Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

February 8, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #8
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #8 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from January 10, 2019 through February 8, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- The second round of water level gauging and low-flow groundwater sampling was performed on January 23. All of the Site wells were included in gauging. In accordance with Department correspondence on January 10, the five newly-installed wells were sampled for VOCs.
- Work on the Remedial Investigation Report (RIR) continued.
- Sub-slab depressurization system (SSDS) installation continued as follows:
    - All 19 suction cavities had vertical risers and ball valves installed. All ball valves were installed in the closed position while system construction continued. In accordance with Department correspondence on January 24, VOC monitoring was discontinued once suction cavity installation was completed with ball valves installed in the closed position.
    - All interior piping for the seven sub-slab depressurization zones was completed and piped to the exterior of the building. Minor design modifications related to Fan #7 and Fan #3, approved via Department correspondence dated January 24, were completed.
    - AAC Contracting provided asbestos abatement services for a ceiling board material containing less than 1% asbestos (as determined through analytical testing). While this material is not an asbestos containing material per Industrial Code Rule 56, OSHA still requires workers to be protected. The abatement contractor installed pipe hangers for interior horizontal piping in Zones 6 and 7. This work was completed on January 29th and January 30th.
    - As planned in the IRM WP, on January 30, Stantec provided NYSDEC with a figure of 14 proposed permanent sub-slab pressure monitoring point locations for their approval.
    - On February 1, the chimney flue liner for an abandoned chimney that is serving as a conduit for the SSDS was sampled for asbestos. Analytical results for the flue liner did not

Reference: **Monthly Progress Report #8**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

detect asbestos, allowing the contractor to cut the flue liner flush to the chimney and cap the chimney following the installation of the SSDS piping.
  - On February 5, O' Connell Electric Company mobilized to the Site to begin the electrical portion of the overall SSDS design.
- As per the request of NYSDEC in their comments on the IRM WP, an additional soil vapor intrusion (SVI) monitoring location was evaluated in the northern tenant space and mapping of this location was submitted to NYSDEC on February 5.

2. Data Received or Generated in the Reporting Period

Data received or generated include the following:

- Groundwater elevations were calculated from water level gauging data collected on January 23. The groundwater elevations were used to generate groundwater elevation contours to confirm suspected flow direction across the Site. Figure 1 provides the draft groundwater elevation contour map based on the January gauging data. The water table was slightly lower than observed during the first round of gauging, but the groundwater flow direction and gradient remained consistent.
- Groundwater sample data from the second round of groundwater sampling conducted on January 23 were received on February 4. The groundwater data are tabulated on the attached Table 1. These data are currently undergoing data usability review. All VOC MDLs and/or RLs were below TOGS criteria with the exception of the two compounds for which exceptions were allowed by NYSDEC as noted below.
- The primary item of note in the January 23 data is the detection of trichloroethene (TCE) in the same three monitoring wells where it was reported in the October 2018 sampling event: monitoring wells MW-101, MW-103, and MW-104 located in the eastern parking lot area. The attached Figure 2 depicts the groundwater elevation contour map with TCE concentrations from both sampling events. The TCE concentration reported in monitoring wells MW-103 (12 µg/L) and MW-104 (9.7 µg/L) exceed the NYSDEC standard of 5 µg/L. Downgradient monitoring well MW-101 exhibited a low-level concentration of TCE (1.3 µg/L) below the standard. See Figures 1 and 2 for groundwater elevation contours and TCE plotting.
- Data Validation Services (DVS) completed the data usability review on the RI analytical dataset, excluding the most recent groundwater data. The data usability report (DUSR) was received on January 28. In summary, the RI laboratory data were found to be usable as reported by the lab or usable with qualification due to processing or matrix effects. No data were rejected.
- The chimney liner was found to be non-detect for asbestos.
- Field data collected during SSDS construction, including community air monitoring data, will be presented in the IRM CCR.

Reference: **Monthly Progress Report #8**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #7 was submitted on January 10, 2019.
- On January 10, NYSDEC indicated that the second round of groundwater sampling could consist of sampling B/MW-101 through B/MW-105 for VOCs.
- On January 22, NYSDEC indicated that not achieving MDLs below the TOGS criteria was acceptable for Dibromo-3-Chloropropane, 1,2- (DBCP) and Ethylene Dibromide (Dibromoethane, 1,2-).
- On February 4, preliminary NYSDEC comments on the SRI Work Plan were received.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Work will continue on the Remedial Investigation Report (RIR).
- Revisions to and resubmission of the SRI Work Plan based on Department review.
- SSDS construction is planned to reach substantial completion. Exhaust fans on the roof will be mounted, connected to system piping and electrically connected. Monitoring panels will also be installed.
- An additional SVI monitoring point will be installed in the northern tenant space.

5. Completion, Delays, and Future Schedule

The schedule is currently proceeding close to that outlined in the June 7, 2018 RIWP response letter, with slight delays due to tenant restrictions, lab turnaround time for PFAS analysis, and contractor availability. The RI field program is concluded.

Implementation of the SRI Work Plan will be implemented as soon as practical, contingent on weather conditions, contractor availability, and the Department approval process. A detailed schedule will be included in the revised SRI Work Plan.

Closing

Should you have any questions or require further information, please contact us.

Reference: **Monthly Progress Report #8**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
Stephanie.ReynoldsSmith@stantec.com

Michael P. Storonsky
Managing Principal
(585) 413-5266
Mike.Storonsky@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

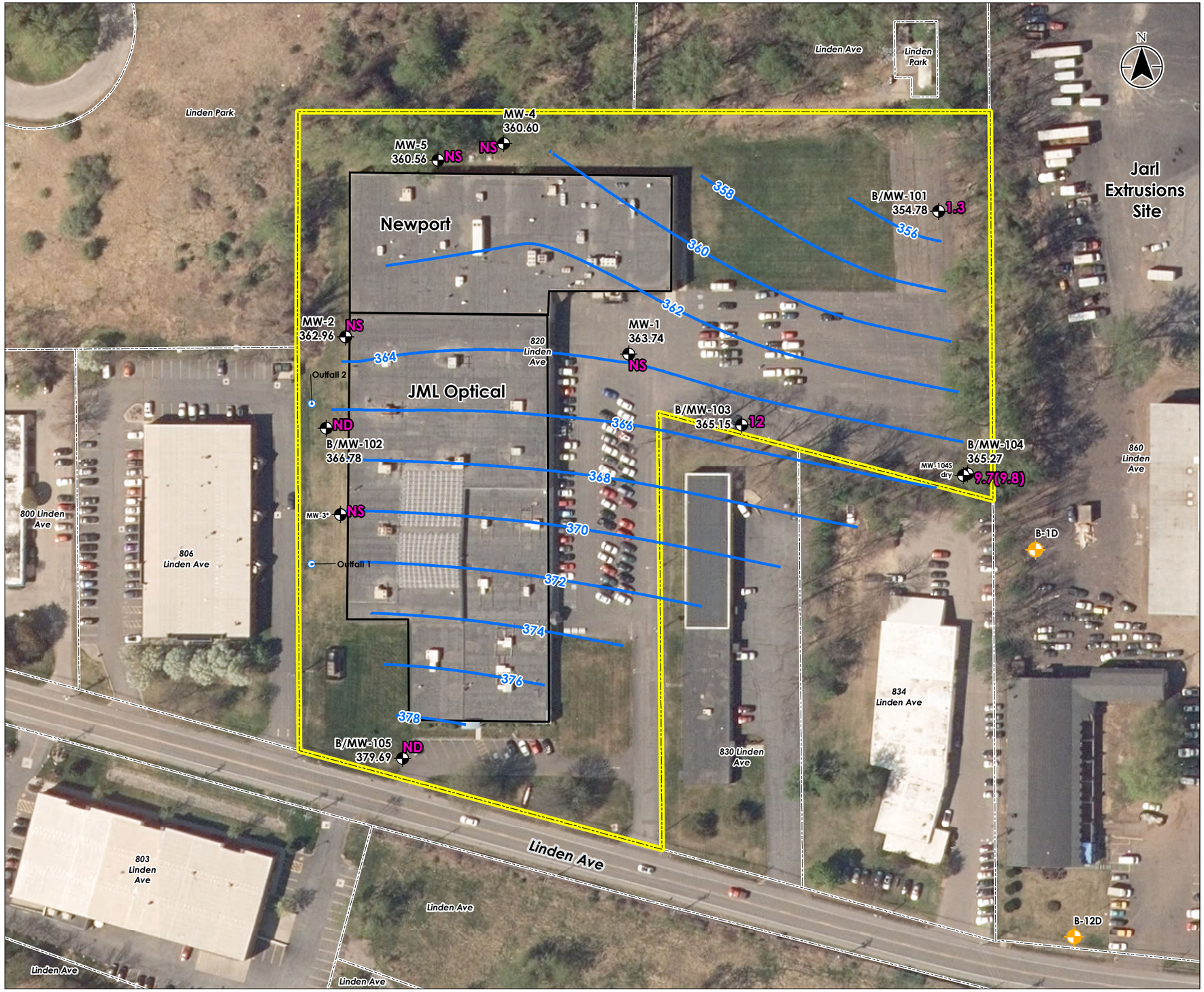
List of Attachments:

Figure 1 – Groundwater Elevation Contours and TCE Concentrations (January 2019)

Figure 2 – Groundwater Elevation Contours and TCE Concentrations (October 2018 and January 2019)

Table 1 – Summary of Groundwater Analytical Results

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#8 - covering january 2019\report.c828200.2019-02-08.pr8.docx



Stantec

DRAFT

Legend

- Monitoring Well Gauging Locations and Calculated Groundwater Elevation (January 2019)
- Groundwater Elevation Contour (ft AMSL)
- Storm Drain Outfall Locations
- Jarl Extrusions Monitoring Well
- Site
- Building Tenant Spaces
- Nearby Parcel Boundaries

0 100 200 Feet

1:1,200 (At Original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery (2015) downloaded from gis.ny.gov.
3. On-site monitoring wells were gauged on January 23, 2019. Groundwater elevations and contours are given in feet above mean sea level (ft AMSL, NAVD 88). Shallow monitoring well MW-104S was dry during gauging.
4. Monitoring well MW-3 is an angled well that terminates under the building. Groundwater elevation could not be accurately calculated and is therefore not used in contouring. The other monitoring wells are vertical wells.
5. Well locations surveyed for vertical and horizontal coordinates by a Stantec surveyor.
6. Concentrations of TCE are shown in ug/L. Note: MW-104S was dry and therefore not sampled during the sampling evnet. ND indicates that TCE was not detected above laboratory reporting limits. Data should be considered preliminary as the analytical results are currently undergoing third-party data usability review. NS indicates that the well was not sampled in January 2019 (only newly installed wells were sampled during this round). Parentheses indicate field duplicate result.

Project Location:
820 Linden Avenue
Pittsford, Monroe Co., NY

Prepared by LB on 2019-02-04
Technical Review by SRS on 2018-11-xx
Independent Review by MPS on 2018-11-xx

190500898

Client/Project
820 Linden Ave Site
BCP Site #C828200
Progress Report #8

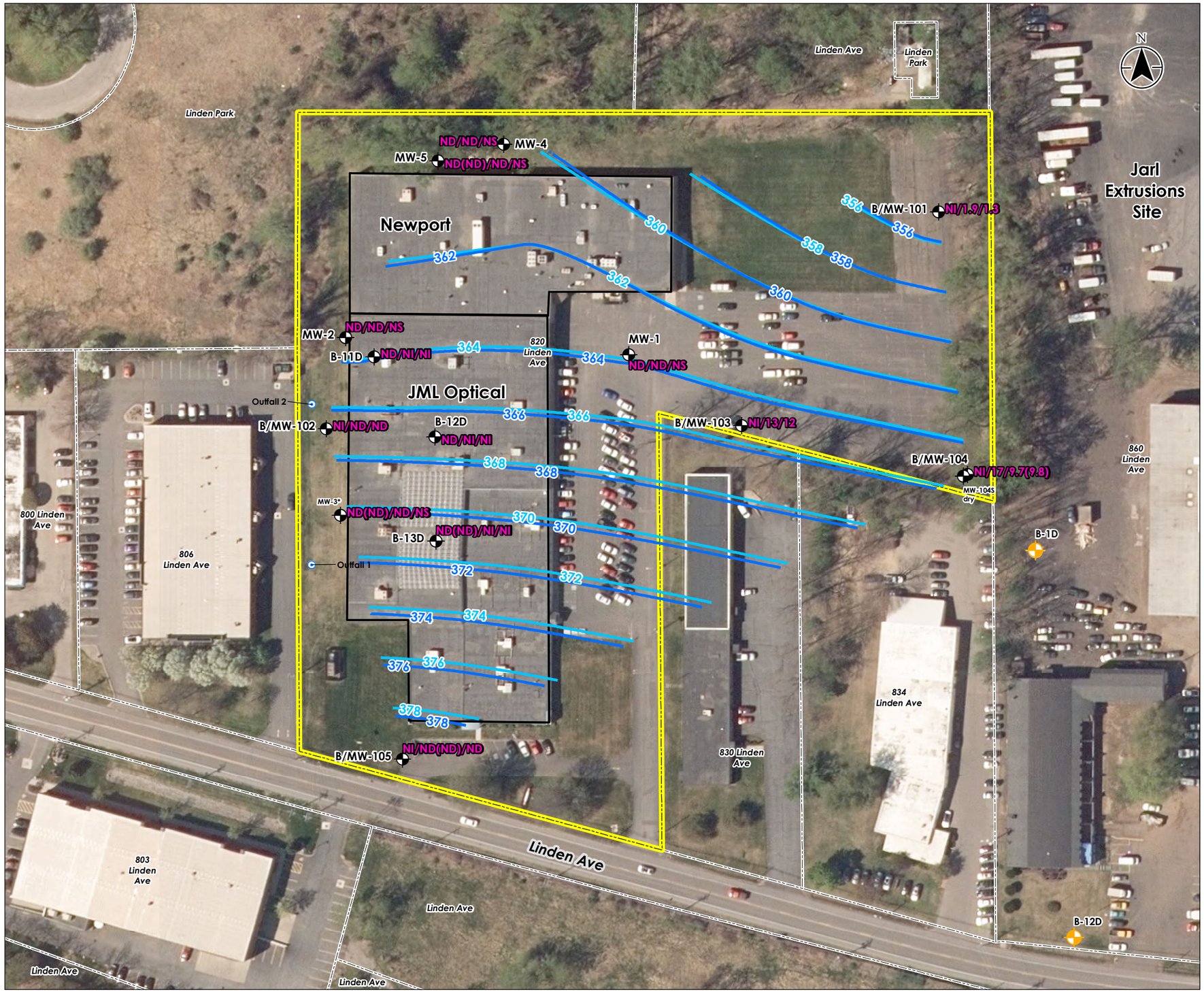
Figure No.
1

DRAFT

Title
Groundwater Elevation Contours and TCE Concentrations (January 2019)

I:\190500898\05_report data\dwgs_design\GIS_figures\mxd\2_correspondence\monthly_progress_rpts\PRB_January2019\fig1_tce conc_gwcntr_January2019.mxd Revised: 2019-02-06 By: lbeall

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Stantec

DRAFT

Legend

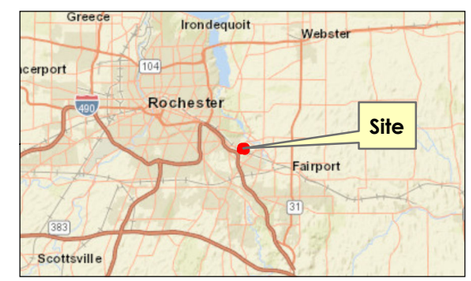
- Monitoring Well Gauging Location
- Groundwater Elevation Contour (ft AMSL) - January 2019
- Groundwater Elevation Contour (ft AMSL) - October 2018
- Storm Drain Outfall Locations
- Jarl Extrusions Monitoring Well
- Site
- Building Tenant Spaces
- Nearby Parcel Boundaries

0 100 200 Feet

1:1,200 (At Original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery (2015) downloaded from gis.ny.gov.
3. On-site monitoring wells were gauged on October 1, 2018 and January 23, 2019. Groundwater elevations and contours are given in feet above mean sea level (ft AMSL, NAVD 88). Shallow monitoring well MW-104S was dry during gauging.
4. Monitoring well MW-3 is an angled well that terminates under the building. Groundwater elevation could not be accurately calculated and is therefore not used in contouring. The other monitoring wells are vertical wells.
5. Well locations surveyed for vertical and horizontal coordinates by a Stantec surveyor.
6. MW-104S was dry and therefore not sampled during the sampling event.
7. Concentrations of TCE are shown in ug/L for 2016-2017/October 2018/January 2019. The interior groundwater samples collected as part of the 2016-2017 Limited Phase II were temporary well points. NI indicates the well was not yet installed at that time. ND indicates that TCE was not detected above laboratory reporting limits. Data should be considered preliminary as the analytical results from the second round (January 2019) are currently undergoing third-party data usability review. NS indicates that the well was not sampled in January 2019 (only newly installed wells were sampled during this round). Parentheses indicate field duplicate results.



