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Revised 2021 PERIODIC REVIEW REPORT
FORMER SIGNORE, INC.
ELLICOTTVILLE, NEW YORK
BROWNFIELD CLEANUP PROGRAM
Site Number C905034

May 5, 2021
File No. 21.0056367.84

PREPARED FOR:
Iskalo Ellicottville Holdings, LLC
Williamsville, New York

GZA GeoEnvironmental of New York
300 Pearl Street, 7th Floor | Buffalo, New York 14202
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VIA EMAIL

May 5, 2021
File No. 21.0056367.84

Megan Kuczka – Environmental Program Specialist I
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203

Re: Revised 2021 Periodic Review Report
Former Signore, Inc.
Ellicottville, New York
Brownfield Cleanup Program Site (Number C905034)

Dear Ms. Kuczka:

GZA GeoEnvironmental of New York (GZA) is pleased to submit this Revised Periodic Review Report (PRR) on behalf of Iskalo Ellicottville Holdings, LLC (Iskalo). This revised PRR addresses your April 14, 2021 comments to the 2021 PRR that was submitted to the Department on April 9, 2021. Iskalo is the owner and operator of the Former Signore, Inc. Brownfield Cleanup Program (BCP) Site (No. C905034; Site) located at 55-57 Jefferson Street in Ellicottville, New York. The Certificate of Completion (COC) for this Site was issued by the New York State Department of Environmental Conservation (NYSDEC) on December 11, 2015. GZA prepared this PRR in general conformance with the guidelines provided to Iskalo by the NYSDEC in their reminder notice letter dated January 29, 2021.

Also, in response to your June 8, 2020 letter of acceptance of the 2020 PRR in which you requested certain data tables and figures be included in this PRR, GZA has provided those two requested tables and three requested maps.

If you have any questions or need additional information, please call Jim Richert at (716) 844-7048.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

Jim Richert

James J. Richert, P.G.
Senior Project Manager

Bart A. Klettke, P.E.
Principal

cc: David Chiazza (Iskalo Ellicottville Holdings, LLC)

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1.0 EXECUTIVE SUMMARY

1.1 BACKGROUND

The Former Signore, Inc. Site (Site) is in the Village of Ellicottville, Cattaraugus County, New York (**Figure 1**). The 8.43-acre BCP Site is part of the larger approximate 55-acre former Signore property addressed at 55-57 Jefferson Street. The 55-acre former Signore property is currently listed as a Class 4 site on the NYSDEC's Registry of Inactive Hazardous Waste sites (Site No. 905023), and involves groundwater contaminated with chlorinated volatile organic compounds (cVOCs).

The 8.43-acre BCP Site currently features a concrete slab (associated with a former 168,000 square foot main building that was demolished in July and August 2012) and three smaller vacant ancillary buildings. Additional Site features include a paved parking area along the eastern and southern side of the concrete slab, and gravel and short vegetative ground cover surrounding the concrete slab on its northern, southern, and western sides. The Site is bounded as follows:

- To the north by residences and the rest of the former Signore property;
- to the south by residences, the rest of the former Signore property, and wooded vacant land;
- to the east by Jefferson Street, residences, and a cemetery; and
- to the west by the rest of the former Signore property.

Environmental investigations identified localized petroleum-impacted soil and groundwater in historical underground storage tank (UST) areas. Groundwater sampling confirmed the presence of cVOCs at concentrations above NYSDEC Class GA groundwater criteria. Two interim remedial measures (IRMs) were completed in 2011 and 2013 to remove several USTs, septic tanks and associated impacted soils.

The remedial action objectives (RAOs) for groundwater targeted compliance with the NYSDEC Class GA criteria, and reducing the potential exposure from inhalation of organic vapors, ingestion, and dermal contact with contaminated groundwater.

In July 2015, GZA implemented an organic carbon electron donor substrate (OCEDS) injection program to enhance and accelerate natural attenuation of cVOCs in the groundwater.

A Certificate of Completion (COC) of the BCP remedy was issued by NYSDEC to Iskalo on December 11, 2015.

Institutional Controls Include:

- Property use may include restricted residential, restricted commercial, and/or restricted industrial uses;
- Groundwater may not be used without prior treatment and approval of the regulator;
- All future activities that will disturb remaining subsurface contaminated material must be conducted as defined in the Site Management Plan (SMP) (in the Excavation Work Plan);
- Access to the Site must be provided to representatives of the State of New York;

Engineering Controls Include:

- Evaluation of vapor intrusion on new buildings and/or installation and operation of vapor mitigation systems;

Modifications to the SMP:

- In a letter from the Department dated August 15, 2018, Iskalo received acceptance of the 2018 PRR and of the recommendation there-in to decrease the sampling frequency of the BCP Site post-injection monitoring wells and ROD-Required monitoring wells from semi-annual to annual.

- On April 30, 2019, the Department accepted the 2019 PRR and the recommendations therein.

- On June 8, 2020, the Department accepted the 2020 PRR and IC/EC Certification form for inspection period March 12, 2019 to March 12, 2020. In this same letter, the Department accepted a recommendation in the PRR to reduce the frequency of monitoring of the ROD-Required wells from annual to biennial.

- On April 30, 2021 Iskalo submitted to NYSDEC a Draft amended SMP which includes a recommendation that sampling of both the post-injection wells and the ROD-required wells be conducted biennially for cVOCs, with the next sampling event to be conducted during the summer of 2021. Approval of the amended SMP is pending.

1.2 EFFECTIVENESS OF THE REMEDIAL PROGRAM

Contaminant sources have been removed from the Site. Natural attenuation of cVOCs in the groundwater continues to reduce their concentrations as indicated by data collected during groundwater monitoring program. Potential impacts of vapor intrusion will be evaluated for any new on-site buildings and vapor mitigation implemented as necessary. Therefore, the Site remedy continues to be effective at meeting the Site's RAOs.

1.3 COMPLIANCE

On October 11, 2020, GZA observed the Site as in compliance with the SMP. The Institutional Controls and Engineering Controls (IC/ECs) remain in place and there are no active remedial systems requiring operation, maintenance, or monitoring.

1.4 RECOMMENDATIONS

- GZA and Iskalo recommend no changes to the frequency of annual Site Inspections or annual PRR submittals at this time. Implementation of the SMP, including the Excavation Work Plan, evaluation for soil vapor intrusion during site development, and annual (post-injection wells) and biennial (ROD-required wells) groundwater monitoring will continue in conformance with the Environmental Easement.

- Iskalo is awaiting NYSDEC approval of an amended SMP which was submitted on April 30, 2021 in which a recommendation is made for changing the sampling frequency of both the post-injection wells and the ROD-required wells to biennially for cVOCs.

1.5 SITE LOCATION AND FEATURES

The Former Signore, Inc. Site is in the Village of Ellicottville, Cattaraugus County, New York (**Figure 1**). The 8.43-acre BCP Site is part of the larger approximate 55-acre former Signore property addressed at 55-57 Jefferson Street. The 55-acre former Signore property is currently listed as a Class 4 site on the NYSDEC's Registry of Inactive Hazardous Waste sites (Site No. 905023), and includes groundwater contaminated with chlorinated volatile organic compounds (cVOCs).

The BCP Site currently features a concrete slab foundation associated with the former main building, as well as three smaller ancillary buildings that are vacant. Areas off of the concrete slab include a paved parking area along the eastern and southern side of the slab, and gravel and short vegetative ground cover surrounding the slab on its northern, southern, and western sides.

The Site is bounded as follows:

- To the north by residences and the rest of the former Signore property;
- to the south by residences, the rest of the former Signore property, and wooded vacant land;
- to the east by Jefferson Street, residences, and a cemetery; and
- to the west by the rest of the former Signore property.

1.6 INVESTIGATION AND REMEDIAL HISTORY

The Site formerly included localized petroleum-impacted soil and groundwater in historical UST areas, which were remediated during two IRMs in 2011 and 2013. Several USTs and septic tanks and associated impacted soils were removed during these IRMs. Groundwater sampling events conducted prior to and following the IRMs indicated the presence of cVOCs at concentrations above groundwater criteria. GZA determined that the cVOC-impacted groundwater at the Site would require remediation to reduce contaminant concentrations prior to the anticipated redevelopment.

The Remedial Action Objectives (RAOs) for the Site included:

Groundwater:

- Prevent ingestion of groundwater with contaminant levels exceeding NYSDEC Class GA drinking water standards.
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.
- Restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Prevent the discharge of contaminants to surface water.
- Remove the source of ground or surface water contamination.

Soil:

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota from ingestion/direct contact with soil causing toxicity or impacts from bioaccumulation through the terrestrial food chain.

Soil Vapor:

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the Site.

In July 2015, GZA implemented an OCEDS injection program to enhance and accelerate natural attenuation of cVOCs.

Remediation of the Site under the BCP followed Track 2 of the program to achieve restricted residential cleanup status. Soils with constituents exceeding the NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for Restricted Residential Use (RRSCOs) were remediated during the IRM activities conducted in 2011 and 2013. Additional remedial actions pertaining to subsurface soils were not required as part of the final remedy. Based on the results of the groundwater sampling conducted following the full-scale OCEDS injection program, the OCEDS injections were successful in reducing total cVOC concentrations, and continued reductions in concentrations by enhanced natural attenuation are anticipated.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

GZA performed an annual Site Inspection on October 11, 2020, during the reporting period. A log of photographs taken during the inspection is provided in **Appendix A**, a Site inspection form was completed (**Appendix B**), and a map showing the locations and orientation of the Site photographs is provided as **Figure 2**. No evidence of Site activity or excavations were observed during the inspection. The Site groundwater monitoring wells remain present for continued monitoring use and the Site remains vacant and undeveloped (excepting the remaining concrete slab and three ancillary buildings).

The Site remedy continues to be effective at meeting the Site RAOs for protection of potential current and future Site users.

3.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL (IC/EC) PLAN COMPLIANCE REPORT

3.1 IC/EC REQUIREMENTS AND COMPLIANCE

IC/ECs for the Site were determined by NYSDEC and specified in the Decision Document (DD) issued by NYSDEC on July 24, 2015. The IC/ECs were carried forward in the Environmental Easement (EE), issued by NYSDEC on July 28, 2015, and later again included in the Site Management Plan (SMP) (prepared by GZA and approved by NYSDEC on October 6, 2015). Complete lists of the Site IC and ECs are provided in Sections 3.2 and 3.3 of the SMP. Summary lists of the ICs and ECs for the Site are provided as follow:

Summary of Site Institutional Controls:

- Property use may include restricted residential, restricted commercial, and/or restricted industrial uses;
- Groundwater may not be used without prior treatment and approval of the regulator;
- Access to the Site must be provided to representatives of the State of New York;
- Groundwater monitoring must be performed and reported as defined in the SMP;
- All future activities that will disturb remaining subsurface contaminated material must be conducted as defined in the SMP; and

- The potential for vapor intrusion must be evaluated for any buildings developed on the Site and any potential impacts identified must be monitored or mitigated.

Summary of Site Engineering Controls:

- Vapor intrusion will be evaluated on new buildings and mitigation systems. Sub-slab depressurization system(s), if installed, will be operated and monitored with NYSDEC and NYSDOH concurrence.
- Groundwater monitoring to assess natural attenuation will continue, as determined by NYSDEC in consultation with NYSDOH, until residual groundwater concentrations are found consistently below ambient water quality standards or have become asymptotic at an acceptable level over an extended period.

