, that limits future site use to commercial use.
- Future use of groundwater at the site is prohibited, as an institutional control.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan.
- The potential for vapor intrusion must be evaluated for any buildings developed on site, and any potential impacts that are identified must be monitored or mitigated.

Parcel: 001.-03-04.0

The following institutional and engineering controls have been put in place on the site:

- The sub-slab depressurization system will operate continuously as an engineering control inside the existing building to preclude soil vapor intrusion, and will be inspected and maintained periodically in accordance with the Site Management Plan.
- The cover system consisting of existing concrete or asphalt and new clean granular backfill or topsoil placed in areas of the site to preclude exposure to soil contamination will be inspected, maintained, and repaired as needed, as an engineering control, in accordance with the Site Management Plan.
- Groundwater monitoring shall be performed and reported in accordance with the Site Management Plan.
- A deed restriction had been placed on the site, as an institutional control, that limits future site use to commercial use.
- Future use of groundwater at the site is prohibited, as an institutional control.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site Management Plan.
- The potential for vapor intrusion must be evaluated for any buildings developed on site, and any potential impacts that are identified must be monitored or mitigated.

Box 5

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 compete.

YES	NO
☒	☐

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
☒	☐

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. C734102

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 David W. Stow at _____
print name print business address

am certifying as Owners Representative (Owner or Remedial Party)

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

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer 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.

I David W. Stowe at _____
print name print business address

am certifying as a professional geologist for the Pass and Seymour
(Owner or Remedial Party)

_____ _____ _____
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

professional geologist

GUIDANCE FOR PASS AND SEYMOUR TO MAINTAIN COMPLIANCE WITH BROWNFIELD PROGRAM

- If any disturbance of the ground is to occur check with DW Stoner and read the excavation work plan.

- Check SSDS pressure gauges at least monthly and record pressure(s), date and time. If any pressure falls below 0.5, call DW Stoner immediately.

- Make sure that vegetation is removed from areas marked as engineering controls at least annually. The goal is to eliminate vegetation that could disturb (break up) any paving, concrete slab or gravel area marked as an engineering control.

- Make sure that monitoring wells are not disturbed.

- When in doubt check the Site Management Plan and call DW Stoner.

David W. Stoner
Tel. no.: 315- 447-8733
Email: dstoner@dwstoner.com