Project Location:
820 Linden Avenue
Pittsford, Monroe Co., NY

Prepared by LB on 2019-02-04
Technical Review by SRS on 2018-11-xx
Independent Review by MPS on 2018-11-xx

190500898

Client/Project
820 Linden Ave Site
BCP Site #C828200
Progress Report #8

Figure No.
2

DRAFT

Title
Groundwater Elevation Contours (October 2018 and January 2019) and TCE Concentrations in Groundwater

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

J:\190500898\05_report_deliv\dwgs_design\GIS_figures\mxd\2_correspondence\monthly_progress_rpts\PRB_January2019\fig2_tce_conc_gw_rdr_dlv.mxd Revised: 2019-02-06 By: rbest

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				MW-1		MW-2		MW-3			MW-4		MW-5			B-11D	B-12D	B-13D		B/MW-101			
Sample Date				19-Jul-16	1-Oct-18	19-Jul-16	5-Oct-18	19-Jul-16	19-Jul-16	5-Oct-18	19-Jul-16	1-Oct-18	30-Sep-16	30-Sep-16	3-Oct-18	12-Jan-17	11-Jan-17	12-Jan-17	12-Jan-17	1-Oct-18	1-Oct-18	1-Oct-18	23-Jan-19
Sample ID				MW-1	LIN-MW1-W	MW-2	LIN-MW2-W	MW-3	DUP-1	LIN-MW3-W	MW-4	LIN-MW4-W	MW-5	DUP093016	LIN-MW5-W	LIN-B11D-W	LIN-B12D-W	LIN-B13D-W	LIN-DUP-W	LIN-MW101-W	LIN-MW101-W	LIN-FD1-W	LIN-MW101-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TALBU
Laboratory Work Order				480-103372-1	460-165839-1	480-103372-1	460-166345-1	480-103372-1	480-103372-1	460-166345-1	480-103372-1	460-165839-1	480-106865-1	480-106865-1	460-166040-1	480-112267-1	480-112267-1	480-112267-1	480-112267-1	460-165839-1	460-165839-1	460-165839-1	480-148275-1
Laboratory Sample ID				480-103372-1	460-165839-3	480-103372-2	460-166345-2	480-103372-3	480-103372-5	460-166345-3	480-103372-4	460-165839-4	480-106865-1	480-106865-2	460-166040-6	480-112267-2	480-112267-3	480-112267-4	480-112267-5	460-165839-1	460-165839-5	460-165839-6	480-148275-1
Sample Type	Units	TOGS	EPA						Field Duplicate					Field Duplicate					Field Duplicate			Field Duplicate	
General Chemistry																							
Cyanide	µg/L	200^{B}	n/v	10 U	-	10 U	-	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Aluminum	µg/L	n/v	n/v	470	-	1,100	-	1,200 J	1,900 J	-	1,400	-	-	-	-	-	-	-	-	200 U	-	-	-
Antimony	µg/L	3^{B}	n/v	***20 U***	-	***20 U***	-	***20 U***	***20 U***	-	***20 U***	-	-	-	-	-	-	-	-	***20.0 U***	-	-	-
Arsenic	µg/L	25^{B}	n/v	10 U	-	10 U	-	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-	15.0 U	-	-	-
Barium	µg/L	$1,000^{B}$	n/v	90	-	99	-	84	87	-	200	-	-	-	-	-	-	-	-	200 U	-	-	-
Beryllium	µg/L	3^{A}	n/v	2.0 U	-	2.0 U	-	2.0 U	2.0 U	-	2.0 U	-	-	-	-	-	-	-	-	2.0 U	-	-	-
Cadmium	µg/L	5^{B}	n/v	1.0 U	-	1.0 U	-	1.0 U	1.0 U	-	1.0 U	-	-	-	-	-	-	-	-	4.0 U	-	-	-
Calcium	µg/L	n/v	n/v	111,000	-	66,900	-	104,000	104,000	-	143,000	-	-	-	-	-	-	-	-	113,000	-	-	-
Chromium	µg/L	50^{B}	n/v	8.1	-	7.9	-	9.7	13	-	12	-	-	-	-	-	-	-	-	10.0 U	-	-	-
Chromium (Hexavalent)	µg/L	50^{B}	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0 U	10.0 U	-
Cobalt	µg/L	n/v	n/v	4.0 U	-	4.0 U	-	4.0 U	4.0 U	-	4.0 U	-	-	-	-	-	-	-	-	50.0 U	-	-	-
Copper	µg/L	200^{B}	n/v	10 U	-	10 U	-	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-	25.0 U	-	-	-
Iron	µg/L	$300.^{B}$	n/v	**930^{B}**	-	**$1,500^{B}$**	-	**$1,200\ J^{B}$**	**$1,900\ J^{B}$**	-	**$2,300^{B}$**	-	-	-	-	-	-	-	-	150 U	-	-	-
Lead	µg/L	25^{B}	n/v	5.0 U	-	5.0 U	-	5.0 U	5.3	-	5.5	-	-	-	-	-	-	-	-	10.0 U	-	-	-
Magnesium	µg/L	$35,000^{A}$	n/v	25,600	-	16,500	-	**$39,500^{A}$**	**$39,700^{A}$**	-	**$40,100^{A}$**	-	-	-	-	-	-	-	-	27,400	-	-	-
Manganese	µg/L	$300.^{B}$	n/v	37	-	76	-	**480^{B}**	**460^{B}**	-	79	-	-	-	-	-	-	-	-	19.7	-	-	-
Mercury	µg/L	0.7^{B}	n/v	0.20 U	-	0.20 U	-	0.20 U	0.20 U	-	0.20 U	-	-	-	-	-	-	-	-	0.20 U	-	-	-
Nickel	µg/L	100^{B}	n/v	10 U	-	10 U	-	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-	40.0 U	-	-	-
Potassium	µg/L	n/v	n/v	3,300	-	2,300	-	3,400	3,500	-	4,200	-	-	-	-	-	-	-	-	5,000 U	-	-	-
Selenium	µg/L	10^{B}	n/v	***15 U***	-	***15 U***	-	***15 U***	***15 U***	-	***15 U***	-	-	-	-	-	-	-	-	***20.0 U***	-	-	-
Silver	µg/L	50^{B}	n/v	3.0 U	-	3.0 U	-	3.0 U	3.0 U	-	3.0 U	-	-	-	-	-	-	-	-	10.0 U	-	-	-
Sodium	µg/L	$20,000^{B}$	n/v	**$97,600^{B}$**	-	**$135,000^{B}$**	-	**$283,000^{B}$**	**$280,000^{B}$**	-	**$348,000^{B}$**	-	-	-	-	-	-	-	-	**$197,000^{B}$**	-	-	-
Thallium	µg/L	0.5^{A}	n/v	***20 U***	-	***20 U***	-	***20 U***	***20 U***	-	***20 U***	-	-	-	-	-	-	-	-	***20.0 U***	-	-	-
Vanadium	µg/L	n/v	n/v	5.0 U	-	5.0 U	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-	-	-	-	-	50.0 U	-	-	-
Zinc	µg/L	$2,000^{A}$	n/v	10 U	-	10 U	-	10 U	10 U	-	10 U	-	-	-	-	-	-	-	-	30.0 U	-	-	-
Pesticides																							
Aldrin	µg/L	n/v	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
BHC, alpha-	µg/L	0.01^{B}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
BHC, beta-	µg/L	0.04^{B}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
BHC, delta-	µg/L	0.04^{B}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
Camphechlor (Toxaphene)	µg/L	0.06^{B}	n/v	***0.48 U***	-	***0.50 U***	-	***0.50 U***	***0.50 U***	-	***0.48 U***	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, alpha-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane, trans- (gamma-Chlordane)	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDD (p,p'-DDD)	µg/L	0.3^{B}	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
DDE (p,p'-DDE)	µg/L	0.2^{B}	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
DDT (p,p'-DDT)	µg/L	0.2^{B}	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	µg/L	0.004^{B}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	µg/L	n/v	n/v	0.048 U	-	0.050 UT	-	0.059	0.075	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	µg/L	n/v	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan Sulfate	µg/L	n/v	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	µg/L	n/v	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Aldehyde	µg/L	$5-^{B}$	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Endrin Ketone	µg/L	$5-^{B}$	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	µg/L	0.04^{AB}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor Epoxide	µg/L	0.03^{B}	n/v	***0.048 U***	-	***0.050 UT***	-	***0.050 U***	***0.050 U***	-	***0.048 U***	-	-	-	-	-	-	-	-	-	-	-	-
Lindane (Hexachlorocyclohexane, gamma)	µg/L	0.05^{B}	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor (4,4'-Methoxychlor)	µg/L	35^{B}	n/v	0.048 U	-	0.050 UT	-	0.050 U	0.050 U	-	0.048 U	-	-	-	-	-	-	-	-	-	-	-	-
Per- and Polyfluoroalkyl Substances (PFAS)																							
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	17 U	-	-	-	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	17 U	-	-	-	-	-	-	-	-
2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	17 U	-	-	-	-	-	-	-	-
N-ethyl perfluorooctane sulfonamidoacetic acid (NETFOSAA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	17 U	-	-	-	-	-	-	-	-
Perfluorobutane Sulfonate (PFBS)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-
Perfluorodecane Sulfonic Acid (PFDS)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluoroheptane Sulfonate (PFHpS)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	6.1	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	4.0	-	-	-	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluorooctane Sulfonamide (PFOSA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluorooctane Sulfonate (PFOS)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTEA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluorotridecanoic Acid (PFTRIA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	1.7 U	-	-	-	-	-	-	-	-
Sum of PFAS Analyte List	ng/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	46.5	-	-	-	-	-	-	-	-
Sum of PFOS & PFOA Ratios	ng/L	n/v	70^{C}	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-

See notes on last page.

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				MW-1		MW-2		MW-3			MW-4		MW-5			B-11D	B-12D	B-13D		B/MW-101			
Sample Date				19-Jul-16	1-Oct-18	19-Jul-16	5-Oct-18	19-Jul-16	19-Jul-16	5-Oct-18	19-Jul-16	1-Oct-18	30-Sep-16	30-Sep-16	3-Oct-18	12-Jan-17	11-Jan-17	12-Jan-17	12-Jan-17	1-Oct-18	1-Oct-18	1-Oct-18	23-Jan-19
Sample ID				MW-1	LIN-MW1-W	MW-2	LIN-MW2-W	MW-3	DUP-1	LIN-MW3-W	MW-4	LIN-MW4-W	MW-5	DUP093016	LIN-MW5-W	LIN-B11D-W	LIN-B12D-W	LIN-B13D-W	LIN-DUP-W	LIN-MW101-W	LIN-MW101-W	LIN-FD1-W	LIN-MW101-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TALBU
Laboratory Work Order				480-103372-1	460-165839-1	480-103372-1	460-166345-1	480-103372-1	480-103372-1	460-166345-1	480-103372-1	460-165839-1	480-106865-1	480-106865-1	460-166040-1	480-112267-1	480-112267-1	480-112267-1	480-112267-1	460-165839-1	460-165839-1	460-165839-1	480-148275-1
Laboratory Sample ID				480-103372-1	460-165839-3	480-103372-2	460-166345-2	480-103372-3	480-103372-5	460-166345-3	480-103372-4	460-165839-4	480-106865-1	480-106865-2	460-166040-6	480-112267-2	480-112267-3	480-112267-4	480-112267-5	460-165839-1	460-165839-5	460-165839-6	480-148275-1
Sample Type	Units	TOGS	EPA						Field Duplicate					Field Duplicate					Field Duplicate			Field Duplicate	
Polychlorinated Biphenyls																							
Aroclor 1016	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	µg/L	0.09[B]	n/v	***0.38 U***	-	***0.40 U***	-	***0.40 U***	***0.40 U***	-	***0.38 U***	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	µg/L	0.09[B]	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	µg/L	0.09[B]	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)	µg/L	0.09[B]	n/v	ND	-	ND	-	ND	ND	-	ND	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds																							
Acenaphthene	µg/L	20[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	µg/L	7.5[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzaldehyde	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	0.002[A]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	0.002[A]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	0.002[A]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl, 1,1'- (Biphenyl)	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethoxy)methane	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroethyl)ether	µg/L	1[B]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Butyl Benzyl Phthalate	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chloro-3-methyl phenol, 4-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chloroaniline, 4-	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chloronaphthalene, 2-	µg/L	10[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	n/v	4.9 U	-	5.0 UT	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	0.002[A]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	n/v	9.8 U	-	10 U	-	10 U	10 U	-	9.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	µg/L	n/v	n/v	9.8 U	-	10 U	-	10 U	10 U	-	9.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Dibutyl Phthalate (DBP)	µg/L	50[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzidine, 3,3'-	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorophenol, 2,4-	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl Phthalate	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl Phthalate	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dimethylphenol, 2,4-	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dinitro-o-cresol, 4,6-	µg/L	n/v	n/v	9.8 U	-	10 U	-	10 U	10 U	-	9.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Dinitrophenol, 2,4-	µg/L	10[A]	n/v	9.8 U	-	10 U	-	10 U	10 U	-	9.4 U	-	-	-	-	-	-	-	-	-	-	-	-
Dinitrotoluene, 2,4-	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dinitrotoluene, 2,6-	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-Octyl phthalate	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	0.20 U	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	µg/L	0.04[B]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/L	0.5[B]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	µg/L	5--[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002[A]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	10[B]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Nitroaniline, 2-	µg/L	5--[B]	n/v	***9.8 U***	-	***10 U***	-	***10 U***	***10 U***	-	***9.4 U***	-	-	-	-	-	-	-	-	-	-	-	-
Nitroaniline, 3-	µg/L	5--[B]	n/v	***9.8 U***	-	***10 U***	-	***10 U***	***10 U***	-	***9.4 U***	-	-	-	-	-	-	-	-	-	-	-	-
Nitroaniline, 4-	µg/L	5--[B]	n/v	***9.8 U***	-	***10 U***	-	***10 U***	***10 U***	-	***9.4 U***	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	µg/L	0.4[B]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Nitrophenol, 2-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Nitrophenol, 4-	µg/L	n/v	n/v	9.8 U	-	10 U	-	10 U	10 U	-	9.4 U	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-Propylamine	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
n-Nitrosodiphenylamine	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	µg/L	1.0[B]	n/v	***9.8 U***	-	***10 U***	-	***10 U***	***10 U***	-	***9.4 U***	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	µg/L	1.0[B]	n/v	***4.9 U***	-	***5.0 U***	-	***5.0 U***	***5.0 U***	-	***4.7 U***	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	50[A]	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenol, 2,4,5-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorophenol, 2,4,6-	µg/L	n/v	n/v	4.9 U	-	5.0 U	-	5.0 U	5.0 U	-	4.7 U	-	-	-	-	-	-	-	-	-	-	-	-
Total SVOC	µg/L	n/v	n/v	ND	-	ND	-	ND	ND	-	ND	-	-	-	ND	-	-	-	-	-	-	-	-
SVOC - Tentatively Identified Compounds																							
Total SVOC TICs	µg/L	n/v	n/v	3.4	-	ND	-	20	23	-	ND	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Stantec