With the exception of the annual inspection of the Site conducted on October 11, 2020, there were no Site activities conducted during the reporting period of March 12, 2020 to March 12, 2021.

Based on observations made during the Site inspection and discussions with Iskalo, the Site owner is complying with the IC/ECs. The Site remains undeveloped and inactive. The Site groundwater monitoring wells remain in place and functional. No occupied building structures are present on-Site and Site groundwater is not being used.

3.2 IC/EC CERTIFICATION

The Site-specific IC/EC Certification Form, for reporting period of March 12, 2020 to March 12, 2021, was provided to Iskalo as an attachment to the January 29, 2021 Reminder Notice letter sent by NYSDEC. This form has been completed by Iskalo as Site owner. The completed IC/EC Certification Form for this reporting period is provided in **Appendix C** of this PRR.

4.0 PRR CONCLUSIONS AND RECOMMENDATIONS

4.1 PRR CONCLUSIONS

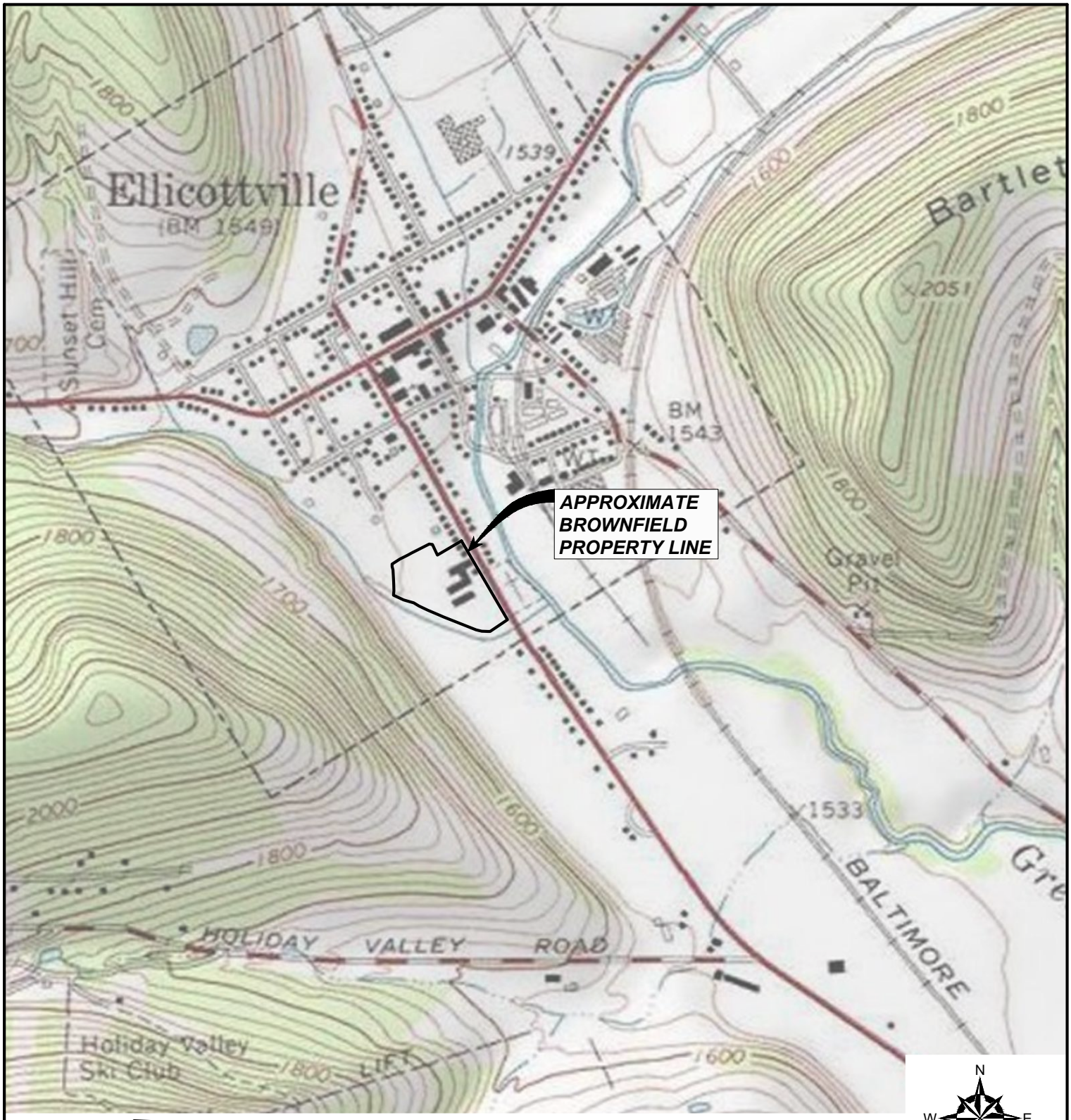
GZA observed the BCP Site to be in compliance with provisions of the SMP. The IC/ECs remain in place and are unchanged since the ending of the prior reporting period. There are no active remedial systems requiring operation, maintenance, or monitoring.

4.2 PRR RECOMMENDATIONS

Iskalo is awaiting NYSDEC approval of an amended SMP which was submitted on April 30, 2021 within which a recommendation is made to change the sampling frequency of the post-injection wells to biennially for cVOCs.

Iskalo recommends no changes to the frequency of annual Site Inspections or annual PRR submittals at this time. Implementation of the SMP, including the Excavation Work Plan, evaluation for soil vapor intrusion during site development, and groundwater monitoring will proceed in conformance with the Environmental Easement.

FIGURES



NOTE:
BASE MAP ADAPTED FROM USA TOPO MAPS USING ArcGIS AUTOCAD PLUGIN

NO.	ISSUE/DESCRIPTION	BY	DATE

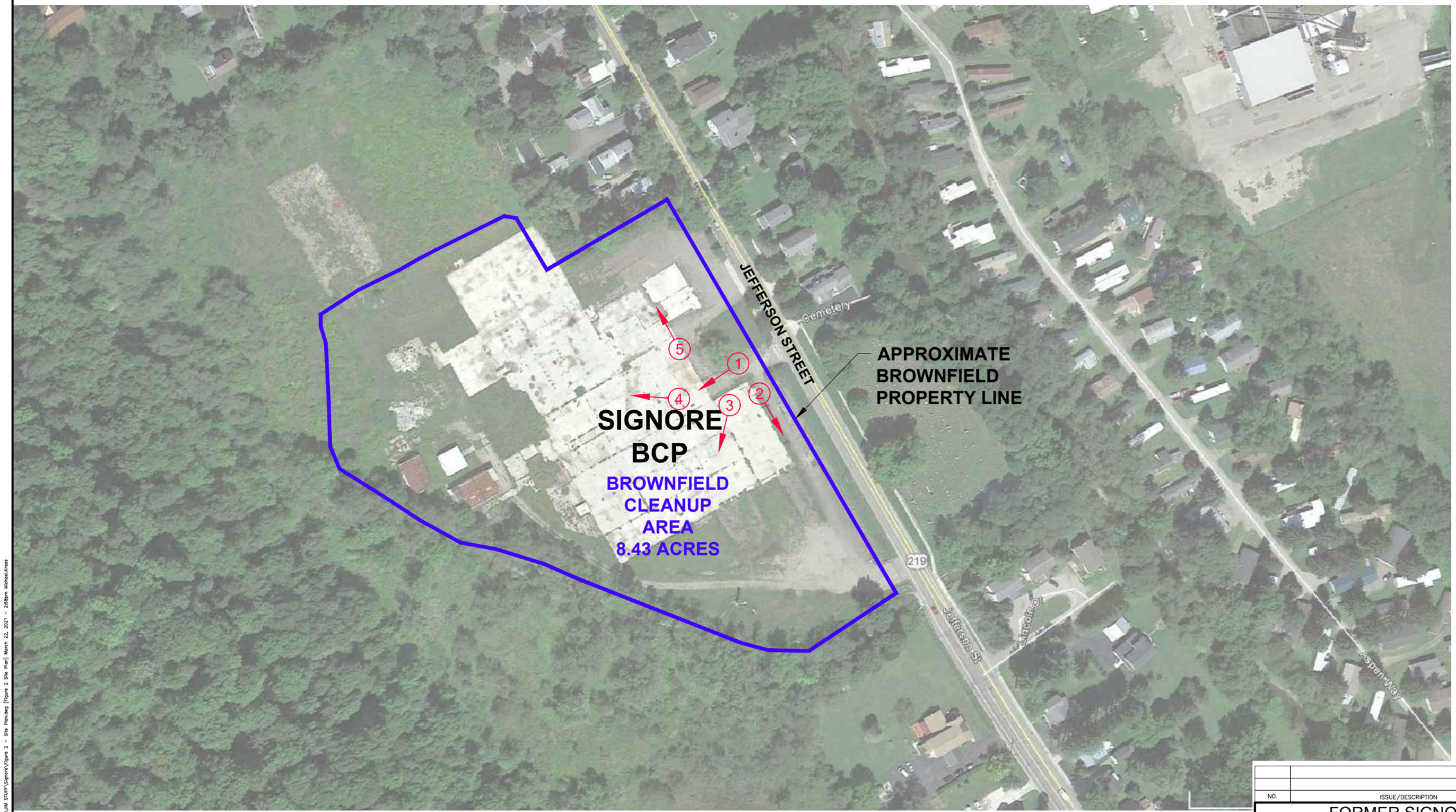
PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
BUFFALO, NEW YORK 14202
(716) 685-2300

PREPARED FOR:
ISKALO ELLICOTTVILLE HOLDINGS, LLC

FORMER SIGNORE, INC.
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK
BROWNFIELD CLEANUP PROGRAM
SITE NO. C905034
PERIODIC REVIEW REPORT
LOCUS PLAN

FIGURE
1

PROJ MGR:	JJR	REVIEWED BY:	JJR	CHECKED BY:	BAK	DATE	PROJECT NO.	REVISION NO.
DESIGNED BY:	JJR	DRAWN BY:	DEW	SCALE:	AS SHOWN	APRIL 2020	21.0056367.83	



NOTES:

1. BASE MAP ADAPTED FROM A 2016 AERIAL PHOTO DOWNLOADED FROM GOOGLE EARTH PRO AND FIELD OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

(1) → APPROXIMATE LOCATION AND ORIENTATION OF INSPECTION PHOTOGRAPHS COLLECTED ON 10-11-2020 (SEE APPENDIX A)

0 75 150 300

SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER SIGNORE, INC.