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				MW-1		MW-2		MW-3			MW-4		MW-5			B-11D	B-12D	B-13D		B/MW-101			
Sample Date				19-Jul-16	1-Oct-18	19-Jul-16	5-Oct-18	19-Jul-16	19-Jul-16	5-Oct-18	19-Jul-16	1-Oct-18	30-Sep-16	30-Sep-16	3-Oct-18	12-Jan-17	11-Jan-17	12-Jan-17	12-Jan-17	1-Oct-18	1-Oct-18	1-Oct-18	23-Jan-19
Sample ID				MW-1	LIN-MW1-W	MW-2	LIN-MW2-W	MW-3	DUP-1	LIN-MW3-W	MW-4	LIN-MW4-W	MW-5	DUP093016	LIN-MW5-W	LIN-B11D-W	LIN-B12D-W	LIN-B13D-W	LIN-DUP-W	LIN-MW101-W	LIN-MW101-W	LIN-FD1-W	LIN-MW101-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TAL	TALBU
Laboratory Work Order				480-103372-1	460-165839-1	480-103372-1	460-166345-1	480-103372-1	480-103372-1	460-166345-1	480-103372-1	460-165839-1	480-106865-1	480-106865-1	460-166040-1	480-112267-1	480-112267-1	480-112267-1	480-112267-1	460-165839-1	460-165839-1	460-165839-1	480-148275-1
Laboratory Sample ID				480-103372-1	460-165839-3	480-103372-2	460-166345-2	480-103372-3	480-103372-5	460-166345-3	480-103372-4	460-165839-4	480-106865-1	480-106865-2	460-166040-6	480-112267-2	480-112267-3	480-112267-4	480-112267-5	460-165839-1	460-165839-5	460-165839-6	480-148275-1
Sample Type	Units	TOGS	EPA						Field Duplicate					Field Duplicate					Field Duplicate			Field Duplicate	
Volatile Organic Compounds																							
Acetone	µg/L	50^{A}	n/v	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	**100 J^{A}**	**1,100^{A}**	**370^{A}**	**360^{A}**	5.0 U	-	-	10 U
Benzene	µg/L	1^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	***2.0 U***	***2.0 U***	1.0 U	-	-	1.0 U
Bromodichloromethane	µg/L	50^{A}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.3	1.5	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Bromoform (Tribromomethane)	µg/L	50^{A}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Bromomethane (Methyl bromide)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 UJ	-	-	1.0 U
Butylbenzene, n-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Butylbenzene, tert-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Carbon Disulfide	µg/L	60^{A}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Chloroethane (Ethyl Chloride)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UT	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Chloroform (Trichloromethane)	µg/L	7^{B}	n/v	1.7	4.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.8	3.5	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Chloromethane	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Cyclohexane	µg/L	n/v	n/v	1.0 U	1.0 U	1.0 U	1.0 UT	1.0 U	1.0 U	1.0 UT	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04^{B}	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***4.0 U***	***2.0 U***	***2.0 U***	***1.0 U***	-	-	***1.0 U***
Dibromochloromethane	µg/L	50^{A}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichlorobenzene, 1,2-	µg/L	3^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichlorobenzene, 1,3-	µg/L	3^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichlorobenzene, 1,4-	µg/L	3^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichlorodifluoromethane (Freon 12)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichloroethane, 1,1-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichloroethane, 1,2-	µg/L	0.6^{B}	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 UJ***	***4.0 U***	***2.0 U***	***2.0 U***	***1.0 U***	-	-	***1.0 U***
Dichloroethene, 1,1-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichloroethene, cis-1,2-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichloroethene, trans-1,2-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Dichloropropane, 1,2-	µg/L	1^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	***2.0 U***	***2.0 U***	1.0 U	-	-	1.0 U
Dichloropropene, cis-1,3-	µg/L	0.4_{p}^{B}	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 UJ***	***4.0 U***	***2.0 U***	***2.0 U***	***1.0 U***	-	-	***1.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4_{p}^{B}	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 UJ***	***4.0 U***	***2.0 U***	***2.0 U***	***1.0 U***	-	-	***1.0 U***
Ethylbenzene	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006^{B}	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 UJ***	***4.0 U***	***2.0 U***	***2.0 U***	***1.0 U***	-	-	***1.0 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50^{A}	n/v	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U	10 U	10 U	5.0 U	-	-	5.0 U
Isopropylbenzene	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Isopropyltoluene, p- (Cymene)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Methyl Acetate	µg/L	n/v	n/v	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	5.0 U	2.5 U	10 U	5.0 U	5.0 U	5.0 U	-	-	2.5 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50^{A}	n/v	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U	10 U	5.0 UT	10 U	40 U	20 U	20 U	5.0 U	-	-	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	n/v	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U	10 U	10 U	5.0 U	-	-	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10^{A}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Methylcyclohexane	µg/L	n/v	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Methylene Chloride (Dichloromethane)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.1	3.3	2.9	1.0 U	-	-	1.0 U
Naphthalene	µg/L	10^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Propylbenzene, n-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Styrene	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Tetrachloroethene (PCE)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Toluene	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trichlorobenzene, 1,2,4-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trichloroethane, 1,1,1-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trichloroethane, 1,1,2-	µg/L	1^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	***4.0 U***	***2.0 U***	***2.0 U***	1.0 U	-	-	1.0 U
Trichloroethene (TCE)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.9	-	-	1.3
Trichlorofluoromethane (Freon 11)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trimethylbenzene, 1,2,4-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Trimethylbenzene, 1,3,5-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Vinyl Chloride	µg/L	2^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	***4.0 U***	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Xylene, m & p-	µg/L	5_{--}^{B}	n/v	2.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 UJ	***8.0 U***	4.0 U	4.0 U	1.0 U	-	-	2.0 U
Xylene, o-	µg/L	5_{--}^{B}	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	2.0 U	2.0 U	1.0 U	-	-	1.0 U
Xylenes, Total	µg/L	5_{--}^{B}	n/v	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	***8.0 U***	4.0 U	4.0 U	2.0 U	-	-	2.0 U
Total VOC	µg/L	n/v	n/v	1.7	4.0	ND	ND	ND	ND	ND	ND	ND	9.1	5.0	ND	100 J	1,104.1	373.3	362.9	1.9	-	-	1.3
VOC - Tentatively Identified Compounds																							
Total VOC TICs	µg/L	n/v	n/v	-	-	-	2.5 TJ	-	-	6.5 TJ	-	-	-	-	-	16	17	21.5	37.7	-	-	-	-

See notes on last page.

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				B/MW-102		B/MW-103		B/MW-104			B/MW-105		
Sample Date				5-Oct-18	23-Jan-19	1-Oct-18	23-Jan-19	3-Oct-18	23-Jan-19	23-Jan-19	3-Oct-18	3-Oct-18	23-Jan-19
Sample ID				LIN-MW102-W	LIN-MW102-W	LIN-MW103-W	LIN-MW103-W	LIN-MW104-W	LIN-MW104-W	LIN-FD3-W	LIN-MW105-W	LIN-FD2-W	LIN-MW105-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TALBU	TAL	TALBU	TAL	TALBU	TALBU	TAL	TAL	TALBU
Laboratory Work Order				460-166345-1	480-148275-1	460-165839-1	480-148275-1	460-166040-1	480-148275-1	480-148275-1	460-166040-1	460-166040-1	480-148275-1
Laboratory Sample ID				460-166345-1	480-148275-2	460-165839-2	480-148275-3	460-166040-7	480-148275-4	480-148275-6	460-166040-8	460-166040-10	480-148275-5
Sample Type	Units	TOGS	EPA							Field Duplicate		Field Duplicate	
General Chemistry													
Cyanide	µg/L	200[B]	n/v	-	-	10 UT	-	10 U	-	-	10 U	10 U	-
Metals													
Aluminum	µg/L	n/v	n/v	1,000	-	200 U	-	200 U	-	-	200 U	200 U	-
Antimony	µg/L	3[B]	n/v	***20 U***	-	***20.0 U***	-	***20.0 U***	-	-	***20.0 U***	***20.0 U***	-
Arsenic	µg/L	25[B]	n/v	10 U	-	15.0 U	-	15.0 U	-	-	15.0 U	15.0 U	-
Barium	µg/L	1,000[B]	n/v	61	-	200 U	-	200 U	-	-	200 U	200 U	-
Beryllium	µg/L	3[A]	n/v	2.0 U	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Cadmium	µg/L	5[B]	n/v	1.0 U	-	4.0 U	-	4.0 U	-	-	4.0 U	4.0 U	-
Calcium	µg/L	n/v	n/v	54,000	-	124,000	-	121,000	-	-	133,000	135,000	-
Chromium	µg/L	50[B]	n/v	4.0 U	-	10.0 U	-	10.0 U	-	-	15.2	15.1	-
Chromium (Hexavalent)	µg/L	50[B]	n/v	-	-	-	-	10.0 UT	-	-	-	-	-
Cobalt	µg/L	n/v	n/v	4.0 U	-	50.0 U	-	50.0 U	-	-	50.0 U	50.0 U	-
Copper	µg/L	200[B]	n/v	10 U	-	25.0 U	-	25.0 U	-	-	25.0 U	25.0 U	-
Iron	µg/L	300.[B]	n/v	**1,000[B]**	-	163	-	**448[B]**	-	-	205	210	-
Lead	µg/L	25[B]	n/v	5.0 U	-	10.0 U	-	10.0 U	-	-	10.0 U	10.0 U	-
Magnesium	µg/L	35,000[A]	n/v	12,900	-	28,900	-	24,100	-	-	22,400	22,500	-
Manganese	µg/L	300.[B]	n/v	35	-	15.0 U	-	42.9	-	-	15.0 U	15.0 U	-
Mercury	µg/L	0.7[B]	n/v	0.2 U	-	0.20 U	-	0.20 U	-	-	0.20 U	0.20 U	-
Nickel	µg/L	100[B]	n/v	10 U	-	40.0 U	-	40.0 U	-	-	40.0 U	40.0 U	-
Potassium	µg/L	n/v	n/v	2,000	-	5,000 U	-	5,000 U	-	-	5,000 U	5,000 U	-
Selenium	µg/L	10[B]	n/v	***15 U***	-	***20.0 U***	-	***20.0 U***	-	-	***20.0 U***	***20.0 U***	-
Silver	µg/L	50[B]	n/v	3.0 U	-	10.0 U	-	10.0 U	-	-	10.0 U	10.0 U	-
Sodium	µg/L	20,000[B]	n/v	**102,000[B]**	-	**81,800[B]**	-	**82,400[B]**	-	-	**349,000[B]**	**351,000[B]**	-
Thallium	µg/L	0.5[A]	n/v	***20 U***	-	***20.0 U***	-	***20.0 U***	-	-	***20.0 U***	***20.0 U***	-
Vanadium	µg/L	n/v	n/v	5.0 U	-	50.0 U	-	50.0 U	-	-	50.0 U	50.0 U	-
Zinc	µg/L	2,000[A]	n/v	10 U	-	30.0 U	-	30.0 U	-	-	30.0 U	30.0 U	-
Pesticides													
Aldrin	µg/L	n/v	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
BHC, alpha-	µg/L	0.01[B]	n/v	-	-	***0.020 UT***	-	***0.020 U***	-	-	***0.020 U***	***0.020 U***	-
BHC, beta-	µg/L	0.04[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
BHC, delta-	µg/L	0.04[B]	n/v	-	-	0.020 UT	-	0.020 UT	-	-	0.020 UT	0.020 UT	-
Camphechlor (Toxaphene)	µg/L	0.06[B]	n/v	-	-	***0.50 U***	-	***0.50 U***	-	-	***0.50 U***	***0.50 U***	-
Chlordane, alpha-	µg/L	n/v	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Chlordane, trans- (gamma-Chlordane)	µg/L	n/v	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
DDD (p,p'-DDD)	µg/L	0.3[B]	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
DDE (p,p'-DDE)	µg/L	0.2[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
DDT (p,p'-DDT)	µg/L	0.2[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Dieldrin	µg/L	0.004[B]	n/v	-	-	***0.020 U***	-	***0.020 U***	-	-	***0.020 U***	***0.020 U***	-
Endosulfan I	µg/L	n/v	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Endosulfan II	µg/L	n/v	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
Endosulfan Sulfate	µg/L	n/v	n/v	-	-	0.020 UT	-	0.020 UT	-	-	0.020 UT	0.020 UT	-
Endrin	µg/L	n/v	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
Endrin Aldehyde	µg/L	5--[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Endrin Ketone	µg/L	5--[B]	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
Heptachlor	µg/L	0.04[AB]	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
Heptachlor Epoxide	µg/L	0.03[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Lindane (Hexachlorocyclohexane, gamma)	µg/L	0.05[B]	n/v	-	-	0.020 UT	-	0.020 U	-	-	0.020 U	0.020 U	-
Methoxychlor (4,4'-Methoxychlor)	µg/L	35[B]	n/v	-	-	0.020 U	-	0.020 U	-	-	0.020 U	0.020 U	-
Per- and Polyfluoroalkyl Substances (PFAS)													
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/L	n/v	n/v	-	-	-	-	17 U	-	-	17 U	16 U	-
1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/L	n/v	n/v	-	-	-	-	17 U	-	-	17 U	16 U	-
2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/L	n/v	n/v	-	-	-	-	17 U	-	-	17 U	16 U	-
N-ethyl perfluorooctane sulfonamidoacetic acid (NETFOSAA)	ng/L	n/v	n/v	-	-	-	-	17 U	-	-	17 U	16 U	-
Perfluorobutane Sulfonate (PFBS)	ng/L	n/v	n/v	-	-	-	-	36	-	-	2.5 U	1.7 U	-
Perfluorobutanoic Acid (PFBA)	ng/L	n/v	n/v	-	-	-	-	9.1	-	-	13 J-	13 J-	-
Perfluorodecane Sulfonic Acid (PFDS)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorodecanoic Acid (PFDA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorododecanoic Acid (PFDoA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluoroheptane Sulfonate (PFHpS)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluoroheptanoic Acid (PFHpA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorohexanesulfonic acid (PFHxS)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorohexanoic Acid (PFHxA)	ng/L	n/v	n/v	-	-	-	-	4.2	-	-	2.0	2.0	-
Perfluoro-n-Octanoic Acid (PFOA)	ng/L	n/v	n/v	-	-	-	-	2.6	-	-	1.7 U	1.6 U	-
Perfluorononanoic Acid (PFNA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorooctane Sulfonamide (PFOSA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorooctane Sulfonate (PFOS)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluoropentanoic Acid (PFPeA)	ng/L	n/v	n/v	-	-	-	-	2.9	-	-	3.2	2.9	-
Perfluorotetradecanoic Acid (PFTEA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluorotridecanoic Acid (PFTRIA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Perfluoroundecanoic Acid (PFUnA)	ng/L	n/v	n/v	-	-	-	-	1.7 U	-	-	1.7 U	1.6 U	-
Sum of PFAS Analyte List	ng/L	n/v	n/v	-	-	-	-	54.8	-	-	20.7	19.6	-
Sum of PFOS & PFOA Ratios	ng/L	n/v	70[C]	-	-	-	-	2.6	-	-	ND	ND	-

See notes on last page.

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				B/MW-102		B/MW-103		B/MW-104			B/MW-105		
Sample Date				5-Oct-18	23-Jan-19	1-Oct-18	23-Jan-19	3-Oct-18	23-Jan-19	23-Jan-19	3-Oct-18	3-Oct-18	23-Jan-19
Sample ID				LIN-MW102-W	LIN-MW102-W	LIN-MW103-W	LIN-MW103-W	LIN-MW104-W	LIN-MW104-W	LIN-FD3-W	LIN-MW105-W	LIN-FD2-W	LIN-MW105-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TALBU	TAL	TALBU	TAL	TALBU	TALBU	TAL	TAL	TALBU
Laboratory Work Order				460-166345-1	480-148275-1	460-165839-1	480-148275-1	460-166040-1	480-148275-1	480-148275-1	460-166040-1	460-166040-1	480-148275-1
Laboratory Sample ID				460-166345-1	480-148275-2	460-165839-2	480-148275-3	460-166040-7	480-148275-4	480-148275-6	460-166040-8	460-166040-10	480-148275-5
Sample Type	Units	TOGS	EPA							Field Duplicate		Field Duplicate	
Polychlorinated Biphenyls													
Aroclor 1016	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1221	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1232	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1242	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1248	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1254	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1260	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1262	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Aroclor 1268	µg/L	0.09[B]	n/v	-	-	***0.40 U***	-	***0.40 U***	-	-	***0.40 U***	***0.40 U***	-
Polychlorinated Biphenyls (PCBs)	µg/L	0.09[B]	n/v	-	-	ND	-	ND	-	-	ND	ND	-
Semi-Volatile Organic Compounds													
Acenaphthene	µg/L	20[B]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Acenaphthylene	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Acetophenone	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Anthracene	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Atrazine	µg/L	7.5[B]	n/v	-	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Benzaldehyde	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Benzo(a)anthracene	µg/L	0.002[A]	n/v	-	-	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	***1.0 U***	-
Benzo(a)pyrene	µg/L	n/v	n/v	-	-	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U	-
Benzo(b)fluoranthene	µg/L	0.002[A]	n/v	-	-	***2.0 U***	-	***2.0 U***	-	-	***2.0 U***	***2.0 U***	-
Benzo(g,h,i)perylene	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Benzo(k)fluoranthene	µg/L	0.002[A]	n/v	-	-	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	***1.0 U***	-
Biphenyl, 1,1'- (Biphenyl)	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Bis(2-Chloroethoxy)methane	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Bis(2-Chloroethyl)ether	µg/L	1[B]	n/v	-	-	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 UT***	-	-	***10 UT***	***10 UT***	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5[B]	n/v	-	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Butyl Benzyl Phthalate	µg/L	50[A]	n/v	-	-	10 UT	-	10 U	-	-	10 U	10 U	-
Caprolactam	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Carbazole	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Chloro-3-methyl phenol, 4-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Chloroaniline, 4-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Chloronaphthalene, 2-	µg/L	10[B]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Chrysene	µg/L	0.002[A]	n/v	-	-	***2.0 U***	-	***2.0 U***	-	-	***2.0 U***	***2.0 U***	-
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dibenzo(a,h)anthracene	µg/L	n/v	n/v	-	-	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U	-
Dibenzofuran	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dibutyl Phthalate (DBP)	µg/L	50[B]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dichlorobenzidine, 3,3'-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Dichlorophenol, 2,4-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Diethyl Phthalate	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dimethyl Phthalate	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dimethylphenol, 2,4-	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dinitro-o-cresol, 4,6-	µg/L	n/v	n/v	-	-	20 UT	-	20 U	-	-	20 U	20 U	-
Dinitrophenol, 2,4-	µg/L	10[A]	n/v	-	-	***20 UT***	-	***20 U***	-	-	***20 U***	***20 U***	-
Dinitrotoluene, 2,4-	µg/L	5--[B]	n/v	-	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Dinitrotoluene, 2,6-	µg/L	5--[B]	n/v	-	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Di-n-Octyl phthalate	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Dioxane, 1,4-	µg/L	n/v	n/v	-	-	-	-	0.19 U	-	-	0.19 U	0.19 U	-
Fluoranthene	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Fluorene	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Hexachlorobenzene	µg/L	0.04[B]	n/v	-	-	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	***1.0 U***	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/L	0.5[B]	n/v	-	-	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	***1.0 U***	-
Hexachlorocyclopentadiene	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Hexachloroethane	µg/L	5--[B]	n/v	-	-	2.0 U	-	2.0 U	-	-	2.0 U	2.0 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002[A]	n/v	-	-	***2.0 U***	-	***2.0 U***	-	-	***2.0 U***	***2.0 U***	-
Isophorone	µg/L	50[A]	n/v	-	-	10 U	-	10 UT	-	-	10 UT	10 UT	-
Methylnaphthalene, 2-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Naphthalene	µg/L	10[B]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Nitroaniline, 2-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Nitroaniline, 3-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Nitroaniline, 4-	µg/L	5--[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Nitrobenzene	µg/L	0.4[B]	n/v	-	-	***1.0 U***	-	***1.0 U***	-	-	***1.0 U***	***1.0 U***	-
Nitrophenol, 2-	µg/L	n/v	n/v	-	-	10 UT	-	10 U	-	-	10 U	10 U	-
Nitrophenol, 4-	µg/L	n/v	n/v	-	-	20 U	-	20 U	-	-	20 U	20 U	-
N-Nitrosodi-n-Propylamine	µg/L	n/v	n/v	-	-	1.0 U	-	1.0 U	-	-	1.0 U	1.0 U	-
n-Nitrosodiphenylamine	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Pentachlorophenol	µg/L	1.0[B]	n/v	-	-	***20 U***	-	***20 U***	-	-	***20 U***	***20 U***	-
Phenanthrene	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Phenol	µg/L	1.0[B]	n/v	-	-	***10 U***	-	***10 U***	-	-	***10 U***	***10 U***	-
Pyrene	µg/L	50[A]	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Trichlorophenol, 2,4,5-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Trichlorophenol, 2,4,6-	µg/L	n/v	n/v	-	-	10 U	-	10 U	-	-	10 U	10 U	-
Total SVOC	µg/L	n/v	n/v	-	-	ND	-	ND	-	-	ND	ND	-
SVOC - Tentatively Identified Compounds													
Total SVOC TICs	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Stantec

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location				B/MW-102		B/MW-103		B/MW-104			B/MW-105		
Sample Date				5-Oct-18	23-Jan-19	1-Oct-18	23-Jan-19	3-Oct-18	23-Jan-19	23-Jan-19	3-Oct-18	3-Oct-18	23-Jan-19
Sample ID				LIN-MW102-W	LIN-MW102-W	LIN-MW103-W	LIN-MW103-W	LIN-MW104-W	LIN-MW104-W	LIN-FD3-W	LIN-MW105-W	LIN-FD2-W	LIN-MW105-W
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				TAL	TALBU	TAL	TALBU	TAL	TALBU	TALBU	TAL	TAL	TALBU
Laboratory Work Order				460-166345-1	480-148275-1	460-165839-1	480-148275-1	460-166040-1	480-148275-1	480-148275-1	460-166040-1	460-166040-1	480-148275-1
Laboratory Sample ID				460-166345-1	480-148275-2	460-165839-2	480-148275-3	460-166040-7	480-148275-4	480-148275-6	460-166040-8	460-166040-10	480-148275-5
Sample Type	Units	TOGS	EPA							Field Duplicate		Field Duplicate	
Volatile Organic Compounds													
Acetone	µg/L	50[A]	n/v	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	10 U
Benzene	µg/L	1[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	50[A]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, n-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, tert-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	µg/L	60[A]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane (Ethyl Chloride)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U F2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.5	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	n/v	n/v	1.0 UT	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dibromochloromethane	µg/L	50[A]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	µg/L	3[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,4-	µg/L	3[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,1-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloroethene, 1,1-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, cis-1,2-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, trans-1,2-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	µg/L	1[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, cis-1,3-	µg/L	0.4_p[B]	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4_p[B]	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Ethylbenzene	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	n/v	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***	***1.0 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	n/v	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyltoluene, p- (Cymene)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	µg/L	n/v	n/v	2.5 U	2.5 U	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	5.0 U	5.0 U	2.5 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	n/v	10 U	10 U	5.0 U	10 U	5.0 UT	10 U	10 U	5.0 UT	5.0 UT	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	n/v	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	µg/L	n/v	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride (Dichloromethane)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Propylbenzene, n-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,4-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,1-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE)	µg/L	5--[B]	n/v	1.0 U	1.0 U	**13[B]**	**12[B]**	**17[B]**	**9.7[B]**	**9.8[B]**	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trimethylbenzene, 1,2,4-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trimethylbenzene, 1,3,5-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	µg/L	2[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m & p-	µg/L	5--[B]	n/v	2.0 U	2.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U
Xylene, o-	µg/L	5--[B]	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	µg/L	5--[B]	n/v	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOC	µg/L	n/v	n/v	ND	ND	13	12	17	11.1	11.3	ND	ND	ND
VOC - Tentatively Identified Compounds													
Total VOC TICs	µg/L	n/v	n/v	3.4 TJ	-	-	-	-	-	-	-	-	-

See notes on last page.

Table 1
Summary of Groundwater Analytical Results
Remedial Investigation
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
A	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
B	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
EPA	United States Environmental Protection Agency
C	Fact Sheet PFOA & PFOS Drinking Water Health Advisories (2016) Lifetime Health Advisories
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
*	The standard for Iron and Manganese is 500 ug/L, which applies to the sum of these substances. As individual standards, the standard is 300 ug/L.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
b	Standard applies to the sum of all polychlorinated biphenyls.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	The reported result is an estimated value.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
ND	Not detected.
T	Indicates that a quality control parameter has exceeded laboratory limits.
UJ	Indicates estimated non-detect.
UT	Unable to calculate ratios; below calculable threshold.

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

March 7, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #9
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #9 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from February 9, 2019 through March 6, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- Work on the Remedial Investigation Report (RIR) continued.
- The Limited Supplemental Remedial Investigation (SRI) Work Plan was revised and resubmitted on February 26, 2019 to address the preliminary comments received from NYSDEC on February 4.
- Sub-slab depressurization system (SSDS) installation continued as follows:
    - Substantial completion of the SSDS was achieved on March 1, 2019. All seven (7) exhaust fans were turned on this date.
- Per the request of NYSDEC in its comments on the IRM WP, an additional soil vapor intrusion (SVI) monitoring point was installed in the northern tenant space on February 20, 2019.

2. Data Received or Generated in the Reporting Period

Data received or generated include the following:

- Data Validation Services (DVS) completed the data usability review on the second round of groundwater data. The data usability report (DUSR) was received on February 24. In summary, the RI laboratory data were found to be usable as reported by the lab or usable with qualification due to processing or matrix effects. No data were rejected.
- The February 8 Progress Report contained a summary of the prior RI DUSR that had been received on January 28. We wanted to provide a correction. In that progress report, we stated that no data were rejected. We were referring to the fact that no data had been rejected from the groundwater portion of the sampling, but this was not actually stated. Overall, the only RI data

Reference: **Monthly Progress Report #9**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

rejected were results for three pesticides (endosulfan sulfate, endrin aldehyde, and endrin ketone) from soil sample LIN-B105-S1, which were rejected due to poor matrix spike recoveries.

- Field data collected during SSDS construction, including community air monitoring data, will be presented in the IRM construction completion report (CCR).

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #8 was submitted on February 8, 2019.
- On February 11, NYSDEC approved the new SVI monitoring location in the Newport tenant space.
- On February 12, NYSDEC approved the location of proposed vacuum monitoring points and modifications to the sampling process in Section 3.6 of the IRM Work Plan to meet Department comments.
- On February 21, NYSDEC indicated the schedule prepared for the SRI Work Plan was acceptable.
- On February 26, the revised SRI Work Plan was submitted to the Departments for review.
- On March 5, NYSDEC indicated that SVI sampling should be not be conducted before about 30 days of operation and that it was acceptable to sample in early April if weather conditions are appropriate. NYSDEC requested a sub-slab pressure field extension figure prior to the sampling.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Work will continue on the Remedial Investigation Report (RIR).
- Confirm successful system operation and sub-slab pressure field extension of the SSDS and begin drafting the CCR and the Operation and Maintenance Manual.
- Install a SVI monitoring point in the southern tenant space, per the approved IRM Work Plan.
- Perform post-SSDS installation SVI sampling per the approved IRM Work Plan.

5. Completion, Delays, and Future Schedule

The RI field program is concluded. Implementation of the SRI Work Plan will begin as soon as practical, contingent on weather conditions, contractor availability, and the Department approval process. As shown in the schedule included in the revised SRI Work Plan, the draft RIR submission will incorporate findings from the SRI.

Reference: **Monthly Progress Report #9**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Closing

Should you have any questions or require further information, please contact us.

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
stephanie.reynoldssmith@stantec.com

Robert J. Mahoney, P.G.
Senior Environmental Geologist
(585) 413-5301
bob.mahoney@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#9 - covering february 2019\report.c828200.2019-03-08.pr9.docx

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

April 10, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #10
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #10 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from March 7, 2019 through April 10, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- Work on the Remedial Investigation Report (RIR) continued.
- Work on the preparation of the NYSDEC EDD for the validated RI dataset (including the previous Limited Phase II investigation data) began.
- Work on the Construction Completion Report (CCR) and Operations, Maintenance, and Monitoring Plan (OM&M Plan) began for the Interim Remedial Measure (IRM) related to the recently-completed installation of the SSDS in the southern tenant space (JML).
- Sub-slab pressure field extension testing of the SSDS was performed over several days in the early portion of March 2019 and documented in a figure provided to NYSDEC via email on March 18, per the request of NYSDEC.
- A soil vapor intrusion (SVI) monitoring point (SS-14) was installed in the JML space on March 14, per the approved IRM Work Plan.
- Post-SSDS installation SVI sampling at three locations in Newport (Phase II locations SS-4 and SS-5, and SS-13, which was installed during SSDS installation) and at two locations in JML (Phase II location SS-9 and new location SS-14) was performed on March 31, 2019 in accordance with the approved IRM Work Plan. Activities included:
    - Pre- and post-sample Helium leak testing;
    - Collection of one outdoor air sample and five co-located indoor air/sub-slab (IA/SS) vapor samples plus one duplicate for both IA and SS samples for TO-15 analysis using batch-certified 6L Summa canisters affixed with 8-hr flow regulators; and

Reference: **Monthly Progress Report #10**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

- Chemical inventory/building questionnaire updates. *Note: this task was performed on April 1, 2019 for the JML tenant space to accommodate the tenant's request.*

2. Data Received or Generated in the Reporting Period

Data received or generated include the following:

- On March 5, NYSDEC requested a sub-slab pressure field extension figure prior to the IA/SS vapor sampling outlined in the IRM Work Plan for the installation of an SSDS in the southern tenant space.
- Sub-slab pressure field extension testing of the SSDS was performed on several days in the first half of March 2019 and documented in a figure provided to NYSDEC via email on March 18.
- Analytical data from the recent post-SSDS installation SVI sampling event is anticipated to be received in mid-April. Preliminary results will be communicated to NYSDEC and NYSDOH in the subsequent Progress Report. A more detailed summary of validated results will be provided to the Departments in the CCR.

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #9 was submitted on March 7, 2019.
- On March 18, Stantec sent the proposed post-SSDS installation SVI monitoring timeline and approach to NYSDEC for review and approval to proceed.
- Having reviewed the pressure extension figure submitted on March 18, on March 28, NYSDEC approved the plan to complete the IA/SS vapor sampling as part of the IRM Work Plan for the installation of an SSDS in the southern tenant space on March 31, 2019.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Work will continue on the Remedial Investigation Report (RIR).
- Work will continue on the CCR and the OMM Plan.
- Pursuant to correspondence from the NYSDEC, we anticipate receiving approval/comments on the revised Supplemental Remedial Investigation Work Plan (SRI WP), which was submitted on Feb. 21 to address initial comments on the Dec. 21 SRI WP, for further investigation of the septic systems and will schedule the work accordingly.

Reference: **Monthly Progress Report #10**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

5. Completion, Delays, and Future Schedule

The RI field program is concluded. Implementation of the SRI Work Plan will begin as soon as practical, contingent on weather conditions, contractor availability, and the Department approval process. As shown in the schedule included in the revised SRI Work Plan, the draft RIR submission will incorporate findings from the SRI.

The field program for the IRM related to the installation of the SSDS in the southern tenant space is concluded. It is anticipated that the CCR and OM&M Plan will be completed following review, interpretation and validation of the additional indoor air/sub-slab vapor analytical data collected on March 31, 2019.

Closing

Should you have any questions or require further information, please contact us.

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
stephanie.reynoldssmith@stantec.com

Robert J. Mahoney, P.G.
Senior Environmental Geologist
(585) 413-5301
bob.mahoney@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#10 - covering march 2019\report.c828200.2019-04-10.pr10.docx

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

May 10, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #11
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #11 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from April 11, 2019 through May 10, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- Work continued on the Remedial Investigation Report (RIR).
- Work continued on the Construction Completion Report (CCR) and Operations, Maintenance, and Monitoring Plan (OM&M Plan) for the Interim Remedial Measure (IRM) related to the recently completed installation of the SSDS in the southern tenant space (JML).
- A total of four drums containing investigation-derived waste (IDW) from the 2nd round of groundwater sampling (January 2019) as well as SSDS construction-related waste were picked up by Stantec's sub-contractor Sun Environmental Corporation (Sun) on April 17, 2019 for transportation to Cycle Chem, Inc. in Lewisberry, PA for off-site disposal.
- The revised Supplemental Remedial Investigation Work Plan (SRI WP) was discussed in a conference call with NYSDEC and NYSDOH representatives on April 29, 2019. Comments on the SRI WP were received from NYSDEC and NYSDOH on May 9, 2019.

2. Data Received or Generated in the Reporting Period

Analytical data from the post-SSDS installation SVI sampling event performed on March 31, 2019 were received on April 12, 2019. Figures 1a and 1b present a summary of the data and the resultant NYSDOH matrix guidance recommendations for Newport and JML, respectively. Laboratory data are tabulated in

Reference: **Monthly Progress Report #11**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Tables 1a-1c and 2a-2c for Newport and JML, respectively. Preliminary review of the results indicates the following items of note:

- All three sampling locations in Newport (IA/SS-4, IA/SS-5, and IA/SS-13) demonstrated *No Further Action* matrix outcomes.
- One of the two JML sample locations (IA/SS-14) demonstrated *No Further Action* matrix outcomes.
- The second JML sample location (IA/SS-7) demonstrated *No Further Action* matrix outcomes for the compounds assessed except TCE. No concentration of TCE was reported in the indoor air sample, but the sub-slab vapor concentration was 80 µg/m^3 resulting in a *Mitigate* matrix recommendation. Both the indoor air and sub-slab vapor samples previously collected at IA/SS-7 during the April 2016 event were non-detect for TCE. As shown on Figure 1b, IA/SS-7 is in the 1954 building construction area. This area was not included in the original SSDS construction because of the previous sampling results.

Based on the SVI sampling results, it is proposed that a Supplemental Interim Remedial Measures Work Plan (IRM WP#3) be prepared to detail a proposed SSDS extension in the 1954 building construction area. It is proposed that submission of the SSDS Construction Completion Report (CCR) and Operation, Maintenance and Monitoring Plan (OM&M Plan) be delayed until SSDS installation in the 1954 building construction area is completed such that this new area can be included.

The data underwent a data usability review. The Data Usability Summary Report (DUSR), attached, indicates that results were usable either as reported or with minor qualification. A detailed summary of validated results will be provided to the Departments in the CCR.

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #10 was submitted on April 10, 2019.
- The NYSDEC EDD for the validated RI dataset (including the previous Limited Phase II investigation data) was submitted on April 5, 2019.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Work will continue on the Remedial Investigation Report (RIR).
- Work will continue on the CCR and the SSDS OMM Plan.
- Addressing comments on the revised Supplemental Remedial Investigation Work Plan (SRI WP), for further investigation of the septic systems.

Reference: **Monthly Progress Report #11**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

5. Completion, Delays, and Future Schedule

The RI field program is concluded. Implementation of the SRI Work Plan will begin when agency comments are addressed. As shown in the schedule included in the revised SRI Work Plan, the draft RIR submission will incorporate findings from the SRI; however, the schedule for implementation of the SRI will need to be updated.

The field program for the IRM related to the installation of the SSDS in the southern tenant space is concluded. Contingent on NYSDEC approval, it is anticipated that the CCR and OM&M Plan will be completed following installation of a SSDS in the 1954 building construction area.

Closing

Should you have any questions or require further information, please contact us. We look forward to your comments on/approval of both the proposed plan to prepare an IRM WP#3 to cover construction of a SSDS in the 1954 building construction area.