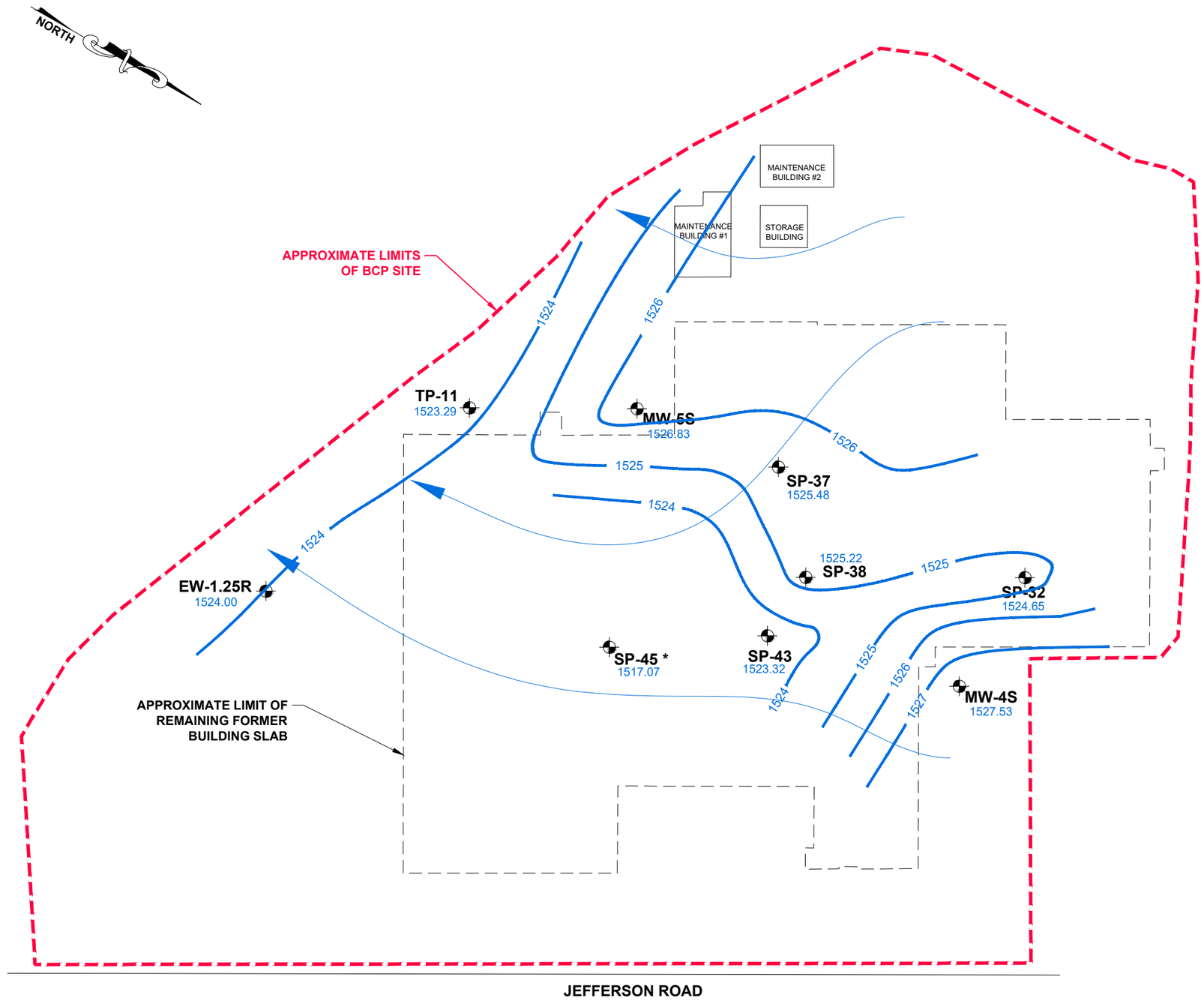
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK
BROWNFIELD CLEANUP PROGRAM
SITE NO. C905034

PERIODIC REVIEW REPORT
PHOTOGRAPH ORIENTATION MAP

PREPARED BY:
GZA GeoEnvironmental of N.Y.
Engineers and Scientists
300 PEARL STREET, SUITE 700
BUFFALO, NEW YORK 14202
(716) 685-2300

PREPARED FOR:
ISKALO ELLICOTTVILLE HOLDINGS, LLC

PROJ MGR: JJR	REVIEWED BY: JJR	CHECKED BY: BAK	FIGURE 2
DESIGNED BY: JJR	DRAWN BY: DEW	SCALE: AS SHOWN	
DATE MARCH 2021	PROJECT NO. 21.0056367.84	REVISION NO.	



LEGEND:

SP-37 1525.48 — APPROXIMATE LOCATION AND DESIGNATION OF 1" MICROWELL.GROUNDWATER ELEVATION MEASURED ON JUNE 11 & 14, 2019.

1525 — APPROXIMATE LOCATION AND ELEVATION OF GROUNDWATER CONTOUR LINE BASED ON MEASUREMENTS TAKEN ON JUNE 11 & 14, 2019.

GROUNDWATER FLOW

NOTES:

1. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

2. GROUNDWATER ELEVATIONS WILL VARY DUE TO PRECIPITATION, BAROMETRIC PRESSURE AND OTHER FACTORS.

3. *THE WATER ELEVATION MEASUREMENT AT WELL SP-45 WAS ANOMALOUSLY LOW AND SUSPECT. THUS IT WAS NOT INCLUDED IN THE CONTOURS.

0 40 80 160

SCALE IN FEET

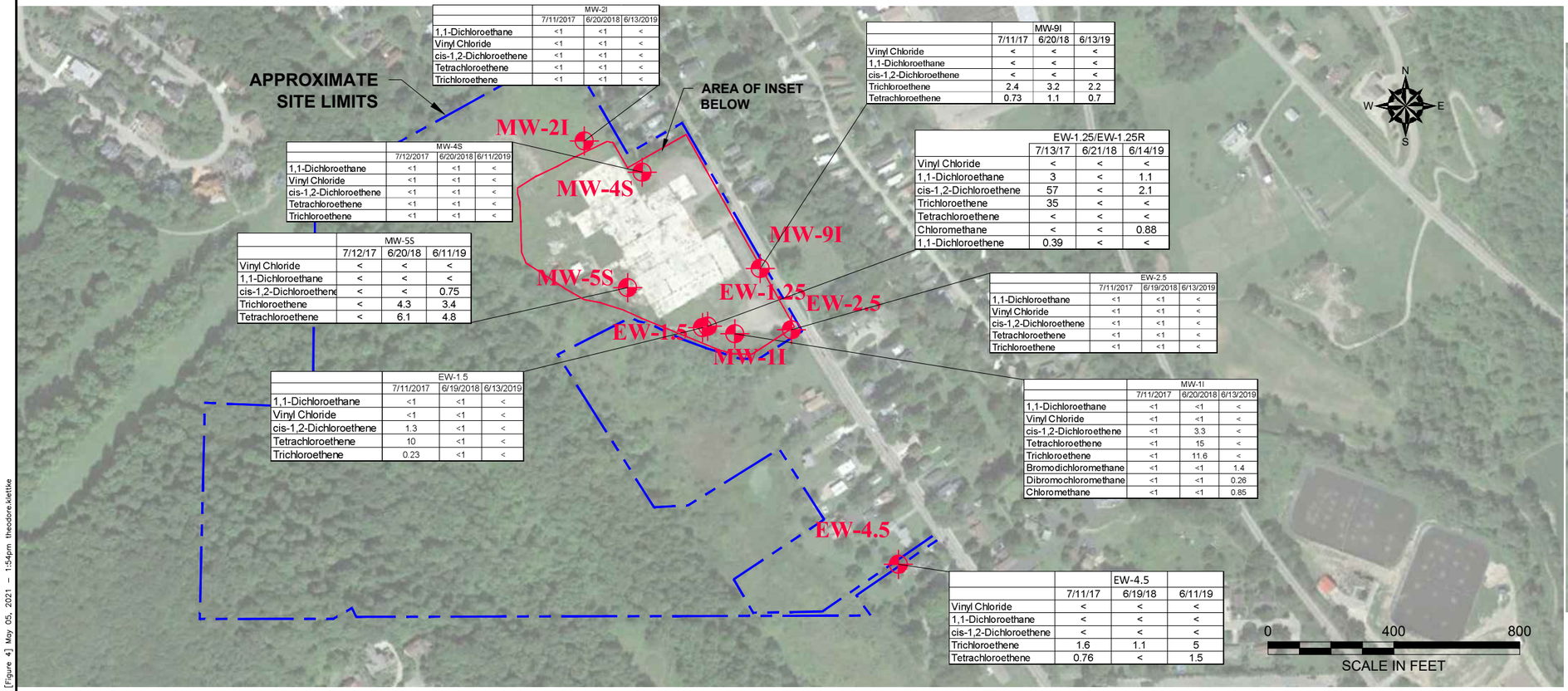
NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER SIGNORE FACILITY
55-57 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK
BROWNFIELD CLEANUP PROGRAM SITE NO. C905034

PERIODIC REVIEW REPORT
SHALLOW OVERBURDEN GROUNDWATER CONTOUR MAP

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		ISKALO ELLICOTTVILLE HOLDINGS, LLC	
PROJ MGR: JR	REVIEWED BY: BAK	CHECKED BY: BAK	FIGURE 3
DESIGNED BY: JR	DRAWN BY: MDK	SCALE: AS SHOWN	
DATE: MARCH 2021	PROJECT NO. 21.0056367.84	REVISION NO.	

GZA-C:\Users\michael.kress\Desktop\JIM STUFF\SignorePost Injection Figures\Figure 1.dwg [Figure 3] March 23, 2021 - 6:00pm Michael.Kress



	MW-2I		
	7/11/2017	6/20/2018	6/13/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	<1	<1	<
Trichloroethene	<1	<1	<

	MW-4S		
	7/12/2017	6/20/2018	6/11/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	<1	<1	<
Trichloroethene	<1	<1	<

	MW-5S		
	7/12/17	6/20/18	6/11/19
Vinyl Chloride	<	<	<
1,1-Dichloroethane	<	<	<
cis-1,2-Dichloroethene	<	<	0.75
Trichloroethene	<	4.3	3.4
Tetrachloroethene	<	6.1	4.8

	EW-1.5		
	7/11/2017	6/19/2018	6/13/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	1.3	<1	<
Tetrachloroethene	10	<1	<
Trichloroethene	0.23	<1	<

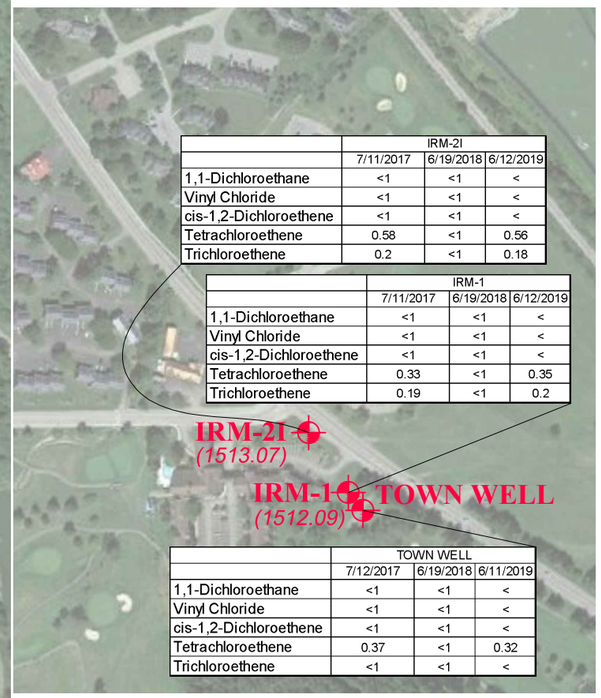
	MW-9I		
	7/11/17	6/20/18	6/13/19
Vinyl Chloride	<	<	<
1,1-Dichloroethane	<	<	<
cis-1,2-Dichloroethene	<	<	<
Trichloroethene	2.4	3.2	2.2
Tetrachloroethene	0.73	1.1	0.7

	EW-1.25/EW-1.25R		
	7/13/17	6/21/18	6/14/19
Vinyl Chloride	<	<	<
1,1-Dichloroethane	3	<	1.1
cis-1,2-Dichloroethene	57	<	2.1
Trichloroethene	35	<	<
Tetrachloroethene	<	<	<
Chloromethane	<	<	0.88
1,1-Dichloroethene	0.39	<	<