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
stephanie.reynoldssmith@stantec.com

Robert J. Mahoney, P.G.
Senior Environ. Geologist
(585) 413-5301
bob.mahoney@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

Attachments:

Figure 1a	Newport Tenant Space Interior Building Plan and SVI Sampling Results with NYSDOH Matrix Recommendations
Figure 1b	JML Optical Tenant Space Interior Building Plan and SVI Sampling Results with NYSDOH Matrix Recommendations -
Table 1a	Summary of Sub-Slab Vapor Analytical Results (Newport)
Table 1b	Summary of Indoor and Outdoor Air Analytical Results (Newport)
Table 1c	Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (Newport)
Table 2a	Summary of Sub-Slab Vapor Analytical Results (JML)
Table 2b	Summary of Indoor and Outdoor Air Analytical Results (JML)
Table 2c	Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (JML)

Reference: **Monthly Progress Report #11**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Data Usability Summary Report

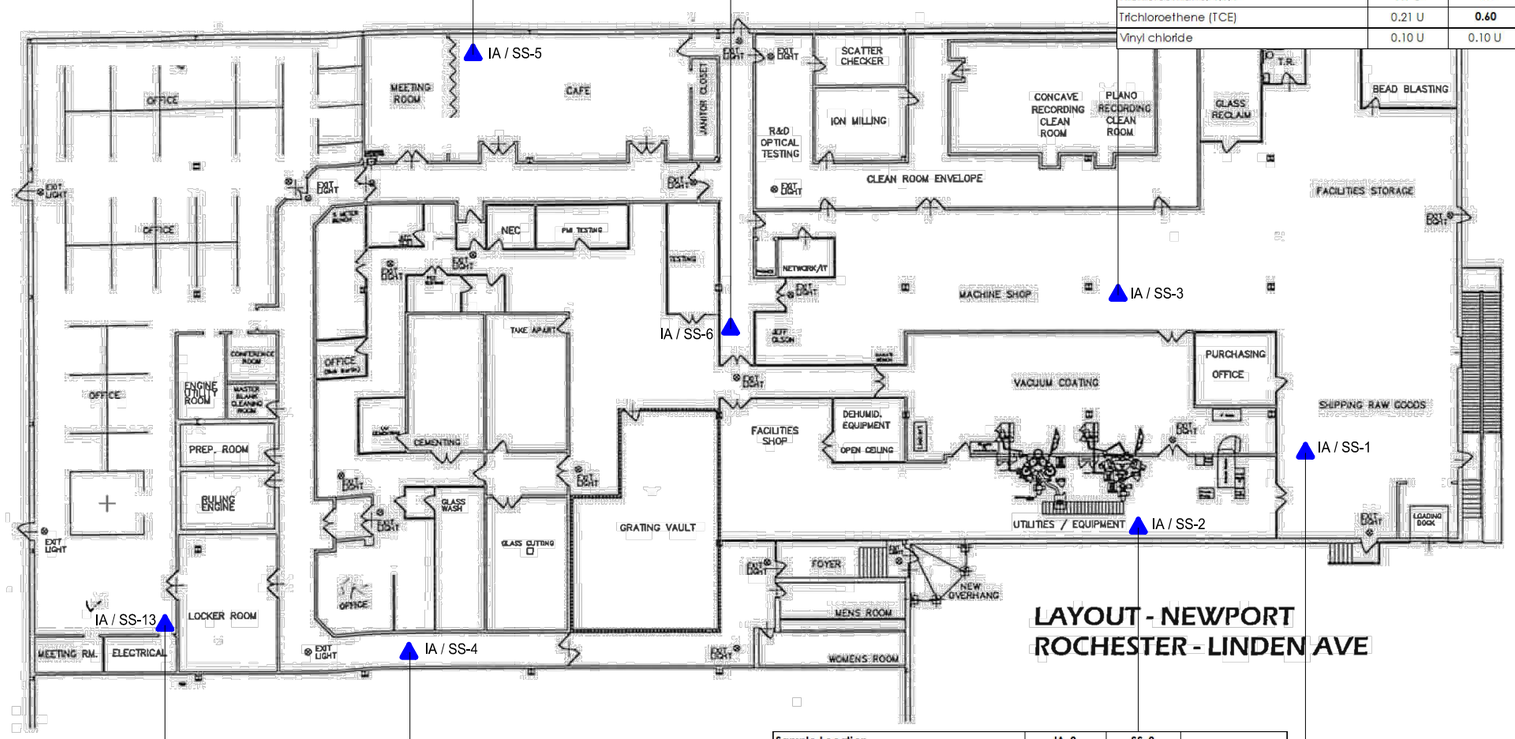
ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#11 - covering april 2019\report.c828200.2019-05-10.pr11.docx

Sample Location	IA-5	SS-5	Matrix Output	IA-5	SS-5	Matrix Output	IA-5	SS-5	Matrix Output
Sample Date	April 14, 2016			January 18, 2017			March 31, 2019		
Carbon Tetrachloride (Tetrachloromethane)	**0.44**	**0.30**	No further action	**0.37**	**0.30**	No further action	**0.29**	**0.21 J**	No further action
Dichloroethene, 1,1-	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action	0.14 U	0.14 U	No further action
Dichloroethene, cis-1,2-	**0.32 J**	0.79 U	No further action	0.79 U	0.79 U	No further action	0.20 U	0.20 U	No further action
Methylene Chloride (Dichloromethane)	**1.0 J**	**0.70 J**	No further action	**6.4**	**0.83 J**	No further action	**1.9**	**0.73 J**	No further action
Tetrachloroethene (PCE)	1.4 U	**2.5**	No further action	**0.19 J**	**2.5**	No further action	1.4 U	**1.1 J**	No further action
Trichloroethane, 1,1,1-	1.1 U	**1.3**	No further action	1.1 U	**2.0**	No further action	1.1 U	**1.3**	No further action
Trichloroethene (TCE)	**2.1**	0.21 U	R&P action	0.21 U	0.21 U	No further action	0.19 U	0.19 U	No further action
Vinyl chloride	**0.25**	0.10 U	R&P action	**0.099 J**	0.10 U	No further action	0.20 U	0.20 U	No further action

Sample Location	IA-6	SS-6	Matrix Output	IA-6	SS-6	Matrix Output
Sample Date	April 14, 2016			January 18, 2017		
Carbon Tetrachloride (Tetrachloromethane)	**0.25**	**0.39**	No further action	0.25 U	**0.39**	No further action
Dichloroethene, 1,1-	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action
Dichloroethene, cis-1,2-	**0.16 J**	0.79 U	No further action	0.79 U	0.79 U	No further action
Methylene Chloride (Dichloromethane)	**0.89 J**	**2.3**	No further action	**2.6**	**18**	No further action
Tetrachloroethene (PCE)	1.4 U	**0.56 J**	No further action	1.4 U	**4.0**	No further action
Trichloroethane, 1,1,1-	1.1 U	**0.61 J**	No further action	1.1 U	**8.1**	No further action
Trichloroethene (TCE)	**0.21**	**0.51**	No further action	0.21 U	**4.1**	No further action
Vinyl chloride	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action

Sample Location	IA-3	SS-3	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	**0.53**	**0.48**	No further action
Dichloroethene, 1,1-	0.79 U	**0.32 J**	No further action
Dichloroethene, cis-1,2-	0.79 U	0.79 U	No further action
Methylene Chloride (Dichloromethane)	**1.2 J**	1.7 U	No further action
Tetrachloroethene (PCE)	1.4 U	**1.9**	No further action
Trichloroethane, 1,1,1-	1.1 U	**1.6**	No further action
Trichloroethene (TCE)	0.21 U	**0.60**	No further action
Vinyl chloride	0.10 U	0.10 U	No further action



LAYOUT - NEWPORT
ROCHESTER - LINDEN AVE

Sample Location	IA-13	SS-13	Matrix Output
Sample Date	March 31, 2019		
Carbon Tetrachloride (Tetrachloromethane)	**0.31**	**0.28**	No further action
Dichloroethene, 1,1-	0.14 U	0.14 U	No further action
Dichloroethene, cis-1,2-	0.20 U	0.20 U	No further action
Methylene Chloride (Dichloromethane)	1.7 U	1.7 U	No further action
Tetrachloroethene (PCE)	1.4 U	**18**	No further action
Trichloroethane, 1,1,1-	1.1 U	**2.8**	No further action
Trichloroethene (TCE)	0.19 U	**20**	No further action
Vinyl chloride	0.20 U	0.20 U	No further action

Sample Location	IA-4	SS-4	Matrix Output	IA-4	SS-4	Matrix Output	IA-4	SS-4	Matrix Output
Sample Date	April 14, 2016			January 18, 2017			March 31, 2019		
Carbon Tetrachloride (Tetrachloromethane)	**0.56**	**0.34**	No further action	**0.39 J**	**0.36**	No further action	**0.28**	**0.31**	No further action
Dichloroethene, 1,1-	0.79 U	0.79 U	No further action	1.3 U	0.79 U	R&P action	0.14 U	0.14 U	No further action
Dichloroethene, cis-1,2-	0.79 U	0.79 U	No further action	1.3 U	0.79 U	R&P action	0.20 U	0.20 U	No further action
Methylene Chloride (Dichloromethane)	**1.6 J**	**14**	No further action	**46**	**570 D**	Mitigate	1.7 U	1.7 U	No further action
Tetrachloroethene (PCE)	1.4 U	**2.0**	No further action	**0.29 J**	**25**	No further action	1.4 U	**0.54 J**	No further action
Trichloroethane, 1,1,1-	1.1 U	**1.1**	No further action	1.8 U	**14**	No further action	1.1 U	1.1 U	No further action
Trichloroethene (TCE)	0.21 U	**12**	Monitor	0.36 U	**140**	Mitigate	0.19 U	**1.3**	No further action
Vinyl chloride	0.10 U	**0.13**	No further action	**0.13 J**	0.10 U	No further action	0.20 U	0.20 U	No further action

Sample Location	IA-2	SS-2	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	0.50 U	**0.26**	No further action
Dichloroethene, 1,1-	1.6 U	0.79 U	R&P action
Dichloroethene, cis-1,2-	1.6 U	0.79 U	R&P action
Methylene Chloride (Dichloromethane)	**1.3 J**	**0.62 J**	No further action
Tetrachloroethene (PCE)	2.7 U	**0.25 J**	No further action
Trichloroethane, 1,1,1-	2.2 U	**0.75 J**	No further action
Trichloroethene (TCE)	0.43 U	0.21 U	No further action
Vinyl chloride	0.20 U	0.10 U	No further action

Sample Location	IA-1	SS-1	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	**0.44**	**0.46**	No further action
Dichloroethene, 1,1-	0.79 U	0.79 U	No further action
Dichloroethene, cis-1,2-	0.79 U	0.79 U	No further action
Methylene Chloride (Dichloromethane)	**2.6**	**2.4**	No further action
Tetrachloroethene (PCE)	1.4 U	**1.8**	No further action
Trichloroethane, 1,1,1-	1.1 U	**1.5**	No further action
Trichloroethene (TCE)	0.21 U	0.21 U	No further action
Vinyl chloride	0.10 U	0.10 U	No further action

Stantec
61 Commercial Street, Suite 100
Rochester, New York USA 14614
585.475.1440
www.stantec.com

It is a violation of the NYS Education Law for any person, unless under the direction of a Licensed Professional Engineer, to alter this document in any way. Alterations must have the altering Engineer's seal affixed to the document and the notation "Altered By" along with a description of the alterations, date of the alteration and the Professional Engineer's signature.

These documents contain potentially sensitive information and shall only be used for their intended purpose. Once the intended purpose has ceased, the documents shall be destroyed in a secure manner.

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

IA / SS-7

APPROXIMATE SAMPLE LOCATION

No further action	No further action is recommended.
R&P action	Take reasonable and practical actions to identify source(s) and reduce exposures.
Monitor	Monitoring is recommended.
Mitigate	Mitigation is recommended.

Notes

1. FIGURE DEVELOPED USING BASE BUILDING PLAN PROVIDED BY NEWPORT.
2. SEE TABLE 1a–1c FOR COMPLETE TABULATION.
3. ABBREVIATIONS:

IA – INDOOR AIR
SS – SOIL SAMPLE
U – ANALYTE WAS NOT DETECTED AT A CONCENTRATION GREATER THAN THE LABORATORY REPORTING LIMIT
J – THE REPORTED RESULT IS AN ESTIMATED VALUE

4. CONCENTRATIONS ARE PROVIDED IN $\mu g/m^3$.
5. ALL LOCATIONS SHOWN ARE APPROXIMATE.

Issued	By	Appd.	YY.MM.DD
RIR	LB	MPS	19.02.21
RIWP	APL	MPS	17.09.05

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	APL	SRS	LB	16.05.13

Permit-Seal

Client/Project

REMEDIAL INVESTIGATION REPORT

MONTHLY PROGRESS REPORT # 11
820 LINDEN AVE. BCP SITE # C828200

820 LINDEN AVENUE, PITTSFORD, NY

Title

NEWPORT TENANT SPACE INTERIOR BUILDING PLAN AND SVI SAMPLING RESULTS WITH NYSDOH MATRIX RECOMMENDATIONS (NEWPORT)

Project No. 190500898

Scale NOT TO SCALE

Drawing No. Figure 1a

Sheet of

Revision

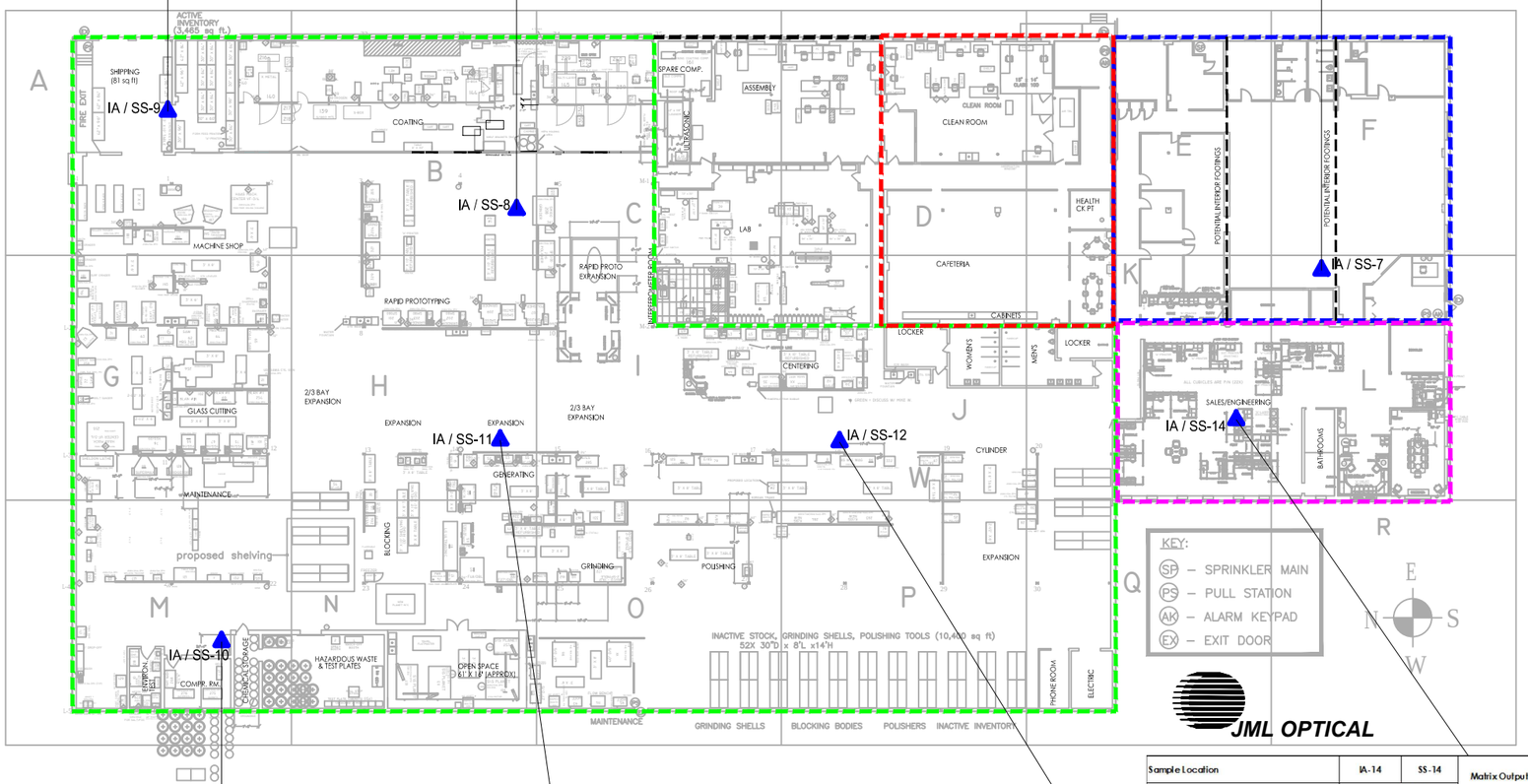
U:\190500898.00_report_data\dwgs_design\CAD_figures\FIGURE 1a - Sample Location Map-NEWPORT 5-1-2019 - MPR # 11.dwg
2019/05/07 2:02 PM by: Less, Andy

ORIGINAL SHEET - ANSI D

Sample Location	IA-9	SS-9	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	1.5 U	**0.38**	R&P action
Dichloroethene, 1,1-	4.8 U	0.79 U	R&P action
Dichloroethene, cis-1,2-	4.8 U	0.79 U	R&P action
Methylene Chloride (Dichloromethane)	**530**	**120**	Mitigate
Tetrachloroethene (PCE)	8.2 U	**16**	No further action
Trichloroethane, 1,1,1-	6.6 U	**5.7**	No further action
Trichloroethene (TCE)	1.3 U	**3.1**	R&P action
Vinyl chloride	0.62 U	0.10 U	R&P action

Sample Location	IA-8	SS-8	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	3.0 U	2.5 U	R&P action
Dichloroethene, 1,1-	9.6 U	7.9 U	Mitigate
Dichloroethene, cis-1,2-	9.6 U	7.9 U	Mitigate
Methylene Chloride (Dichloromethane)	**500**	**380**	Mitigate
Tetrachloroethene (PCE)	16 U	**71**	R&P action
Trichloroethane, 1,1,1-	13 U	**4.4 J**	R&P action
Trichloroethene (TCE)	2.6 U	**59**	Mitigate
Vinyl chloride	1.2 U	1.0 U	R&P action

Sample Location	IA-7	SS-7	Matrix Output	IA-7 (Duplicate)	SS-7 (Duplicate)	Matrix Output	IA-7	SS-7	Matrix Output
Sample Date	April 14, 2016			April 14, 2016			March 31, 2019		
Carbon Tetrachloride (Tetrachloromethane)	0.50 U	**0.40**	No further action	**0.47 J**	**0.40**	No further action	0.29 U	**0.35**	No further action
Dichloroethene, 1,1-	1.6 U	0.79 U	R&P action	1.6 U	0.79 U	R&P action	0.14 U	0.14 U	No further action
Dichloroethene, cis-1,2-	1.6 U	0.79 U	R&P action	1.6 U	0.79 U	R&P action	0.20 U	**9.9**	No further action
Methylene Chloride (Dichloromethane)	**76**	**12**	R&P action	**99**	**12**	R&P action	**1.1 J**	1.7 U	No further action
Tetrachloroethene (PCE)	2.7 U	**1.9**	No further action	2.7 U	**1.8**	No further action	1.4 U	**3.7**	No further action
Trichloroethane, 1,1,1-	2.2 U	**0.91 J**	No further action	2.2 U	**0.91 J**	No further action	1.1 U	**0.79 J**	No further action
Trichloroethene (TCE)	0.43 U	0.21 U	No further action	0.43 U	0.21 U	No further action	0.19 U	**80**	Mitigate
Vinyl chloride	0.20 U	0.10 U	No further action	0.20 U	0.10 U	No further action	0.20 U	**2.6 J+**	No further action



*SEE LEGEND

1954*

1956*

1958*

1959*

1966*

Sample Location	IA-10	SS-10	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	2.8 U	**0.41 J**	R&P action
Dichloroethene, 1,1-	8.9 U	1.6 U	R&P action
Dichloroethene, cis-1,2-	8.9 U	1.6 U	R&P action
Methylene Chloride (Dichloromethane)	**890**	**220**	Mitigate
Tetrachloroethene (PCE)	15 U	**64**	R&P action
Trichloroethane, 1,1,1-	12 U	**9.3**	R&P action
Trichloroethene (TCE)	2.4 U	**71**	Mitigate
Vinyl chloride	1.1 U	0.20 U	R&P action

Sample Location	IA-11	SS-11	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	2.5 U	1.5 U	R&P action
Dichloroethene, 1,1-	7.9 U	4.8 U	R&P action
Dichloroethene, cis-1,2-	7.9 U	4.8 U	R&P action
Methylene Chloride (Dichloromethane)	**710**	**720**	Mitigate
Tetrachloroethene (PCE)	14 U	**89**	R&P action
Trichloroethane, 1,1,1-	11 U	**5.9 J**	R&P action
Trichloroethene (TCE)	2.1 U	**79**	Mitigate
Vinyl chloride	1.0 U	0.62 U	R&P action

Sample Location	IA-14	SS-14	Matrix Output	IA-14 (Duplicate)	SS-14 (Duplicate)	Matrix Output
Sample Date	March 31, 2019			March 31, 2019		
Carbon Tetrachloride (Tetrachloromethane)	**0.29**	0.22 U	No further action	**0.29**	0.88 U	No further action
Dichloroethene, 1,1-	0.14 U	0.14 U	No further action	0.14 U	0.56 U	No further action
Dichloroethene, cis-1,2-	0.20 U	0.20 U	No further action	0.20 U	**3.1**	No further action
Methylene Chloride (Dichloromethane)	**5.5**	**1.3 J**	No further action	**5.7**	6.9 U	No further action
Tetrachloroethene (PCE)	1.4 U	**12**	No further action	1.4 U	**13**	No further action
Trichloroethane, 1,1,1-	1.1 U	**0.81 J**	No further action	1.1 U	4.4 U	No further action
Trichloroethene (TCE)	0.19 U	**0.45 J**	No further action	0.19 U	**22 J**	No further action
Vinyl chloride	0.20 U	0.20 U	No further action	0.20 U	**1.1 J**	No further action

Sample Location	IA-12	SS-12	Matrix Output
Sample Date	April 14, 2016		
Carbon Tetrachloride (Tetrachloromethane)	2.5 U	**0.66 J**	R&P action
Dichloroethene, 1,1-	7.9 U	2.4 U	R&P action
Dichloroethene, cis-1,2-	7.9 U	2.4 U	R&P action
Methylene Chloride (Dichloromethane)	**530**	**320**	Mitigate
Tetrachloroethene (PCE)	14 U	**100**	Mitigate
Trichloroethene, 1,1,1-	11 U	3.3 U	R&P action
Trichloroethene (TCE)	2.1 U	**160**	Mitigate
Vinyl chloride	1.0 U	0.31 U	R&P action

Stantec

61 Commercial Street, Suite 100
Rochester, New York USA 14614
585.475.1440
www.stantec.com

It is a violation of the NYS Education Law for any person, unless under the direction of a Licensed Professional Engineer, to alter this document in any way. Alterations must have the altering Engineer's seal affixed to the document and the notation "Altered By" along with a description of the alterations, date of the alteration and the Professional Engineer's signature.

These documents contain potentially sensitive information and shall only be used for their intended purpose. Once the intended purpose has ceased, the documents shall be destroyed in a secure manner.

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

IA / SS-7 — APPROXIMATE INDOOR AIR AND SUB–SLAB VAPOR SAMPLE LOCATION

No further action	No further action is recommended.
R&P action	Take reasonable and practical actions to identify source(s) and reduce exposures.
Monitor	Monitoring is recommended.
Mitigate	Mitigation is recommended.

1954 — APPROXIMATE SLAB FOOTPRINTS AND YEAR OF BUILDING PERMIT

Notes

1. FIGURE DEVELOPED USING BASE BUILDING PLAN PROVIDED BY JML OPTICAL.
2. SEE TABLES 2a–2c FOR COMPLETE TABULATION.
3. ABBREVIATIONS:

IA – INDOOR AIR
SS – SOIL SAMPLE
U – ANALYTE WAS NOT DETECTED AT A CONCENTRATION GREATER THAN THE LABORATORY REPORTING LIMIT
J – THE REPORTED RESULT IS AN ESTIMATED VALUE
J+ – THE REPORTED RESULTS IS AN ESTIMATED VALUE THAT M BE BIASED HIGH

4. CONCENTRATIONS ARE PROVIDED IN $\mu g/m^3$.
5. ALL LOCATIONS SHOWN ARE APPROXIMATE.

	By	Appd.	YY.MM.DD
RIR	LB	MPS	19.02.21
RIWP	APL	MPS	17.09.05

Issued

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	APL	SRS	LB	16.07.18

Permit-Seal

Client/Project

REMEDIAL INVESTIGATION REPORT

MONTHLY PROGRESS REPORT #11
820 LINDEN AVE. BCP SITE # C828200

820 LINDEN AVENUE, PITTSFORD, NY

Title

JML OPTICAL TENANT SPACE INTERIOR BUILDING PLAN AND SVI SAMPLING RESULTS WITH NYSDOH MATRIX RECOMMENDATIONS (JML OPTICAL)

Project No. 190500898

Scale NOT TO SCALE

Drawing No. Figure 1b

Sheet of

Revision

ORIGINAL SHEET - ANSI D

Table 1a
Summary of Sub-Slab Vapor Analytical Results (Newport)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		SS-1	SS-2	SS-3	SS-4				SS-5			SS-6		SS-13
Sample Date		14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	18-Jan-17	18-Jan-17	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19
Sample ID		SS-1	SS-2	SS-3	SS-4	SS-4	SS-DUP	SS-4	SS-5	SS-5	SS-5	SS-6	SS-6	SS-13
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR
Laboratory Work Order		200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-37082-1	200-37082-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1
Laboratory Sample ID		200-33091-1	200-33091-2	200-33091-3	200-33091-4	200-37082-1	200-37082-6	200-48131-2	200-33091-5	200-37082-3	200-48131-4	200-33091-6	200-37082-5	200-48131-5
Sample Type	Units						Field Duplicate							
Volatile Organic Compounds														
Acetone	µg/m3	**420 J**	**480 J**	**26**	**200 J**	**35 J**	**49 J**	**140 D**	**130 J**	**11 J**	**10 J**	**77**	**48**	**42**
Allyl chloride (3-Chloropropene)	µg/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m3	**1.6**	**0.45 J**	**0.73**	**0.45 J**	**5.3**	**5.2**	**5.8**	**20**	**2.3**	**1.9**	**9.3**	**3.0**	**0.24 J**
Benzyl Chloride	µg/m3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform (Tribromomethane)	µg/m3	**1.7 J**	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m3	**0.50 J**	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	µg/m3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	µg/m3	**7.1**	**2.6**	**2.2**	**1.9**	**4.9**	**6.6**	**2.6**	**1.4**	1.2 U	1.2 U	**2.3**	**1.3**	1.2 U
Butylbenzene, n-	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, sec- (2-Phenylbutane)	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, tert-	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Carbon Disulfide	µg/m3	**3.9**	**1.1 J**	**1.0 J**	1.6 U	**2.7**	**0.76 J**	**1.7**	**0.45 J**	**0.96 J**	**19**	**0.96 J**	1.6 U	**23**
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	**0.46**	**0.26**	**0.48**	**0.34**	**0.36**	**0.39**	**0.31**	**0.30**	**0.30**	**0.21 J**	**0.39**	**0.39**	**0.28**
Chlorobenzene (Monochlorobenzene)	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane (Freon 22)	µg/m3	**130**	**46**	**74**	**60**	**24**	**31**	**49**	**19**	**1.3 J**	**1.1 J**	**47**	**11**	**33**
Chloroethane (Ethyl Chloride)	µg/m3	1.3 U	1.3 U	1.3 U	1.3 U	**0.78 J**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m3	**0.53 J**	0.98 U	0.98 U	0.98 U	**1.7**	**2.0**	**0.38 J**	**0.65 J**	0.98 U	0.98 U	**1.4**	**1.2**	0.98 U
Chloromethane	µg/m3	**1.3**	**0.62 J**	**0.35 J**	**0.98 J**	**2.7 J**	**1.1 J**	1.0 U	**0.66 J**	**0.45 J**	1.0 U	**0.87 J**	**1.4**	1.0 U
Chlorotoluene, 2-	µg/m3	**1.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/m3	**1.1**	**0.48 J**	0.69 U	0.69 U	**3.7**	**3.8**	**13**	0.69 U	**1.4**	**0.42 J**	**0.17 J**	**6.0**	0.69 U
Dibromochloromethane	µg/m3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorobenzene, 1,2-	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.64 J**
Dichlorobenzene, 1,3-	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	µg/m3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorodifluoromethane (Freon 12)	µg/m3	**2.8**	**2.2 J**	**2.7**	**2.7**	**3.1**	**4.7**	**1.9 J**	**2.2 J**	**2.4 J**	**1.7 J**	**2.3 J**	**2.7**	**2.2 J**
Dichloroethane, 1,1-	µg/m3	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	µg/m3	**0.22 J**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	**0.27 J**	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	µg/m3	0.79 U	0.79 U	**0.32 J**	0.79 U	0.79 U	0.79 U	0.14 U	0.79 U	0.79 U	0.14 U	0.79 U	0.79 U	0.14 U
Dichloroethene, cis-1,2-	µg/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.20 U	0.79 U	0.79 U	0.20 U	0.79 U	0.79 U	0.20 U
Dichloroethene, trans-1,2-	µg/m3	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene-1,2- (sum)	µg/m3	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	µg/m3	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	**0.12 J**	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3-	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3-	µg/m3	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Dioxane, 1,4-	µg/m3	18 U	18 U	18 U	18 U	**11 J**	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
Ethylbenzene	µg/m3	**1.2**	0.87 U	**0.54 J**	**0.26 J**	**0.25 J**	**0.31 J**	**1.4**	**0.18 J**	0.87 U	**0.69 J**	**3.0**	**2.4**	**1.0**
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Ethyltoluene, 4-	µg/m3	**2.6**	0.98 U	**0.85 J**	0.98 U	0.98 U	0.98 U	**0.44 J**	0.98 U	0.98 U	0.98 U	**0.36 J**	**0.31 J**	0.98 U
Heptane (C7)	µg/m3	**2.4**	0.82 U	**1.6**	0.82 U	**0.59 J**	**0.69 J**	**1.4**	0.82 U	0.82 U	0.82 U	0.82 U	**0.69 J**	0.82 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane (n-Hexane)	µg/m3	**2.2**	**0.71**	**1.6**	0.70 U	**12**	**13**	**22**	**0.70**	**4.4**	**2.4**	**0.55 J**	**20**	**1.0**
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	**1.1 J**	2.0 U	2.0 U	2.0 U	**0.81 J**	2.0 U	2.0 U	**0.66 J**	2.0 U	2.0 U	**1.3 J**	**1.2 J**	2.0 U
Isopropyl Alcohol (2-Propanol)	µg/m3	**96**	**18**	**2.5 J**	**41**	**4.8 J**	**9.1 J**	**68**	**7.1 J**	**25**	12 U	**9.5 J**	**14**	**6.0 J**
Isopropylbenzene	µg/m3	**1.1**	0.98 U	**0.56 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.70 J**	**0.29 J**	0.98 U
Isopropyltoluene, p- (Cymene)	µg/m3	**0.48 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**0.41 J**	**0.42 J**
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	**9.2**	**3.9**	**2.8**	**1.3 J**	**5.6**	**7.0**	**15**	**4.4**	1.5 U	**2.4**	**7.7**	**12**	**2.7**
Methyl Isobutyl Ketone (MIBK)	µg/m3	**1.4 J**	2.0 U	**0.65 J**	2.0 U	**3.0**	**3.2**	**3.0**	**0.91 J**	2.0 U	2.0 U	**19**	**4.8**	2.0 U
Methyl Methacrylate	µg/m3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether (MTBE)	µg/m3	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride (Dichloromethane)	µg/m3	**2.4**	**0.62 J**	1.7 U	**14**	**570 D**	**570 D**	1.7 U	**0.70 J**	**0.83 J**	**0.73 J**	**2.3**	**18**	1.7 U
Naphthalene	µg/m3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**1.1 J**	2.6 U
Propylbenzene, n-	µg/m3	**2.3**	0.98 U	**0.77 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.30 J**	0.98 U
Styrene	µg/m3	**0.27 J**	0.85 U	0.85 U	0.85 U	0.85 U	**0.16 J**	**0.56 J**	0.85 U	0.85 U	**0.94**	0.85 U	**0.51 J**	**0.67 J**
Tert-Butyl Alcohol	µg/m3	15 U	15 U	15 U	15 U	15 U	15 U	**5.8 J**	15 U	15 U	15 U	**3.9 J**	15 U	15 U
Tetrachloroethane, 1,1,2,2-	µg/m3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	**0.86 J**	1.4 U
Tetrachloroethene (PCE)	µg/m3	**1.8**	**0.25 J**	**1.9**	**2.0**	**25**	**23**	**0.54 J**	**2.5**	**2.5**	**1.1 J**	**0.56 J**	**4.0**	**18**
Tetrahydrofuran	µg/m3	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	**5.4 J**	15 U
Toluene	µg/m3	**6.2**	**2.3**	**3.5**	**0.73 J**	**27**	**28**	**91**	**1.1**	**2.4**	**20**	**2**	**59**	**7.7**
Trichlorobenzene, 1,2,3-	µg/m3	1.5 U	1.5 U	1.5 U	1.5 U	3.7 U	3.7 U	3.7 U	1.5 U	3.7 U	3.7 U	1.5 U	3.7 U	3.7 U
Trichlorobenzene, 1,2,4-	µg/m3	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Trichloroethane, 1,1,1-	µg/m3	**1.5**	**0.75 J**	**1.6**	**1.1**	**14**	**15**	1.1 U	**1.3**	**2.0**	**1.3**	**0.61 J**	**8.1**	**2.8**
Trichloroethane, 1,1,2-	µg/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene (TCE)	µg/m3	0.21 U	0.21 U	**0.60**	**12**	**140**	**140**	**1.3**	0.21 U	0.21 U	0.19 U	**0.51**	**4.1**	**20**
Trichlorofluoromethane (Freon 11)	µg/m3	**2.0**	**1.4**	**1.7**	**1.9**	**6.1**	**7.3**	**1.1**	**2.8**	**3.0**	**2.1**	**1.3**	**3.6**	**1.9**
Trichlorotrifluoroethane (Freon 113)	µg/m3	**2.4**	**1.4 J**	**1.2 J**	**0.89 J**	**3.8**	**4.0**	**0.50 J**	**0.79 J**	**0.94 J**	**0.76 J**	**0.65 J**	**2.0**	**0.82 J**
Trimethylbenzene, 1,2,4-	µg/m3	**14**	0.98 U	**5.9**	0.98 U	0.98 U	0.98 U	**1.5**	**1.1**	0.98 U	**0.54 J**	**1.6**	**1.2**	**0.75 J**
Trimethylbenzene, 1,3,5-	µg/m3	**6.4**	0.98 U	**2.7**	0.98 U	0.98 U	0.98 U	**0.41 J**	0.98 U	0.98 U	0.98 U	**0.76 J**	**0.45 J**	0.98 U
Trimethylpentane, 2,2,4-	µg/m3	**0.42 J**	0.93 U	0.93 U	**0.73 J**	0.93 U	0.93 U	**0.43 J**	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Vinyl Bromide (Bromoethene)	µg/m3	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m3	0.10 U	0.10 U	0.10 U	**0.13**	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.20 U
Xylene, m & p-	µg/m3	**8.0**	2.2 U	**4.7**	**0.51 J**	**0.86 J**	**0.99 J**	**4.8**	**1.2 J**	**0.36 J**	**2.0 J**	**20**	**13**	**5.1**
Xylene, o-	µg/m3	**3.0**	0.87 U	**1.6**	0.87 U	**0.28 J**	**0.36 J**	**1.8**	**0.32 J**	0.87 U	**0.72 J**	**25**	**12**	**2.5**
Xylenes, Total	µg/m3	**11**	3.0 U	**6.4**	**0.52 J**	**1.2 J**	**1.4 J**	**6.6**	**1.5 J**	**0.36 J**	**2.8 J**	**45**	**25**	**7.7**
VOC - Tentatively Identified Compounds														
Total VOC TICs	ppbv	-	-	-	-	-	-	**50 JN**	-	-	**8.3 JN**	-	-	**381.2 JN**

Notes:

15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
-	Parameter not analyzed / not available.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	The reported result is an estimated value.
N	This flag indicates the presumptive evidence of a compound.
TALBUR	Test America, South Burlington, VT