	EW-2.5		
	7/11/2017	6/19/2018	6/13/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	<1	<1	<
Trichloroethene	<1	<1	<

	MW-1I		
	7/11/2017	6/20/2018	6/13/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	3.3	<
Tetrachloroethene	<1	15	<
Trichloroethene	<1	11.6	<
Bromodichloromethane	<1	<1	1.4
Dibromochloromethane	<1	<1	0.26
Chloromethane	<1	<1	0.85

		EW-4.5	
	7/11/17	6/19/18	6/11/19
Vinyl Chloride	<	<	<
1,1-Dichloroethane	<	<	<
cis-1,2-Dichloroethene	<	<	<
Trichloroethene	1.6	1.1	5
Tetrachloroethene	0.76	<	1.5



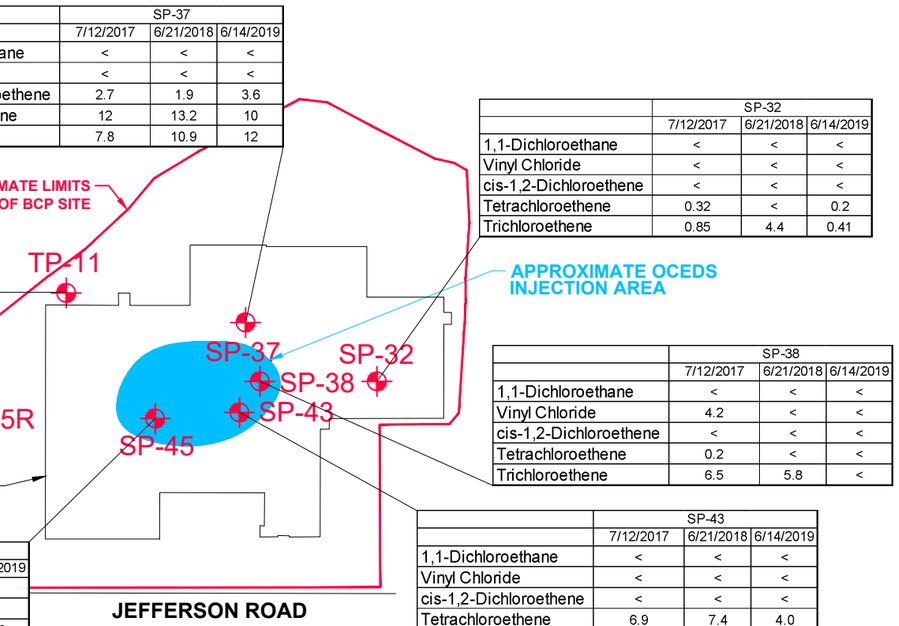
	IRM-2I		
	7/11/2017	6/19/2018	6/12/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	0.58	<1	0.56
Trichloroethene	0.2	<1	0.18

	IRM-1		
	7/11/2017	6/19/2018	6/12/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	0.33	<1	0.35
Trichloroethene	0.19	<1	0.2

	TOWN WELL		
	7/12/2017	6/19/2018	6/11/2019
1,1-Dichloroethane	<1	<1	<
Vinyl Chloride	<1	<1	<
cis-1,2-Dichloroethene	<1	<1	<
Tetrachloroethene	0.37	<1	0.32
Trichloroethene	<1	<1	<

LEGEND:

MW-5S — APPROXIMATE LOCATION AND DESIGNATION OF GROUNDWATER MONITORING WELL



	SP-37		
	7/12/2017	6/21/2018	6/14/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	<	<	<
cis-1,2-Dichloroethene	2.7	1.9	3.6
Tetrachloroethene	12	13.2	10
Trichloroethene	7.8	10.9	12

	TP-11		
	7/12/2017	6/20/2018	6/13/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	<	<	<
cis-1,2-Dichloroethene	8.1	12.4	9.7
Tetrachloroethene	0.25	<	0.49
Trichloroethene	40	66.7	41

	EW-1.25/EW-1.25R		
	7/13/17	6/21/18	6/14/19
Vinyl Chloride	<	<	<
1,1-Dichloroethane	3	<	1.1
cis-1,2-Dichloroethene	57	<	2.1
Trichloroethene	35	<	<
Tetrachloroethene	<	<	<
Chloromethane	<	<	0.88
1,1-Dichloroethene	0.39	<	<

	SP-32		
	7/12/2017	6/21/2018	6/14/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	<	<	<
cis-1,2-Dichloroethene	<	<	<
Tetrachloroethene	0.32	<	0.2
Trichloroethene	0.85	4.4	0.41

	SP-38		
	7/12/2017	6/21/2018	6/14/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	4.2	<	<
cis-1,2-Dichloroethene	<	<	<
Tetrachloroethene	0.2	<	<
Trichloroethene	6.5	5.8	<

	SP-45		
	7/13/2017	6/21/2018	6/14/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	1.7	<	<
cis-1,2-Dichloroethene	2.0	1.4	1.3
Tetrachloroethene	45	18.7	17
Trichloroethene	10	5.4	4.6

	SP-43		
	7/12/2017	6/21/2018	6/14/2019
1,1-Dichloroethane	<	<	<
Vinyl Chloride	<	<	<
cis-1,2-Dichloroethene	<	<	<
Tetrachloroethene	6.9	7.4	4.0
Trichloroethene	0.2	<	0.58
Chrloromethane	<	<	0.92

0 200 400

SCALE IN FEET

NOTES:

1. BASE MAP ADAPTED FROM A 2016 AERIAL PHOTO DOWNLOADED FROM GOOGLE EARTH PRO.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

3. VALUES SHOWN IN TABLES ARE PRESENTED IN PARTS PER BILLION (ppb).

NO.	ISSUE/DESCRIPTION	BY	DATE

FORMER SIGNORE FACILITY
55 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

PERIODIC REVIEW REPORT
RECENT GROUNDWATER SAMPLING RESULTS

PREPARED BY:
GZA GeoEnvironmental of N.Y.
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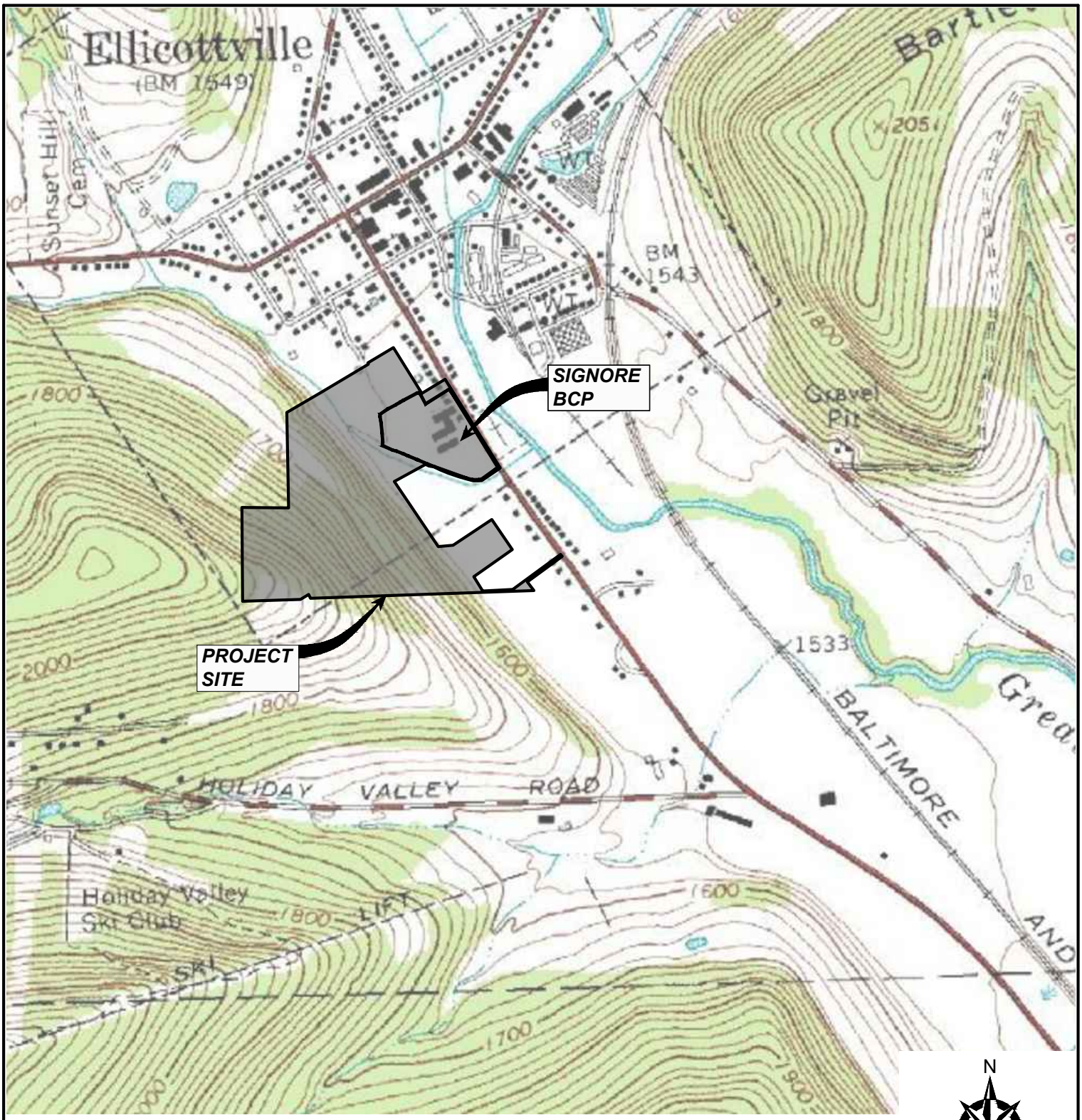
PREPARED FOR:
ISKALO ELLICOTTVILLE HOLDINGS, LLC

PROJ MGR: JR	REVIEWED BY: BAK	CHECKED BY: BAK	FIGURE 4
DESIGNED BY: JR	DRAWN BY: MDK	SCALE: AS SHOWN	
DATE MAY 2021	PROJECT NO. 21.0056367.84	REVISION NO.	



NOTE:
BASE MAP ADAPTED FROM U.S.G.S. TOPOGRAPHIC MAPS DOWNLOADED FROM http://msrmaps.com

0 500 1000 2000
SCALE IN FEET

N
W E
S

NO.	ISSUE/DESCRIPTION	BY	DATE

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FORMER SIGNORE FACILITY
55 JEFFERSON STREET
ELLICOTTVILLE, NEW YORK

GROUNDWATER MONITORING WELL SAMPLING JUNE 2019

LOCUS PLAN

FIGURE
1

PROJ MGR:	TB	REVIEWED BY:	BAK	CHECKED BY:	BAK	DATE	PROJECT NO.	REVISION NO.
DESIGNED BY:	TB	DRAWN BY:	DEW	SCALE:	AS SHOWN	JULY 2019	21.0056491.80	

TABLES

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-1.25 / EW-1.25R (from June 2019)																	
		4/23/09	10/22/09	6/3/10	4/14/11	10/14/11	5/9/12	10/31/12	6/25/13	10/16/13	6/10/14	10/14/14	6/4/15	10/21/15	6/15/16	10/25/16	7/13/17	6/21/18	6/14/19
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	3.8	2.3 J	<1.5	<1.5	<5.0	6.8
2-Butanone	50	<	<	<	<	4.2J	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	<5.0	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	0.77J	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	0.88 J
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.18 J
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Carbon disulfide	NV	<	<	1.4	<	1.2	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	1.8 J	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	2	9.7	9.1	8.4	6.3	6	3.8	16	4.6	5	2.4	4.7	2.6	3.3	3.2	6.6	<1	<1	<
1,1-Dichloroethene	5*	<	0.88	0.85	.86J	<	< 1	1.4	< 1	< 1	< 1	0.34 J	0.25 J	0.36 J	0.24 J	0.48 J	0.39 J	<1	<
1,1-Dichloroethane	5	8.6	8.7	6.0	6.1	6.7	4.8	5.9	4.1	4.1	2.9	3.8	3	4.2	2.9	3.9	3.0	<1	1.1 J
trans-1, 2-Dichloroethene	5	<	0.92	0.66	.91J	.81J	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	0.79 J	<1	<1	<
cis-1,2-Dichloroethene	5	60	69	39	45	44	32	98	31	32	23	32	29	44	28	98	57	<1	2.1 J
1,1,1-Trichloroethane	5	1.5	0.82	0.65	.78J	.64J	< 1	2	< 1	< 1	< 1	0.80 J	<1	<1	<1	0.70 J	<1	<1	<
Trichloroethene	5	88	90	73	56	90	59	1.7	51	59	41	54	47	58	47	0.27 J	35	<1	<
Tetrachloroethene	5	7.5	5.6	5.6	4.2	8.3	5.9	< 1	3.3	3.8	3.6	5.0	3.1	1.8	3.1	<1	0.73	<1	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<
Total VOCs		175.3	185.0	135.6	120.15	161.85	105.50	125.00	94.77	103.90	72.90	100.64	84.95	115.46	86.74	110.74	97.92		11.06

Parameter	Class GA Criteria	MW-4S																	
		4/23/09	10/22/09	6/2/10	4/14/11	10/13/11	5/10/12	10/31/12	6/25/13	10/15/13	6/6/14	10/15/14	6/3/15	10/21/15	6/15/16	10/25/16	7/12/17	6/20/18	6/11/19
Volatile Organic Compounds - EPA Method 8260 TCL (ug/L)																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.3 J	<	<	<	< 5	3.0 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	1.2 J
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Carbon Disulfide	NV	<	<	1.3	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	< 1	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	< 1	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.36 J	0.22 J	0.32 J	0.18 J	<1	<1	< 1	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs				1.3								0.36	0.22	2.62	0.18				4.20

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-1.5																	
		4/23/09	10/22/09	6/2/10	4/14/11	10/14/11	5/9/12	10/31/12	6/25/13	10/16/13	6/9/14	10/14/14	6/2/15	10/21/15	6/14/16	10/25/16	7/11/17	6/19/18	6/13/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	1.5 J	< 1.5	< 1.5	< 1.5	<5.0	3.0 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Carbon disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
cis-1,2-Dichloroethene	5	2.1	4.6	2.2	3.3	1.7	2.1	2.9	1.3	< 1	1.6	2.7	2.0 J	2.1 J	1.6 J	1.2 J	1.3 J	<1	<
1,1,1-Trichloroethane	5	4.1	2.7	1.9	2.6	1.3	1.7	< 1	1.2	< 1	< 1	1.4 J	1.2 J	1.2 J	<1	0.90 J	1.2 J	<1	<
Trichloroethene	5	18	20	14	19	9.5	13.0	9.0	8.4	3.9	10	13	13	11	6.4	10	10	<1	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.22 J	0.20 J	0.22 J	<1	0.24 J	0.23 J	<1	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<
Total VOCs		24.2	27.3	18.1	24.9	12.5	16.8	11.9	10.9	3.9	11.6	17.32	16.30	16.02	8.00	12.34	12.73		3.00

Parameter	Class GA Criteria	MW-5S																	
		4/23/09	10/22/09	6/3/10	4/14/11	10/13/11	5/9/12	10/31/12	6/25/13	10/15/13	6/6/14	10/14/14	6/2/15	10/22/15	6/15/16	10/24/16	7/12/17	6/20/18	6/11/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	4 J	3.4 J	<1.5	<	< 5	1.6 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	<2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	0.99J	< 1	< 1	< 1	< 1	< 1	1.2 J	<1	<1	< 1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	<
cis-1,2-Dichloroethene	5	<	<	<	.72J	<	0.9J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	< 1	0.75 J
1,1,1-Trichloroethane	5	3.4	3.1	1.7	.61J	2.9	0.59J	< 1	0.52J	2.0	< 1	0.94 J	<1	<1	<1	<1	<1	< 1	<
Trichloroethene	5	30.0	22.0	14.0	12.0	15.0	17.0	3.1	6.9	8.1	2.7	4.0	0.75	1.60	2.70	0.72	<1	4.3	3.4
Tetrachloroethene	5	5.6	3.3	2.2	13.0	4.4	9.5	2.6	3.5	3.9	4.6	3.7	3.8	5.8	4.9	3.8	<1	6.1 CH	4.8
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs		39.0	28.4	17.9	26.3	22.3	27.7	5.7	11.9	14.0	7.3	8.64	4.55	11.40	12.20	4.52		10.40	10.55

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-2.5																	
		4/23/09	10/22/09	6/2/10	4/13/11	10/13/11	5/9/12	11/1/12	6/26/13	10/17/13	6/9/14	10/15/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/13/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.4 J	1.7 J	<1.5	<1.5	<5.0	2.3 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	1.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Carbon disulfide	NV	<	<	<	0.94 J	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Naphthalene	10	<	<	<	1.3	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<
Total VOCs					2.2				1.4					2.4	1.7				2.30

Parameter	Class GA Criteria	MW-9I																	
		4/23/09	10/22/09	6/2/10	4/14/11	10/13/11	5/9/12	11/1/12	6/25/13	10/15/13	6/9/14	10/15/14	6/3/15	10/22/15	6/14/16	10/24/16	7/11/17	6/20/18	6/13/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	2.7 J	1.6 J	<1.5	<1.5	< 5	1.9 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1,1-Trichloroethane	5	2.2	1.6	0.9	1.4	1.4	0.89J	1.3	0.84J	< 1	< 1	0.85 J	0.72 J	0.73 J	<1	<1	<1	< 1	<
Trichloroethene	5	4.6	4.5	2.9	3.6	3.7	2.7	3.1	2.4	3.4	2.3	3.0	2.7	3.0	1.5	2.4	2.4	3.2	2.2
Tetrachloroethene	5	1.0	0.86	0.6	1.0	0.8	< 1	< 1	< 1	< 1	0.99J	0.82	0.72	0.96	0.34 J	0.71	0.73	1.1 CH	0.7
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs		7.8	7.0	4.4	6.0	5.9	3.6	4.4	3.2	3.4	3.29	4.67	4.27	7.39	3.44	3.11	3.13	4.30	4.80

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	EW-4.5																	
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/9/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/11/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<	4.1 J	<1.5	<1.5	< 5	3 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.73 J
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Carbon disulfide	NV	<	<	<	.63J	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	0.83J	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
cis-1,2-Dichloroethene	5	<	0.72	<	1.2	.51J	0.61J	< 1	0.76J	< 1	< 1	< 1	< 1	< 1	< 1	0.81 J	<1	<1	<
1,1,1-Trichloroethane	5	2.5	1.3	0.97	1.9	1.3	1.2	1.2	1.1	< 1	< 1	0.76 J	0.77 J	<1	<1	<1	<1	<1	<
Trichloroethene	5	8.0	7.9	5.5	10	6.9	7.6	7.0	6.8	5.8	5.0	5.4	5.4	3.9	4.6	4.6	1.6	1.1	5
Tetrachloroethene	5	2.0	1.7	1.1	2.5	1.5	1.5	1.6	1.6	1.4	1.7	1.5	1.7	1.2	1.3	1.6	0.76	< 1	1.50
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs		12.5	11.6	7.6	16.2	10.2	10.9	9.8	13.6	7.2	6.7	7.66	7.86	5.10	10.00	7.01	2.36	1.10	10.23

Parameter	Class GA Criteria	IRM-1																	
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/6/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/12/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<	3.0 J	<1.5	<1.5	< 5	2.1 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	1.4	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	0.66J	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1,1-Trichloroethane	5	<	<	<	0.54J	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Trichloroethene	5	<	<	<	0.69J	.52J	< 1	< 1	0.52J	< 1	< 1	0.34 J	0.35 J	0.38 J	0.32 J	0.36 J	0.33 J	< 1	0.35 J
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.25 J	<1	0.23 J	0.19 J	< 1	0.2 J
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs					1.23	0.52			2.58			0.34	0.35	0.63	3.32	0.59	0.52		2.65

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	MW-1I																	
		4/23/09	10/22/09	6/2/10	4/14/11	10/14/11	5/9/12	10/5/12	6/25/13	10/15/13	6/9/14	10/15/14	6/2/15	10/22/15	6/14/16	10/25/16	7/11/17	6/20/18	6/13/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<.1.5	<.1.5	<.1.5	1.9 J	<5.0	4.5 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	<5.0	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	1.4
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	0.26 J
Chloromethane	NV	<	<	0.62	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	0.85 J
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Carbon disulfide	NV	<	<	<	<	1.1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.53 J	<1	<1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
1,1-Dichloroethane	5	4.7	4.7	3.5	3.4	3.8	2.8	2.6	2.0	2.1	1.6	2.3 J	1.9 J	2.5	1.7 J	1.2 J	<1	1.1 L2	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
cis-1,2-Dichloroethene	5	4.2	5.7	2.2	2.5	2.2	1.2	3.1	2.9	1.8	< 1	1.8 J	0.87 J	0.80 J	1.6 J	7.1	<1	3.3	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<1	<
Trichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	2.8	2	<1	3	11	<1	15	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	2.4	1.3	<1	1.9	7.1	<1	11.6 CH	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<
Total VOCs		8.9	10.4	6.3	5.9	7.1	4.0	5.7	4.9	3.9	1.6	9.0	6.1	3.3	8.2	26.9	1.9	31.0	7.01

Parameter	Class GA Criteria	IRM-2I																	
		4/23/09	10/22/09	6/3/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/6/14	10/14/14	6/2/15	10/21/15	6/14/16	10/24/16	7/11/17	6/19/18	6/12/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	2.9 J	<1.5	<1.5	< 5	2.7 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 2	< 2	< 5	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloromethane	NV	<	<	0.56	<	<	< 1	< 1	0.59J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Carbon Disulfide	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	<
Trichloroethene	5	<	0.89	0.85	.88J	.86J	0.74J	0.60J	0.72J	< 1	< 1	0.60	0.60	0.63	0.59	0.59	0.58	< 1	0.56
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	0.20 J	<1	0.28 J	<1	0.26 J	0.20 J	< 1	0.18 J
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs			0.9	1.4	0.88	0.86	0.74	0.60	1.30			0.80	0.60	0.91	3.49	0.85	0.78		3.44

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

TABLE 2
June 2019 Groundwater Analytical Testing Results Summary
Former Signore Facility
55-57 Jefferson Street
Ellicottville, New York