Table 1b
Summary of Indoor and Outdoor Air Analytical Results (Newport)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location			IA-1	IA-2	IA-3	IA-4			IA-5			IA-6		IA-13	OA-1 (Apr. 2017)	OA-1 (Jan. 2017)	OA-2
Sample Date			14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	18-Jan-17	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19
Sample ID			IA-1	IA-2	IA-3	IA-4	IA-4	IA-4	IA-5	IA-5	IA-5	IA-6	IA-6	IA-13	OA-1	OA-1	OA-2
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR
Laboratory Work Order			200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-37082-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1
Laboratory Sample ID	Units	NYSDOH	200-33091-13	200-33091-14	200-33091-15	200-33091-16	200-37082-7	200-48131-1	200-33091-17	200-37082-2	200-48131-3	200-33091-18	200-37082-4	200-48131-6	200-33091-27	200-37082-8	200-48131-13
Volatile Organic Compounds																	
Acetone	µg/m3	n/v	**60**	**60**	**29**	**360 J**	**640 D**	**110 D**	**360 J**	**180 D**	**34**	**65**	**90**	**92**	**14**	**11 J**	12 U
Allyl chloride (3-Chloropropene)	µg/m3	n/v	1.6 U	3.1 U	1.6 U	1.6 U	2.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m3	n/v	**0.37 J**	**0.47 J**	**0.48 J**	**0.60 J**	**1.1**	**0.49 J**	0.64 U	**0.85**	**0.40 J**	**0.38 J**	**0.24 J**	**0.36 J**	**0.31 J**	**0.75**	**0.32 J**
Benzyl Chloride	µg/m3	n/v	1.0 U	2.1 U	1.0 U	1.0 U	1.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m3	n/v	1.3 U	2.7 U	1.3 U	1.3 U	2.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform (Tribromomethane)	µg/m3	n/v	2.1 U	4.1 U *	2.1 U	2.1 U	3.5 U	2.1 U	2.1 U *	2.1 U	2.1 U	2.1 U *	2.1 U	2.1 U	2.1 U *	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m3	n/v	0.78 U	1.6 U	0.78 U	0.78 U	1.3 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	µg/m3	n/v	0.44 U	0.88 U	0.44 U	0.44 U	0.75 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	µg/m3	n/v	**4.7**	**4.7**	**3.8**	**2.5**	**4.2**	**2.2**	**2.0**	**3.0**	1.2 U	**2.1**	**1.0 J**	**1.2**	**0.62 J**	**3.1**	1.2 U
Butylbenzene, n-	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	1.9 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, sec- (2-Phenylbutane)	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	1.9 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, tert-	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	1.9 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Carbon Disulfide	µg/m3	n/v	1.6 U	3.1 U	1.6 U	1.6 U	**0.45 J**	**6.1**	**0.48 J**	**1.2 J**	1.6 U	1.6 U	**0.24 J**	1.6 U	1.6 U	**1.9**	**0.95 J**
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	n/v	**0.44**	0.50 U	**0.53**	**0.56**	**0.39 J**	**0.28**	**0.44**	**0.37**	**0.29**	**0.25**	0.25 U	**0.31**	**0.39**	**0.46**	**0.30**
Chlorobenzene (Monochlorobenzene)	µg/m3	n/v	0.92 U	1.8 U	0.92 U	0.92 U	1.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane (Freon 22)	µg/m3	n/v	**70**	**140**	**70**	**63**	**5.1**	**53**	**66**	**1.5 J**	**14**	**47**	**0.72 J**	**30**	**1.0 J**	**1.0 J**	1.8 U
Chloroethane (Ethyl Chloride)	µg/m3	n/v	1.3 U	2.6 U	1.3 U	1.3 U	2.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	**0.22 J**	0.98 U	**0.46 J**	**0.15 J**	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	µg/m3	n/v	**1.2**	**1.2 J**	**1.4**	**1.3**	**1.2 J**	1.0 U	**1.2**	**1.0** (1.0)	1.0 U	**1.2**	**0.38 J**	1.0 U	**1.2**	**1.2**	1.0 U
Chlorotoluene, 2-	µg/m3	n/v	1.0 U	2.1 U	1.0 U	1.0 U	1.7 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/m3	n/v	0.69 U	1.4 U	0.69 U	0.69 U	**1.2**	**1.4**	**0.18 J**	**0.20 J**	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	µg/m3	n/v	1.7 U	3.4 U	1.7 U	1.7 U	2.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorobenzene, 1,2-	µg/m3	n/v	1.2 U	2.4 U	1.2 U	1.2 U	2.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	µg/m3	n/v	1.2 U	2.4 U	1.2 U	1.2 U	2.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	µg/m3	n/v	1.2 U	2.4 U	1.2 U	1.2 U	2.0 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**0.39 J**	1.2 U
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	**2.8**	**2.7 J**	**2.8**	**2.8**	**1.4 J**	**1.9 J**	**2.7**	**1.7 J**	**2.0 J**	**2.3 J**	**0.46 J**	**1.9 J**	**2.7**	**2.4 J**	**1.8 J**
Dichloroethane, 1,1-	µg/m3	n/v	0.81 U	1.6 U	0.81 U	0.81 U	1.4 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	µg/m3	n/v	0.81 U	1.6 U	**0.35 J**	**0.56 J**	1.4 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	µg/m3	n/v	0.79 U	1.6 U	0.79 U	0.79 U	1.3 U	0.14 U	0.79 U	0.79 U	0.14 U	0.79 U	0.79 U	0.14 U	0.79 U	0.79 U	0.14 U
Dichloroethene, cis-1,2-	µg/m3	n/v	0.79 U	1.6 U	0.79 U	0.79 U	1.3 U	0.20 U	**0.32 J**	0.79 U	0.20 U	**0.16 J**	0.79 U	0.20 U	0.79 U	0.79 U	0.20 U
Dichloroethene, trans-1,2-	µg/m3	n/v	0.79 U	1.6 U	0.79 U	0.79 U	1.3 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene-1,2- (sum)	µg/m3	n/v	1.6 U	3.2 U	1.6 U	1.6 U	2.7 U	1.6 U	**0.33 J**	1.6 U	1.6 U	**0.16 J**	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	µg/m3	n/v	0.92 U	1.8 U	0.92 U	0.92 U	1.6 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3-	µg/m3	n/v	0.91 U	1.8 U	0.91 U	0.91 U	1.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3-	µg/m3	n/v	0.91 U	1.8 U	0.91 U	0.91 U	1.5 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	1.4 U	2.8 U	1.4 U	1.4 U	2.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Dioxane, 1,4-	µg/m3	n/v	18 U	36 U	18 U	18 U	30 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
Ethylbenzene	µg/m3	n/v	0.87 U	**0.56 J**	**0.30 J**	**1.9**	**3.0**	**0.60 J**	0.87 U	**0.26 J**	0.87 U	**0.24 J**	0.87 U	**0.54 J**	0.87 U	**0.73 J**	0.87 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	n/v	1.5 U	3.1 U	1.5 U	1.5 U	2.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Ethyltoluene, 4-	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	1.7 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.64 J**	0.98 U
Heptane (C7)	µg/m3	n/v	0.82 U	1.6 U	0.82 U	**0.34 J**	**0.84 J**	0.82 U	0.82 U	**0.49 J**	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	**0.42 J**	0.82 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	n/v	2.1 U	4.3 U	2.1 U	2.1 U	3.6 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane (n-Hexane)	µg/m3	n/v	**0.71**	**0.65 J**	**0.47 J**	**0.38 J**	**0.79 J**	**0.69 J**	0.70 U	**0.69 J**	**0.59 J**	**0.34 J**	**0.19 J**	**0.57 J**	0.70 U	**0.55 J**	0.70 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	2.0 U	4.1 UJ	2.0 U	2.0 U	3.5 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	**25**	**39**	**9.9 J**	**69**	**280 D**	**27**	**21**	**200 D**	**9.9 J**	**19**	**810 D**	**21**	**2.5 J**	**3.4 J**	12 U
Isopropylbenzene	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	1.7 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Isopropyltoluene, p- (Cymene)	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	**0.91 J**	1.1 U	1.1 U	**0.55 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	**1.4**	1.1 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	n/v	**1.9**	**1.0 J**	1.5 U	**3.4**	**2.3 J**	**27**	1.5 U	**1.9**	1.5 U	**2.3**	**0.82 J**	1.5 U	**1.2 J**	**3.4**	1.5 U
Methyl Isobutyl Ketone (MIBK)	µg/m3	n/v	2.0 U	4.1 U	2.0 U	2.0 U	3.5 U	**4.0**	2.0 U	**0.30 J**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.71 J**	2.0 U
Methyl Methacrylate	µg/m3	n/v	2.0 U	4.1 U	2.0 U	2.0 U	3.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether (MTBE)	µg/m3	n/v	0.72 U	1.4 U	0.72 U	0.72 U	1.2 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride (Dichloromethane)	µg/m3	60[A]	**2.6**	**1.3 J**	**1.2 J**	**1.6 J**	**46**	1.7 U	**1.0 J**	**6.4**	**1.9**	**0.89 J**	**2.6**	1.7 U	**1.1 J**	**0.84 J**	**0.72 J**
Naphthalene	µg/m3	n/v	2.6 U	5.2 UJ	2.6 U	2.6 U	4.4 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	**1.8 J**	2.6 U
Propylbenzene, n-	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	1.7 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.50 J**	0.98 U
Styrene	µg/m3	n/v	0.85 U	1.7 U	0.85 U	0.85 U	**0.26 J**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	**0.22 J**	0.85 U
Tert-Butyl Alcohol	µg/m3	n/v	15 U	30 U	15 U	15 U	26 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Tetrachloroethane, 1,1,2,2-	µg/m3	n/v	1.4 U	2.7 U	1.4 U	1.4 U	2.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene (PCE)	µg/m3	30[A]	1.4 U	2.7 U	1.4 U	1.4 U	**0.29 J**	1.4 U	1.4 U	**0.19 J**	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	µg/m3	n/v	15 U	29 U	15 U	15 U	25 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	µg/m3	n/v	**0.81**	**4.7**	**2.5**	**2.9**	**5.8**	**30**	0.75 U	**1.6**	**1.0**	**1.9**	**0.66 J**	**1.3**	0.75 U	**2.1**	0.75 U
Trichlorobenzene, 1,2,3-	µg/m3	n/v	1.5 U	3.0 U	1.5 U	1.5 U	6.3 U	3.7 U	1.5 U	3.7 U	3.7 U	1.5 U	3.7 U	3.7 U	1.5 U	3.7 U	3.7 U
Trichlorobenzene, 1,2,4-	µg/m3	n/v	3.7 U	7.4 U	3.7 U	3.7 U	6.3 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Trichloroethane, 1,1,1-	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	1.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	µg/m3	n/v	1.1 U	2.2 U	1.1 U	1.1 U	1.8 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene (TCE)	µg/m3	2[A]	0.21 U	0.43 U	0.21 U	0.21 U	0.36 U	0.19 U	**2.1[A]**	0.21 U	0.19 U	**0.21**	0.21 U	0.19 U	0.21 U	0.21 U	0.19 U
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	**1.3**	**1.2 J**	**1.4**	**1.7**	**1.3 J**	**1.1 J**	**1.7**	**1.2**	**1.1 J**	**1.1**	**0.26 J**	**1.1**	**1.2**	**1.2**	**0.88 J**
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	1.5 U	3.1 U	1.5 U	1.5 U	**0.65 J**	**0.41 J**	1.5 U	**0.42 J**	**0.38 J**	1.5 U	1.5 U	1.5 U	1.5 U	**0.54 J**	**0.40 J**
Trimethylbenzene, 1,2,4-	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	1.7 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**1.1**	0.98 U
Trimethylbenzene, 1,3,5-	µg/m3	n/v	0.98 U	2.0 U	0.98 U	0.98 U	1.7 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U	**0.35 J**	0.98 U
Trimethylpentane, 2,2,4-	µg/m3	n/v	0.93 U	1.9 U	0.93 U	0.93 U	1.6 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Vinyl Bromide (Bromoethene)	µg/m3	n/v	0.87 U	1.7 U	0.87 U	0.87 U	1.5 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m3	n/v	0.10 U	0.20 U	0.10 U	0.10 U	**0.13 J**	0.20 U	**0.25**	**0.099 J**	0.20 U	0.10 U	0.10 U	0.20 U	0.10 U	0.10 U	0.20 U
Xylene, m & p-	µg/m3	n/v	2.2 U	**2.3 J**	**0.96 J**	**6.9**	**12**	**2.1 J**	2.2 U	**0.89 J**	2.2 U	**0.88 J**	2.2 U	**1.7 J**	2.2 U	**1.3 J**	2.2 U
Xylene, o-	µg/m3	n/v	0.87 U	**0.70 J**	**0.32 J**	**1.6**	**3.5**	**0.91**	0.87 U	**0.30 J**	0.87 U	**0.29 J**	0.87 U	**0.54 J**	0.87 U	**0.47 J**	0.87 U
Xylenes, Total	µg/m3	n/v	3.0 U	**3.0 J**	**1.3 J**	**8.5**	**16**	**3.0 J**	3.0 U	**1.2 J**	3.0 U	**1.2 J**	3.0 U	**2.3 J**	3.0 U	**1.7 J**	3.0 U
VOC - Tentatively Identified Compounds																	
Total VOC TICs	ppbv	n/v	-	-	-	-	-	**17.2 JN**	-	-	**2.4 JN**	-	-	**6 JN**	-	-	-

Notes:

NYSDOH	New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure
A	Air Guideline Values, Evaluating Soil Vapor Intrusion in the State of New York, October 2006
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
*	Indicates analysis is not within the quality control limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	The reported result is an estimated value.
N	This flag indicates the presumptive evidence of a compound.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

Table 1c
Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (Newport)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		IA-1	SS-1		IA-2	SS-2		IA-3	SS-3		IA-4	SS-4		IA-4	SS-4		IA-4	SS-4		IA-5	SS-5	
Sample Date		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		18-Jan-17	18-Jan-17		31-Mar-19	31-Mar-19		14-Apr-16	14-Apr-16	
Sample ID		IA-1	SS-1		IA-2	SS-2		IA-3	SS-3		IA-4	SS-4		IA-4	SS-4		IA-4	SS-4		IA-5	SS-5	
Sample Description		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor	
Sampling Company		STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]
Laboratory		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR	
Laboratory Work Order		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-37082-1	200-37082-1		200-48131-1	200-48131-1		200-33091-1	200-33091-1	
Laboratory Sample ID		200-33091-13	200-33091-1		200-33091-14	200-33091-2		200-33091-15	200-33091-3		200-33091-16	200-33091-4		200-37082-7	200-37082-1		200-48131-1	200-48131-2		200-33091-17	200-33091-5	
Sample Type	Units																					
Volatile Organic Compounds																						
Carbon Tetrachloride (Tetrachloromethane)[2]	µg/m3	**0.44**	**0.46**	No further action	0.50 U	**0.26**	No further action	**0.53**	**0.48**	No further action	**0.56**	**0.34**	No further action	**0.39 J**	**0.36**	No further action	**0.28**	**0.31**	No further action	**0.44**	**0.30**	No further action
Dichloroethene, 1,1-[2]	µg/m3	0.79 U	0.79 U	No further action	1.6 U	0.79 U	R&P action	0.79 U	**0.32 J**	No further action	0.79 U	0.79 U	No further action	1.3 U	0.79 U	R&P action	0.14 U	0.14 U	No further action	0.79 U	0.79 U	No further action
Dichloroethene, cis-1,2-[2]	µg/m3	0.79 U	0.79 U	No further action	1.6 U	0.79 U	R&P action	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action	1.3 U	0.79 U	R&P action	0.20 U	0.20 U	No further action	**0.32 J**	0.79 U	No further action
Methylene Chloride (Dichloromethane)[3]	µg/m3	**2.6**	**2.4**	No further action	**1.3 J**	**0.62 J**	No further action	**1.2 J**	1.7 U	No further action	**1.6 J**	**14**	No further action	**46**	**570 D**	Mitigate	1.7 U	1.7 U	No further action	**1.0 J**	**0.70 J**	No further action
Tetrachloroethene (PCE)[3]	µg/m3	1.4 U	**1.8**	No further action	2.7 U	**0.25 J**	No further action	1.4 U	**1.9**	No further action	1.4 U	**2.0**	No further action	**0.29 J**	**25**	No further action	1.4 U	**0.54 J**	No further action	1.4 U	**2.5**	No further action
Trichloroethane, 1,1,1-[3]	µg/m3	1.1 U	**1.5**	No further action	2.2 U	**0.75 J**	No further action	1.1 U	**1.6**	No further action	1.1 U	**1.1**	No further action	1.8 U	**14**	No further action	1.1 U	1.1 U	No further action	1.1 U	**1.3**	No further action
Trichloroethene (TCE)[2]	µg/m3	0.21 U	0.21 U	No further action	0.43 U	0.21 U	No further action	0.21 U	**0.60**	No further action	0.21 U	**12**	Monitor	0.36 U	**140**	Mitigate	0.19 U	**1.3**	No further action	**2.1**	0.21 U	R&P action
Vinyl Chloride[4]	µg/m3	0.10 U	0.10 U	No further action	0.20 U	0.10 U	No further action	0.10 U	0.10 U	No further action	0.10 U	**0.13**	No further action	**0.13 J**	0.10 U	No further action	0.20 U	0.20 U	No further action	**0.25**	0.10 U	R&P action

Notes:

[1]	Soil Vapor/Indoor Air Matrices A, B and C, Evaluating Soil Vapor Intrusion in the State of New York, May 2017, New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation
[2]	The following parameters are categorized as Matrix A: Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride
[3]	The following parameters are categorized as Matrix B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride
[4]	The following parameters are categorized as Matrix C: Vinyl Chloride
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit. The laboratory reporting limit is utilized for comparison to NYSDOH matrices for non-detect results.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	The reported result is an estimated value.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

No further action	No additional actions are recommended to address human exposures.
R&P action	Identify source(s) and resample or mitigate.
Mitigate	Mitigation is recommended to minimize current or potential exposures. associated with soil vapor intrusion.
Monitor	Monitoring is recommended to determine if concentrations have changed and/or to evaluate temporary influences.