Parameter	Class GA Criteria	MW-2I																	
		4/23/09	10/22/09	6/3/10	4/13/11	10/13/11	5/9/12	10/31/12	6/25/13	10/15/13	6/6/14	10/14/14	6/3/15	10/22/15	6/15/16	10/24/16	7/11/17	6/20/18	6/13/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	<1.5	<1.5	<1.5	<5.0	2.1 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	<5.0	<
Bromodichloromethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Dibromochloromethane	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Chloromethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Chloroform	7	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Benzene	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
Bromoform	50	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Carbon disulfide	NV	<	<	12.0	0.90J	1.3	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
1,1-Dichloroethene	5*	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
1,1-Dichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
trans-1, 2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
cis-1,2-Dichloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
1,1,1-Trichloroethane	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Trichloroethene	5	<	<	<	<	<	0.83J	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<
Tetrachloroethene	5	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	<1	<1	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	<1	<
Total VOCs				12.0	0.9	1.3	0.83												2.10

Parameter	Class GA Criteria	TOWN WELL																	
		4/23/09	10/22/09	6/2/10	4/13/11	10/14/11	5/10/12	11/1/12	6/26/13	10/16/13	6/9/14	10/14/14	6/2/15	10/22/15	6/14/16	10/24/16	7/12/17	6/19/18	6/11/19
Volatile Organic Compounds - EPA Method 8260																			
Methylene chloride	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	
Acetone	50	<	<	<	<	<	<	<	<	<	<	<	<	<1.5	2.4 J	<1.5	<1.5	< 5	2.6 J
2-Butanone	50	<	<	<	<	<	< 5	< 5	< 5	< 5	< 5	< 2	<2	<2	<2	<2	<2	< 5	<
Bromodichloromethane	5	<	<	<	.53J	1.4	0.67J	0.96J	< 1	< 1	< 1	< 1	0.52	0.27 J	0.45 J	0.53	<1	< 1	0.5
Dibromochloromethane	50	<	<	<	1.2	1.7	1.2	< 1	< 1	< 1	< 1	< 1	0.99	0.54	3	0.97	<1	1.3	0.73
Chloromethane	NV	<	NT	0.56	<	<	< 1	< 1	1.3	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Chloroform	7	<	NT	0.62	<	1.1	< 1	0.82J	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Bromoform	50	<	NT	0.51	1.7	1.4	0.88J	1.6	< 1	< 1	< 1	< 1	1.2 J	<1	1.3 J	1.3 J	<1	< 1	<
Carbon Disulfide	NV	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Iodomethane	NV	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	NT	<
Vinyl Chloride	2	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1-Dichloroethene	5*	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1-Dichloroethane	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
trans-1, 2-Dichloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
cis-1,2-Dichloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
1,1,1-Trichloroethane	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	< 1	<1	<1	<1	<1	<1	< 1	<
Trichloroethene	5	<	NT	<	0.69J	0.55J	< 1	0.58J	0.63J	< 1	< 1	0.45 J	0.48 J	0.44 J	0.45 J	0.50	0.37	< 1	0.32 J
Tetrachloroethene	5	<	NT	<	<	<	< 1	< 1	< 1	< 1	< 1	<1	<1	0.24 J	<1	0.23 J	<1	< 1	<
Naphthalene	10	<	<	<	<	<	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT	NT	< 1	<
Total VOCs				1.69	4.12	6.15	2.75	3.96	1.93			0.45	3.19	1.49	7.60	3.53	0.37	1.30	4.15

Notes:
1. Compounds detected in one or more samples are presented on this table.
2. Analytical testing completed by Alpha Analytical.
3. NYSDEC Class GA criteria obtained from Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), dated October 1993, revised June 1998, January 1999 errata sheet, and April 2000 addendum. * Guidance value (not a standard) for 1,1-Dichloroethene = 0.07 ug/L as per the January 1999 update.
4. ug/L = part per billion (ppb).
5. < indicates compound was not detected; < 1 indicates compound was not detected above its respective reporting limit.
6. Shading indicates exceedance of Class GA Criteria.
7. NT = not tested.
8. NV = no value.
9. Results shown for MW-1I for the June 2019 sampling event are the higher results from it or its respective duplicate.
10. Lab qualifiers: CH = continuing calibration outside of lab acceptance limits; results may be biased high. J = estimated concentration. L2 = analyte recovery in the control sample was below quality control limits; results may be biased low. Qualifiers for detected compounds only shown.

Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	EW-1.25 6/25/2013	Q	EW-1.25 10/16/2013	Q	EW-1.25 6/10/2014	Q	EW-1.25 6/4/2015	Q	EW-1.25 8/21/2015	Q	EW-1.25 10/21/2015	Q	EW-1.25 6/15/2016	Q	EW-1.25 10/25/2016	Q	EW-1.25 7/13/2017	Q	EW-1.25 6/21/2018	Q	EW-1.25R 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-846, 8260B (ug/L)																							
Acetone	50	<		<		<		<		<		3.8	J	2.3	J	<		<		<		6.8	
Benzene	1	<		<		<		<		<		<		<		<		<		<		0.18	J
Carbon disulfide	NV	<		<		<		<		<		<		<		<		1.8		<		<	
Chloromethane	NV	0.77	J	<		<		<		<		<		<		<		<		<		0.88	J
1,1-Dichloroethane	5	4.1		4.1		2.9		3		2.6		4.2		2.9		3.9		3.0		<		1.1	J
1,1-Dichloroethene	5	<		<		<		0.25	J	0.19	J	0.36	J	0.24	J	0.48	J	0.39	J	<		<	
Vinyl chloride	2	4.6		5		2.4		2.6		<		3.3		3.2		6.6		<		<		<	
2-Butanone	50	<		<		<		<		<		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	31		32		23		29		28		44		28		98		57		<		2.1	J
Toluene	5	<		<		<		<		<		<		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		0.82	J	<		<		0.7	J	<		<		<	
Tetrachloroethene	5	3.3		3.8		3.6		<		1.4		1.8		3.1		<		<		<		<	
Trichloroethene	5	51		59		41		47		42		58		47		0.27	J	35		<		<	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		0.79	J	<		<		<	
Total VOCs		94.77		103.9		72.9		81.85		75.01		115.46		86.74		110.74		97.19				11.06	
Field Parameters																							
Temperature (Deg. C)	NV	13		13.5		10.4		9.1		13.1		13.4		12.4		13		14.9		12.1		9.8	
Specific Conductance (mS/cm)	NV	0.7		0.68		0.7		0.757		0.67		0.68		0.653		0.612		0.65		0.629		0.633	
Dissolved Oxygen (mg/L)	NV	0.05		0.18		0.06		0.17		0.12		0.22		0.29		0.23		0.13		0.65		0.18	
Oxygen Reduction Potential (mv)	NV	-88.5		-99.3		-91.2		-130.5		-86.2		-91.6		161.4		-125.1		-169.9		-54.1		-140.1	
pH (std. units)	NV	7.35		6.85		6.78		6.73		6.77		6.89		6.79		6.87		6.77		6.12		6.91	
Turbidity (NTUs)	NV	9.12		3.31		11.71		7.7		14.2		10.7		20.1		11.87		13.13		21.5		69.11	
Inorganics (ug/L)																							
Iron	300	NS		1,000		14,000		14,000		11,500		11,900		27,300		10,500		<		27,000	M1	6,600	M1
Manganese	NV	NS		1,300		1,600		1,482		1,265		1,465		1,453		1,354		1,256		3,060		1,392	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	NS		1,000		170		237		218		190		244		130		130		NT		1,110	
Ethane (ug/L)	NV	NS		<		<		<		<		<		<		<		<		NT		6.85	
Ethene (ug/L)	NV	NS		1.7		<		<		0.535		<		0.558		0.55		0.55		NT		2.82	
Total Organic Carbon (mg/L)	NV	NS		<		<		2.07		2.47		1.92		2.26		1.56		1.84		21.0		7.97	
Chloride (mg/L)	250	NS		66	B	69		62		57		56		49		45		47		48.2	M1	14.1	
Nitrate (mg/L)	10	NS		<		<		0.015	J	0.020	J	<		<		0.029	J	<		<		<	
Nitrite (mg/L)	1	NS		<		<		NS		NS		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	NS		7.6		7.4	B	12.8		10.3		10.5		10.2		11.7		8.86		<		10.3	

Notes:
1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica, Alpha Analytical and Pace Analytical.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits; D = value shown is result of dilution analysis; E = value above quantitation range. M1 = Matrix spike recover exceeded QC limits. Batch accepted based on laboratory LCS recovery. CH = continuing calibration for this compound is outside of laboratory acceptance limits; results may be biased high.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value; NS = Not sampled.
9. Sum of Nitrate/Nitrite Class GA Criteria = 10 mg/L (no exceedances)
10. Shaded concentrations exceed Class GA criteria.

Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	SP-32 10/3/2012	Q	SP-32 10/17/2013	Q	SP-32 6/10/2014	Q	SP-32 6/4/2015	Q	SP-32 8/21/2015	Q	SP-32 10/22/2015	Q	SP-32 6/15/2016	Q	SP-32 10/25/2016	Q	SP-32 7/12/2017	Q	SP-32 6/21/2018	Q	SP-32 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-84																							
Acetone	50	<		240	D	<		<		<		<		2.8	J	<		<		<		4.8	J
Benzene	1	<		<		<		<		<		<		<		<		<		<		<	
Carbon disulfide	NV	<		<		<		<		<		<		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		0.18	J	0.23	J	<		<		<		<		<		<	
2-Butanone	50	<		45		<		<		<		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	<		26		11		4.5		4.7		2.7		3.3		<		<		<		<	
Toluene	5	<		<		<		<		<		<		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
Tetrachloroethene	5	2.1		<		<		0.25	J	0.46	J	0.62		0.44	J	0.42	J	0.32	J	<		0.2	J
Trichloroethene	5	120		3.4		6.4		5.8		6.5		6.7		14		1.2		0.85		4.4		0.41	J
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Total VOCs		122.1		314.4		17.4		10.73		11.89		10.02		20.54		1.62		1.17		4.4		0.43	
Field Parameters																							
Temperature (Deg. C)	NV	13.2		16.5		13.1		11.0		17.7		16.6		15.8		15.1		18.6		13.2		12.2	
Specific Conductance (mS/cm)	NV	0.418		0.65		0.392		0.326		0.272		0.223		0.232		0.181		0.133		0.144		0.122	
Dissolved Oxygen (mg/L)	NV	4.92		0.18		0.12		0.15		0.16		0.48		0.53		1.67		2.29		0.76		5.59	
Oxygen Reduction Potential (mv)	NV	50.3		-95.3		-21.9		104.4		57.7		169.9		236.7		153		41.9		181.2		150.8	
pH (std. units)	NV	7.23		6.45		6.48		6.28		6.34		6.25		6.22		6.0		5.9		5.96		6.30	
Turbidity (NTUs)	NV	35		6.76		4.95		0.6		7.15		4.42		7.6		4.96		5.02		2.8		17.51	
Inorganics (ug/L)																							
Iron	300	NS		3,480		16,000		339		246		206		541		66		<		<		NS	
Manganese	NV	NS		24,600		19,000		6,468		8,331		2,897		2,668		1,144		12		<		NS	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	NS		120		660		725		932		208		205		3.31		0.55	J	<		NS	
Ethane (ug/L)	NV	NS		<		<		0.659		0.841		<		<		<		<		<		NS	
Ethene (ug/L)	NV	NS		1.7		<		<		<		<		<		<		<		<		NS	
Total Organic Carbon (mg/L)	NV	NS		51		<		1.35		1.7		1.02		1.45		0.87		1.08		<		NS	
Chloride (mg/L)	250	NS		5	B	3.1		3.46		3.12		2.83		2.72		1.59		0.861		<		NS	
Nitrate (mg/L)	10	NS		<		<		1.92		0.93		4.2		3.9		4.8		1.4		1		NS	
Nitrite (mg/L)	1	NS		<		<		NS		NS		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	NS		4.9	J	14	B	14.6		16.8		16.1		16.3		14.4		13.8		15.9		NS	

Notes:
1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica, Alpha Analytical and Pace Analytical.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits; D = value shown is result of dilution analysis; E = value above quantitation range. M1 = Matrix spike recover exceeded QC limits. Batch accepted based on laboratory LCS recovery. CH = continuing calibration for this compound is outside of laboratory acceptance limits; results may be biased high.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value; NS = Not sampled.
9. Sum of Nitrate/Nitrite Class GA Criteria = 10 mg/L (no exceedances)
10. Shaded concentrations exceed Class GA criteria.

Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	SP-37 10/5/2012	Q	SP-37 10/17/2013	Q	SP-37 6/10/2014	Q	SP-37 6/4/2015	Q	SP-37 8/21/2015	Q	SP-37 10/23/2015	Q	SP-37 6/16/2016	Q	SP-37 10/26/2016	Q	SP-37 7/12/2017	Q	SP-37 6/21/2018	Q	SP-37 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-84																							
Acetone	50	<		<		<		<		<		<		2.6	J	<		<		<		5.5	
Benzene	1	<		<		<		<		<		<		<		<		<		<		<	
Carbon disulfide	NV	<		<		<		<		<		<		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		<		<		0.21	J	0.42	J	<		<		<		<	
2-Butanone	50	<		<		<		<		<		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	1.8		7.3		0.99	J	3.4		9.9		9.4		6.7		12		2.7		1.9		3.6	
Toluene	5	<		<		<		<		<		<		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		0.82	J	<		<		<		<		<		<	
Tetrachloroethene	5	9.6		24		13		18		15		26		14		17		12		13.2		10	
Trichloroethene	5	13		20		7.2		10		11		19		13		14		7.8		10.9		12	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Total VOCs		24.4		51.3		27.2		31.4		36.72		54.61		36.72		43		22.5		26		31.1	
Field Parameters																							
Temperature (Deg. C)	NV	13.5		17		11.9		10		17		15.3		13.3		14.2		18.4		12.1		11.9	
Specific Conductance (mS/cm)	NV	0.452		0.535		0.305		0.449		0.432		0.396		0.291		0.246		0.19		0.184		0.166	
Dissolved Oxygen (mg/L)	NV	0.28		0.2		0.58		0.68		0.07		0.13		0.29		0.55		0.86		2.53		3.05	
Oxygen Reduction Potential (mv)	NV	-122.4		74.8		107.7		117.6		16.1		82.8		306.5		130.2		6.7		180.1		151.5	
pH (std. units)	NV	6.6		6.39		6.28		6.12		6.28		6.3		6.03		5.99		6.08		5.94		6.25	
Turbidity (NTUs)	NV	2.5		9.35		12.5		1.4		5.27		2.3		5.93		5.02		10.37		0.9		6.12	
Inorganics (ug/L)																							
Iron	300	NS		61.7	B	900		81.4		409		66		85		56		<		<		NS	
Manganese	NV	NS		336		150		1,021		6,015		2,035		1,137		1,445		73		<		NS	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	NS		26		2.5		28		108		67.4		47.2		<		<		<		NS	
Ethane (ug/L)	NV	NS		<		<		<		<		<		<		<		<		<		NS	
Ethene (ug/L)	NV	NS		<		<		<		<		<		<		<		<		<		NS	
Total Organic Carbon (mg/L)	NV	NS		4	J	2.8	J	2.51		4.75		2.62		2.47		2.21		1.93		1.5	M1	NT	
Chloride (mg/L)	250	NS		12	B	3.8		28.8		16.4		14.7		7.11		5.79		2.64		2.4		NS	
Nitrate (mg/L)	10	NS		4.8		5.2		2.98		0.04		0.27		1.40		3.20		1.30		0.79		NS	
Nitrite (mg/L)	1	NS		<		<		NS		NS		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	NS		36		24	B	23.3		18		21.1		18.3		21		14.3		13.9		9.78	

Notes:
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5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits; D = value shown is result of dilution analysis; E = value above quantitation range. M1 = Matrix spike recover exceeded QC limits. Batch accepted based on laboratory LCS recovery. CH = continuing calibration for this compound is outside of laboratory acceptance limits; results may be biased high.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value; NS = Not sampled.
9. Sum of Nitrate/Nitrite Class GA Criteria = 10 mg/L (no exceedances)
10. Shaded concentrations exceed Class GA criteria.

Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	SP-38 10/4/2012	Q	SP-38 10/17/2013	Q	SP-38 6/10/2014	Q	SP-38 8/21/2015	Q	SP-38 10/23/2015	Q	SP-38 6/15/2016	Q	SP-38 10/26/2016	Q	SP-38 7/12/2017	Q	SP-38 6/21/2018	Q	SP-38 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-84																					
Acetone	50	<		<		<		<		<		1.6	J	<		<		<		<	
Benzene	1	<		<		<		<		<		<		<		<		<		<	
Carbon disulfide	NV	<		<		<		1.8	J	1.9		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethane	5	<		<		<		2	J	1.9	J	<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		<		22		0.39	J	4.0		4.2		<		<	
2-Butanone	50	<		<		<		26		2.1	J	<		<		<		<		<	
cis-1,2-Dichloroethene	5	<		1.5		1.2		46		0.82	J	<		<		<		<		<	
Toluene	5	<		<		<		<		1	J	<		<		<		<		<	
1,1,1-Trichloroethane	5	2.4		<		<		0.86	J	<		<		<		<		<		<	
Tetrachloroethene	5	5		<		5.2		0.22	J	0.37	J	0.28	J	0.48	J	0.2	J	<		<	
Trichloroethene	5	17		7.8		19		0.45	J	0.29	J	5.5	J	8.2		6.5		5.8		<	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		<		<		<	
Total VOCs		24.4		9.3		25.4		77.33		30.38		7.77		12.68		10.9		5.8			
Field Parameters																					
Temperature (Deg. C)	NV	13.1		15.2		11.6		15.2		15.1		16.1		14.8		16.7		11.7		11.3	
Specific Conductance (mS/cm)	NV	0.437		0.412		0.437		1.03		0.69		0.419		0.443		0.416		0.404		0.398	
Dissolved Oxygen (mg/L)	NV	3.25		2.88		4.65		0.07		0.11		1.32		0.23		0.72		2.11		2.32	
Oxygen Reduction Potential (mv)	NV	31.7		103.5		136		-124.2		-172.7		241.8		-22.5		-79.6		150.8		125.2	
pH (std. units)	NV	6.81		6.72		6.72		7.1		7.39		6.59		6.75		6.85		6.56		6.89	
Turbidity (NTUs)	NV	27.4		2.12		19.2		12.3		2.12		6.39		7.69		5.88		21.5		180.22	
Inorganics (ug/L)																					
Iron	300	<		<		1,500		5,660		3,040		352		811		<		<		NS	
Manganese	NV	5,100		41.1	B	180		24,820		12,680		2762		9031		1,827		23		NS	
Miscellaneous Water Quality Parameters																					
Methane (ug/L)	NV	<		20		1.1		807.0		636.0		3.9		13.7		10.1		4.4		NS	
Ethane (ug/L)	NV	NM		<		<		<		2.57		<		0.633		<		<		NS	
Ethene (ug/L)	NV	NM		<		<		3.45		4.56		<		2.04		0.652		<		NS	
Total Organic Carbon (mg/L)	NV	<		<		<		86.9		2.22		1.21		1.32		1.05		<		NS	
Chloride (mg/L)	250	31		40	B	34		29		27.1		36.1		27.7		22.6		32		NS	
Nitrate (mg/L)	10	4.7		1.4		3.3		0.0	J	<		0.6		0.24		0.24		0.37		NS	
Nitrite (mg/L)	1					<		<		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	23		11		13	B	0.063	J	5.99		11.5		16.1		13.8		11.7		NS	

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6. mg/L = parts per million; ug/L = parts per billion
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8. NV = no value; NS = Not sampled.
9. Sum of Nitrate/Nitrite Class GA Criteria = 10 mg/L (no exceedances)
10. Shaded concentrations exceed Class GA criteria.

Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	SP-43 10/4/2012	Q	SP-43 10/17/2013	Q	SP-43 6/10/2014	Q	SP-43 6/4/2015	Q	SP-43 8/21/2015	Q	SP-43 10/23/2015	Q	SP-43 6/16/2016	Q	SP-43 10/26/2016	Q	SP-43 7/12/2017	Q	SP-43 6/21/2018	Q	SP-43 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-84																							
Acetone	50	<		53		<		<		<		<		1.9	J	<		<		<		5.4	
Benzene	1	<		<		<		<		<		<		<		<		<				<	
Carbon disulfide	NV	<		1.3		<		<		<		<		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<		<		<		<		0.92	J
1,1-Dichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		<		0.48	J	6.6		<		<		<		<		<	
2-Butanone	50	<		84		<		<		21		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	<		5.4		3.9		1.1	J	9.4		9.2		4.6		2.1	J	<		<		<	
Toluene	5	<		<		<		<		<		84.0		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
Tetrachloroethene	5	93		24		14		14		10		17		7.7		11.0		6.9		7.4	CH	4.0	
Trichloroethene	5	5.2		2.6		<		0.72		2.20		8.30		0.71		0.70		0.24	J	<		0.58	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Total VOCs		98.2		170.3		17.9		15.82		43.08		125.10		14.91		13.80		7.14		7.40		9.40	
Field Parameters																							
Temperature (Deg. C)	NV	14.1		18.4		13		12.2		16.6		15.9		14.6		14.2		20.5		15.6		13.8	
Specific Conductance (mS/cm)	NV	0.445		0.513		0.304		0.773		0.66		0.68		0.237		0.224		0.183		0.151		0.127	
Dissolved Oxygen (mg/L)	NV	1.48		0.22		0.23		1.1		0.12		0.12		1.23		1.96		1.96		1.73		3.52	
Oxygen Reduction Potential (mv)	NV	44.2		-39.3		149		175.8		-15.1		-88.2		310.9		184.3		12.4		156.6		153.9	
pH (std. units)	NV	6.55		5.88		6.13		5.82		6.31		6.83		5.87		6.02		6.12		6.11		6.32	
Turbidity (NTUs)	NV	39.8		4.04		18		0.2		31.7		4.26		6.7		3.12		4.72		1.8		16.25	
Inorganics (ug/L)																							
Iron	300	NS		6,150		7,100		54		5,780		6,220		127		114		<		<		NS	
Manganese	NV	NS		5,510		1,600		1,254		8,919		10,240		171.8		190.4		5.4		10.4		NS	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	NS		16		12		0.756	J	2,490.000		6,520.000		0.612		<		0.619	J	<		NS	
Ethane (ug/L)	NV	NS		2.4		<		<		<		<		<		<		<		<		NS	
Ethene (ug/L)	NV	NS		3.7		<		<		<		2.13		<		<		<		<		NS	
Total Organic Carbon (mg/L)	NV	NS		80		<		1.84		28.8		3.62		2.09		1.91		1.58		1.1		NS	
Chloride (mg/L)	250	NS		6.3	B	2.2		136.0		62.2		40.0		12.2		9.6		4.1		2.6		NS	
Nitrate (mg/L)	10	NS		0.36		8.30		8.65		0.59		0.21		2.10		4.10		3.70		1.60		NS	
Nitrite (mg/L)	1	NS		<		0.042	J	NS		NS		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	NS		12		25	B	19.8		18.3		13.3		22		21.4		14.7		14.1		NS	

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8. NV = no value; NS = Not sampled.
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Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	SP-45 10/4/2012	Q	SP-45 10/17/2013	Q	SP-45 6/10/2014	Q	SP-45 6/4/2015	Q	SP-45 8/21/2015	Q	SP-45 10/23/2015	Q	SP-45 6/16/2016	Q	SP-45 10/26/2016	Q	SP-45 7/13/2017	Q	SP-45 6/21/2018	Q	SP-45 6/14/2019	Q
Volatile Organic Compounds - EPA Method SW-84																							
Acetone	50	<		<		<		<		<		<		1.5	J	<		<		<		4.1	
Benzene	1	<		<		<		<		<		<		<		<		<		<		<	
Carbon disulfide	NV	<		<		<		<		<		<		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		<		<		6.3		5.5		7.5		1.7		<		<	
2-Butanone	50	<		<		<		<		<		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	6.8		1.1		1.9		2.9		1.4	J	5.7		3.7		13		2.0	J	1.4		1.3	J
Toluene	5	<		<		<		<		<		<		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		<		<		<		<		<		<		<	
Tetrachloroethene	5	260	D	69		130		160		16		45		16		170		45		18.7		17	
Trichloroethene	5	13		3.6		6.4		8.5		1.5		7.5		7.2		53		10		5.4		4.6	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<		<		<		<		<	
Total VOCs		283.0		73.7		138.3		171.4		18.9		171.4		33.9		243.5		58.7		25.5		27.0	
Field Parameters																							
Temperature (Deg. C)	NV	14.6		17.8		16.5		14		19.1		15.8		15.2		15.8		15.8		13.3		14	
Specific Conductance (mS/cm)	NV	0.543		0.363		0.391		0.584		0.6		0.62		0.503		0.442		0.442		0.391		0.336	
Dissolved Oxygen (mg/L)	NV	1.07		5.21		3.02		3.58		0.09		0.07		0.5		0.06		0.06		2.72		3.85	
Oxygen Reduction Potential (mv)	NV	-29.5		88.3		143.1		73.3		-62.7		-61.7		250.7		-8.7		-8.7		88.2		128.4	
pH (std. units)	NV	6.48		6.83		6.71		6.71		7.05		7.05		6.91		6.66		6.66		6.89		7.23	
Turbidity (NTUs)	NV	3.95		2.3		3.17		0.5		14.91		5.06		11.25		17.2		17.2		5.5		12.48	
Inorganics (ug/L)																							
Iron	300	NS		32.1	B	170	J	27.2	J	45	J	1,260		197		386		<		<		NS	
Manganese	NV	NS		<		<		1.93		296.4		3,510		1447		1,340		240		332		NS	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	NS		14		1.1		0.762	J	96.9		958		1500		3610		1760		8.1		NS	
Ethane (ug/L)	NV	NS		<		<		<		<		<		1.18		2.47		1.0		<		NS	
Ethene (ug/L)	NV	NS		<		<		<		<		1.08		2.59		3.36		0.77		<		NS	
Total Organic Carbon (mg/L)	NV	NS		<		<		1.64		3.93		1.86		1.69		1.49		1.23		<		1.06	
Chloride (mg/L)	250	NS		5.1	B	4.2		35.0		9.4		17.3		15.4		12.6		3.2		6.8		NS	
Nitrate (mg/L)	10	NS		6		5.2		2.68		1.2		1.9		0.39		0.72		0.79		0.35		NS	
Nitrite (mg/L)	1	NS		<		<		NS		NS		NS		NS		NS		NS		<		NS	
Sulfate (mg/L)	250	NS		39		33	B	32.7		43.4		22.4		24		23.8		19.1		16.8		12.1	

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Attachment C
June 2019 Post-Injection Groundwater Analytical Results Summary
Former Signore Facility
Ellicottville, New York
BCP Site No. C905034

Sample Location Sample Date	Class GA Criteria	TP-11 6/3/2015	Q	TP-11 10/22/2015	Q	TP-11 6/16/2016	Q	TP-11 10/25/2016	Q	TP-11 7/12/2017	Q	TP-11 6/20/2018	Q	TP-11 6/13/2019	Q
Volatile Organic Compounds - EPA Method SW-84															
Acetone	50	<		<		2	J	<		<		<		2.5	J
Benzene	1	<		<		<		<		<		<		<	
Carbon disulfide	NV	<		<		<		<		<		<		<	
Chloromethane	NV	<		<		<		<		<		<		<	
1,1-Dichloroethane	5	<		<		<		<		<		<		<	
1,1-Dichloroethene	5	<		<		<		<		<		<		<	
Vinyl chloride	2	<		<		<		<		<		<		<	
2-Butanone	50	<		<		<		<		<		<		<	
cis-1,2-Dichloroethene	5	19		12		18		13		8.1		12.4		9.7	
Toluene	5	<		<		<		<		<		<		<	
1,1,1-Trichloroethane	5	<		<		<		<		<		<		<	
Tetrachloroethene	5	0.58		1.5		0.53		1.2		0.25	J	<		0.49	J
Trichloroethene	5	88		74		77		58		40		66.7		41	
trans-1,2-dichloroethene	5	<		<		<		<		<		<		<	
Total VOCs		107.58		87.50		97.53		72.20		48.35		79.10		53.69	
Field Parameters															
Temperature (Deg. C)	NV	17.5		14.4		12.4		13.4		16.9		9.5		8.8	
Specific Conductance (mS/cm)	NV	0.37		0.535		0.493		0.504		0.393		0.464		0.447	
Dissolved Oxygen (mg/L)	NV	0.11		1.57		2.84		2.24		2.06		4.83		4.12	
Oxygen Reduction Potential (mv)	NV	-23.6		90.7		267.4		77.7		6.6		101.7		122	
pH (std. units)	NV	6.84		7.04		6.9		6.8		6.69		6.81		7.06	
Turbidity (NTUs)	NV	6.27		1.87		7.69		9.67		4.97		0.3		1.84	
Inorganics (ug/L)															
Iron	300	NS		NS		NS		NS		NS		NS		NS	
Manganese	NV	NS		NS		NS		NS		NS		NS		NS	
Miscellaneous Water Quality Parameters															
Methane (ug/L)	NV	NS		NS		NS		NS		NS		NS		NS	
Ethane (ug/L)	NV	NS		NS		NS		NS		NS		NS		NS	
Ethene (ug/L)	NV	NS		NS		NS		NS		NS		NS		NS	
Total Organic Carbon (mg/L)	NV	NS		NS		NS		NS		NS		NS		NS	
Chloride (mg/L)	250	NS		NS		NS		NS		NS		NS		NS	
Nitrate (mg/L)	10	NS		NS		NS		NS		NS		NS		NS	
Nitrite (mg/L)	1	NS		NS		NS		NS		NS		NS		NS	
Sulfate (mg/L)	250	NS		NS		NS		NS		NS		NS		NS	

Notes:
1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica, Alpha Analytical and Pace Analytical.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits; D = value shown is result of dilution analysis; E = value above quantitation range. M1 = Matrix spike recover exceeded QC limits. Batch accepted based on laboratory LCS recovery. CH = continuing calibration for this compound is outside of laboratory acceptance limits; results may be biased high.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value; NS = Not sampled.
9. Sum of Nitrate/Nitrite Class GA Criteria = 10 mg/L (no exceedances)
10. Shaded concentrations exceed Class GA criteria.

APPENDIX A

PHOTOGRAPH LOG

Photo 1 – View of Site looking to northwest.

Photo 2 – Center of Site looking to southwest

Photo 3 – East side of Site looking south.

Photo 4 – East portion of Site looking north.

Photo 5 – Site looking to northwest

APPENDIX B

SITE MANAGEMENT FORM

Former Signore Site,Ellicottville, NY
BCP Site No.: C905034
Site Management Form

SITE DETAILS						
Site No.: C905034	Site Name: Former Signore, Inc.					
Site Address: 55-57- Jefferson St., Ellicottville, NY						
PERSON PERFORMING INSPECTION						
Name: Jim Richert		Email: James.Richert@GZA.com				
Company: GZA		Phone Number: 716/844-7048				
Others Present: None						
INSPECTION DATE AND SITE CONDITIONS						
Inspection Date: October 11, 2020		Inspection Time: 09:15 AM				
Weather Conditions: Overcast, Temp ~ 56 degrees F.						
REASON FOR SITE INSPECTION						
Type of Inspection: ☑ Annual Inspection ☐ Routine Maintenance Inspection ☐ Non-Routine Inspection						
Inspection after a Severe Condition that could effect Site control ☐ Yes ☑ No						
Describe severe condition triggering inspection: NA						
VERIFICATION OF SITE DETAILS						
Current Site Owner: Iskalo Ellicottville Holdings LLC						
Current Site Operator: Iskalo Ellicottville Holdings LLC						
Describe Current Site Use (*check all that apply*)						
☐ Industrial		☐ Commercial		☐ Residential	☑ Other	Vacant, awaiting redevelopment
Briefly describe observed site uses:						
Site remains vacant and awaits redevelopment. No physical changes observed since the October 27, 2019 annual inspection.						
Note any additional pertinent information to Verification of Site Details (use additional pages if necessary.						
DESCRIPTION OF ENGINEERING CONTROLS						
Are the Engineering Controls still in place: NA ☐ Yes ☐ No						
If No, explain:						
Is the Site Management Plan still in place: ☑ Yes ☐ No						
If No, explain:						
AREAS IN NEED OF REPAIR OR MAINTENANCE						
Area discussed in this section must be shown on a figure and have photographic documentation.						
None						
INTRUSIVE ACTIVITIES PERFORMED AT SITE DURING INSPECTION PERIOD						
Location:		Date:				
Description of activities being performed:						
None observed and none reported by Site owner/operator						
Are Site records being properly generated and maintained: ☑ Yes ☐ No						
Provide a summary of recordkeeping review and adeuacy:						
ADDITIONAL NOTES & COMMENTS						
None						
INSPECTION CERTIFICATION						
I hereby certify that the information included in this report is complete and accurate to the best of my knowledge						
Inspector Signature: Jim Richert		Date: October 11, 2020				

APPENDIX C

INSTITUTIONAL CONTROL and ENGINEERING CONTROL (IC/EC) CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C905034**

Site Name Former Signore, Inc.

Site Address: 55 Jefferson Street Zip Code: 14731
City/Town: Ellicottville
County: Cattaraugus
Site Acreage: 8.430

Reporting Period: March 12, 2020 to March 12, 2021

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
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? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs 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. C905034 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
55.43-1-3.1	Iskalo Ellicottville Holdings, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

i) Prohibition of use of groundwater.
ii) Site use restrictions.
iii) Implementation of the Site Management Plan.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

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 Engineering Control 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. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The 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. C905034

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 Chiazza (print name) at Iskalo Development Corp., located at 5166 Main Street, Williamsville, NY (print business address),

am certifying as Manager of Iskalo Ellicottville Holdings LLC (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

3/22/21
Date

GZA GeoEnvironmental, Inc.