Table 1c
Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (Newport)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		IA-5	SS-5		IA-5	SS-5		IA-6	SS-6		IA-6	SS-6		IA-13	SS-13	
Sample Date		18-Jan-17	18-Jan-17		31-Mar-19	31-Mar-19		14-Apr-16	14-Apr-16		18-Jan-17	18-Jan-17		31-Mar-19	31-Mar-19	
Sample ID		IA-5	SS-5		IA-5	SS-5		IA-6	SS-6		IA-6	SS-6		IA-13	SS-13	
Sample Description		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor	
Sampling Company		STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]
Laboratory		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR	
Laboratory Work Order		200-37082-1	200-37082-1		200-48131-1	200-48131-1		200-33091-1	200-33091-1		200-37082-1	200-37082-1		200-48131-1	200-48131-1	
Laboratory Sample ID		200-37082-2	200-37082-3		200-48131-3	200-48131-4		200-33091-18	200-33091-6		200-37082-4	200-37082-5		200-48131-6	200-48131-5	
Sample Type	Units															
Volatile Organic Compounds																
Carbon Tetrachloride (Tetrachloromethane)[2]	µg/m3	**0.37**	**0.30**	No further action	**0.29**	**0.21 J**	No further action	**0.25**	**0.39**	No further action	0.25 U	**0.39**	No further action	**0.31**	**0.28**	No further action
Dichloroethene, 1,1-[2]	µg/m3	0.79 U	0.79 U	No further action	0.14 U	0.14 U	No further action	0.79 U	0.79 U	No further action	0.79 U	0.79 U	No further action	0.14 U	0.14 U	No further action
Dichloroethene, cis-1,2-[2]	µg/m3	0.79 U	0.79 U	No further action	0.20 U	0.20 U	No further action	**0.16 J**	0.79 U	No further action	0.79 U	0.79 U	No further action	0.20 U	0.20 U	No further action
Methylene Chloride (Dichloromethane)[3]	µg/m3	**6.4**	**0.83 J**	No further action	**1.9**	**0.73 J**	No further action	**0.89 J**	**2.3**	No further action	**2.6**	**18**	No further action	1.7 U	1.7 U	No further action
Tetrachloroethene (PCE)[3]	µg/m3	**0.19 J**	**2.5**	No further action	1.4 U	**1.1 J**	No further action	1.4 U	**0.56 J**	No further action	1.4 U	**4.0**	No further action	1.4 U	**18**	No further action
Trichloroethane, 1,1,1-[3]	µg/m3	1.1 U	**2.0**	No further action	1.1 U	**1.3**	No further action	1.1 U	**0.61 J**	No further action	1.1 U	**8.1**	No further action	1.1 U	**2.8**	No further action
Trichloroethene (TCE)[2]	µg/m3	0.21 U	0.21 U	No further action	0.19 U	0.19 U	No further action	**0.21**	**0.51**	No further action	0.21 U	**4.1**	No further action	0.19 U	**20**	No further action
Vinyl Chloride[4]	µg/m3	**0.099 J**	0.10 U	No further action	0.20 U	0.20 U	No further action	0.10 U	0.10 U	No further action	0.10 U	0.10 U	No further action	0.20 U	0.20 U	No further action

Notes:

[1]	Soil Vapor/Indoor Air Matrices A, B and C, Evaluating Soil Vapor Intrusion in the State of New York, May 2017, New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation
[2]	The following parameters are categorized as Matrix A: Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride
[3]	The following parameters are categorized as Matrix B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride
[4]	The following parameters are categorized as Matrix C: Vinyl Chloride
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit. The laboratory reporting limit is utilized for comparison to NYSDOH matrices for non-detect results.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
J	The reported result is an estimated value.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

No further action	No additional actions are recommended to address human exposures.
R&P action	Identify source(s) and resample or mitigate.
Mitigate	Mitigation is recommended to minimize current or potential exposures. associated with soil vapor intrusion.
Monitor	Monitoring is recommended to determine if concentrations have changed and/or to evaluate temporary influences.

Table 2a
Summary of Sub-Slab Vapor Analytical Results (JML Optical)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		SS-7			SS-8	SS-9	SS-10	SS-11	SS-12	SS-14	
Sample Date		14-Apr-16	14-Apr-16	31-Mar-19	14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	31-Mar-19	31-Mar-19
Sample ID		SS-7	SS-DUP-1	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12	SS-14	SS-DUP
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory		TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR
Laboratory Work Order		200-33091-1	200-33091-1	200-48131-1	200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-48131-1	200-48131-1
Laboratory Sample ID		200-33091-7	200-33091-25	200-48131-10	200-33091-8	200-33091-9	200-33091-10	200-33091-11	200-33091-12	200-48131-8	200-48131-12
Sample Type	Units		Field Duplicate								Field Duplicate
Volatile Organic Compounds											
Acetone	µg/m3	**91**	**85**	**18**	**12,000 J**	**350 J**	**4,100 J**	**4,500 J**	**4,400 J**	**7.0 J**	48 U
Allyl chloride (3-Chloropropene)	µg/m3	1.6 U	1.6 U	1.6 U	16 U	1.6 U	3.1 U	9.5 U	4.7 U	1.6 U	6.3 U
Benzene	µg/m3	**0.18 J**	**0.15 J**	**0.38 J**	6.4 U	**1.4**	**0.44 J**	**1.1 J**	**0.96 J**	**0.41 J**	2.6 U
Benzyl Chloride	µg/m3	1.0 U	1.0 U	1.0 U	10 U	1.0 U	2.1 U	6.3 U	3.1 U	1.0 U	4.1 U
Bromodichloromethane	µg/m3	1.3 U	1.3 U	1.3 U	13 U	1.3 U	2.7 U	8.1 U	4.0 U	1.3 U	5.4 U
Bromoform (Tribromomethane)	µg/m3	2.1 U	2.1 U *	2.1 U	21 U	**0.85 J**	4.1 U	**8.7 J**	**3.8 J**	2.1 U	8.3 U
Bromomethane (Methyl bromide)	µg/m3	**0.36 J**	0.78 U	0.78 U	7.8 U	0.78 U	1.6 U	4.7 U	2.3 U	0.78 U	3.1 U
Butadiene, 1,3-	µg/m3	0.44 U	0.44 U	0.44 U	4.4 U	0.44 U	0.88 U	2.7 U	1.3 U	0.44 U	1.8 U
Butane	µg/m3	**0.61 J**	**0.62 J**	1.2 U	**22**	**8.0**	**6.3**	**18**	**33**	1.2 U	4.8 U
Butylbenzene, n-	µg/m3	1.1 U	**0.46 J**	1.1 U	11 U	1.1 U	2.2 U	6.7 U	3.3 U	1.1 U	4.4 U
Butylbenzene, sec- (2-Phenylbutane)	µg/m3	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.2 U	6.7 U	3.3 U	1.1 U	4.4 U
Butylbenzene, tert-	µg/m3	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.2 U	6.7 U	3.3 U	1.1 U	4.4 U
Carbon Disulfide	µg/m3	**0.40 J**	**0.64 J**	**4.1**	**6.9 J**	**2.4**	**1.7 J**	**4.2 J**	**3.1 J**	1.6 U	**12 J**
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	**0.40**	**0.40**	**0.35**	2.5 U	**0.38**	**0.41 J**	1.5 U	**0.66 J**	0.22 U	0.88 U
Chlorobenzene (Monochlorobenzene)	µg/m3	0.92 U	0.92 U	0.92 U	9.2 U	0.92 U	1.8 U	5.6 U	2.8 U	0.92 U	3.7 U
Chlorodifluoromethane (Freon 22)	µg/m3	**3.7**	**3.5**	**2.9**	**46**	**21**	**40**	**87**	**64**	**2.9**	7.1 U
Chloroethane (Ethyl Chloride)	µg/m3	1.3 U	1.3 U	1.3 U	13 U	1.3 U	2.6 U	8.0 U	3.9 U	1.3 U	5.3 U
Chloroform (Trichloromethane)	µg/m3	0.98 U	0.98 U	0.98 U	9.8 U	**0.55 J**	2.0 U	5.9 U	**2.6 J**	0.98 U	3.9 U
Chloromethane	µg/m3	**0.30 J**	**0.29 J**	1.0 U	10 U	**0.58 J**	2.1 U	6.3 U	3.1 U	1.0 U	4.1 U
Chlorotoluene, 2-	µg/m3	1.0 U	1.0 U	1.0 U	10 U	1.0 U	2.1 U	6.3 U	3.1 U	1.0 U	4.1 U
Cyclohexane	µg/m3	0.69 U	0.69 U	**2.3**	6.9 U	**1.1**	1.4 U	4.2 U	2.1 U	0.69 U	2.8 U
Dibromochloromethane	µg/m3	1.7 U	1.7 U	1.7 U	17 U	1.7 U	3.4 U	10 U	5.1 U	1.7 U	6.8 U
Dichlorobenzene, 1,2-	µg/m3	1.2 U	1.2 U	1.2 U	12 U	1.2 U	2.4 U	7.3 U	3.6 U	1.2 U	4.8 U
Dichlorobenzene, 1,3-	µg/m3	1.2 U	1.2 U	1.2 U	12 U	1.2 U	2.4 U	7.3 U	3.6 U	1.2 U	4.8 U
Dichlorobenzene, 1,4-	µg/m3	1.2 U	1.2 U	1.2 U	12 U	1.2 U	2.4 U	7.3 U	3.6 U	1.2 U	4.8 U
Dichlorodifluoromethane (Freon 12)	µg/m3	**3.6**	**3.6**	**2.2 J**	**4.6 J**	**2.6**	**4.1 J**	**3.7 J**	**3.6 J**	**2.4 J**	9.9 U
Dichloroethane, 1,1-	µg/m3	0.81 U	0.81 U	0.81 U	8.1 U	0.81 U	1.6 U	4.9 U	2.4 U	0.81 U	3.2 U
Dichloroethane, 1,2-	µg/m3	0.81 U	0.81 U	0.81 U	8.1 U	0.81 U	1.6 U	4.9 U	2.4 U	0.81 U	3.2 U
Dichloroethene, 1,1-	µg/m3	0.79 U	0.79 U	0.14 U	7.9 U	0.79 U	1.6 U	4.8 U	2.4 U	0.14 U	0.56 U
Dichloroethene, cis-1,2-	µg/m3	0.79 U	0.79 U	**9.9**	7.9 U	0.79 U	1.6 U	4.8 U	2.4 U	0.20 U	**3.1**
Dichloroethene, trans-1,2-	µg/m3	0.79 U	0.79 U	0.79 U	7.9 U	0.79 U	1.6 U	4.8 U	2.4 U	0.79 U	3.2 U
Dichloroethene-1,2- (sum)	µg/m3	1.6 U	1.6 U	**9.9**	16 U	1.6 U	3.2 U	9.6 U	4.7 U	1.6 U	**3.1 J**
Dichloropropane, 1,2-	µg/m3	0.92 U	0.92 U	0.92 U	9.2 U	0.92 U	1.8 U	5.6 U	2.8 U	0.92 U	3.7 U
Dichloropropene, cis-1,3-	µg/m3	0.91 U	0.91 U	0.91 U	9.1 U	0.91 U	1.8 U	5.5 U	2.7 U	0.91 U	3.6 U
Dichloropropene, trans-1,3-	µg/m3	0.91 U	0.91 U	0.91 U	9.1 U	0.91 U	1.8 U	5.5 U	2.7 U	0.91 U	3.6 U
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	**0.41 J**	**0.43 J**	1.4 U	14 U	**0.66 J**	**1.5 J**	8.5 U	4.2 U	1.4 U	5.6 U
Dioxane, 1,4-	µg/m3	18 U	18 U	18 U	180 U	18 U	36 U	110 U	**20 J**	18 U	72 U
Ethylbenzene	µg/m3	**0.80 J**	**0.77 J**	**1.1**	8.7 U	**1.5**	**0.96 J**	**2.6 J**	**1.6 J**	**2.7**	**3.4 J**
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.5 U	1.5 U	1.5 U	15 U	1.5 U	3.1 U	9.3 U	4.6 U	1.5 U	6.1 U
Ethyltoluene, 4-	µg/m3	**0.31 J**	**0.30 J**	**0.43 J**	9.8 U	**1.3**	2.0 U	6.0 U	2.9 U	0.98 U	3.9 U
Heptane (C7)	µg/m3	**0.35 J**	**0.34 J**	**0.83**	8.2 U	**1.7**	**1.4 J**	**3.3 J**	**2.8**	0.82 U	3.3 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	2.1 U	2.1 U	2.1 U	21 U	2.1 U	4.3 U	13 U	6.4 U	2.1 U	8.5 U
Hexane (n-Hexane)	µg/m3	**0.32 J**	0.70 U	**5.9**	7.0 U	**2.2**	1.4 U	4.3 U	2.1 U	**0.77**	2.8 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	**0.65 J**	**0.36 J-**	2.0 U	20 U	**0.80 J**	4.1 U	12 U	**2.8 J**	2.0 U	8.2 U
Isopropyl Alcohol (2-Propanol)	µg/m3	**4.3 J**	**4.2 J**	**24**	**6,300 J**	**16**	**490 J**	**100**	**420 J**	**9.6 J**	49 U
Isopropylbenzene	µg/m3	**0.28 J**	**0.27 J**	0.98 U	9.8 U	**0.58 J**	2.0 U	6.0 U	2.9 U	0.98 U	3.9 U
Isopropyltoluene, p- (Cymene)	µg/m3	**0.24 J**	**0.23 J**	1.1 U	11 U	**0.59 J**	**2.0 J**	**3.1 J**	**16**	1.1 U	4.4 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	**5.6**	**4.2**	**2.5**	**24**	**5.3**	**13**	**32**	**19**	**1.5**	5.9 U
Methyl Isobutyl Ketone (MIBK)	µg/m3	2.0 U	2.0 U	2.0 U	**6.1 J**	**0.92 J**	**3.0 J**	**2.7 J**	**2.4 J**	2.0 U	8.2 U
Methyl Methacrylate	µg/m3	**0.55 J**	**0.50 J**	2.0 U	20 U	2.0 U	4.1 U	12 U	6.1 U	2.0 U	8.2 U
Methyl tert-butyl ether (MTBE)	µg/m3	0.72 U	0.72 U	0.72 U	7.2 U	0.72 U	1.4 U	4.4 U	2.2 U	0.72 U	2.9 U
Methylene Chloride (Dichloromethane)	µg/m3	**12**	**12**	1.7 U	**380**	**120**	**220**	**720**	**320**	**1.3 J**	6.9 U
Naphthalene	µg/m3	2.6 U	2.6 U	2.6 U	26 U	2.6 U	5.2 U	16 U	7.8 U	2.6 U	10 U
Propylbenzene, n-	µg/m3	**0.22 J**	**0.24 J**	0.98 U	9.8 U	**1.2**	2.0 U	6.0 U	2.9 U	0.98 U	3.9 U
Styrene	µg/m3	**0.91**	**0.91**	**0.58 J**	**5.1 J**	**0.49 J**	**0.68 J**	**1.5 J**	**2.9**	**0.42 J**	3.4 U
Tert-Butyl Alcohol	µg/m3	15 U	15 U	15 U	150 U	15 U	30 U	92 U	45 U	15 U	61 U
Tetrachloroethane, 1,1,2,2-	µg/m3	1.4 U	1.4 U	1.4 U	14 U	1.4 U	2.7 U	8.3 U	4.1 U	1.4 U	5.5 U
Tetrachloroethene (PCE)	µg/m3	**1.9**	**1.8**	**3.7**	**71**	**16**	**64**	**89**	**100**	**12**	**13**
Tetrahydrofuran	µg/m3	15 U	15 U	15 U	150 U	15 U	29 U	89 U	44 U	15 U	59 U
Toluene	µg/m3	**1.7**	**2.2**	**9.9**	**23**	**11**	**14**	**31**	**34**	**2.0**	**2.1 J**
Trichlorobenzene, 1,2,3-	µg/m3	1.5 U	1.5 U	3.7 U	15 U	1.5 U	3.0 U	9.0 U	4.4 U	3.7 U	15 U
Trichlorobenzene, 1,2,4-	µg/m3	3.7 U	3.7 U	3.7 U	37 U	3.7 U	7.4 U	22 U	11 U	3.7 U	15 U
Trichloroethane, 1,1,1-	µg/m3	**0.91 J**	**0.91 J**	**0.79 J**	**4.4 J**	**5.7**	**9.3**	**5.9 J**	3.3 U	**0.81 J**	4.4 U
Trichloroethane, 1,1,2-	µg/m3	1.1 U	1.1 U	1.1 U	11 U	1.1 U	2.2 U	6.6 U	3.3 U	1.1 U	4.4 U
Trichloroethene (TCE)	µg/m3	0.21 U	0.21 U	**80**	**59**	**3.1**	**71**	**79**	**160**	**0.45 J**	**22 J**
Trichlorofluoromethane (Freon 11)	µg/m3	**2.9**	**2.9**	**1.4**	**5.0 J**	**3.9**	**6.3**	**5.5 J**	**4.2**	**1.5**	4.5 U
Trichlorotrifluoroethane (Freon 113)	µg/m3	**6.5**	**6.4**	**5.7**	15 U	**4.5**	**1.7 J**	9.3 U	**6.6**	**8.0**	**8.4**
Trimethylbenzene, 1,2,4-	µg/m3	**1.2**	**1.2**	**1.4**	9.8 U	**12**	**0.78 J**	**4.1 J**	**3.4**	**1.0**	3.9 U
Trimethylbenzene, 1,3,5-	µg/m3	**0.34 J**	**0.33 J**	**0.39 J**	9.8 U	**4.6**	2.0 U	**2.0 J**	**2.2 J**	**0.29 J**	3.9 U
Trimethylpentane, 2,2,4-	µg/m3	0.93 U	0.93 U	0.93 U	9.3 U	0.93 U	1.9 U	5.7 U	2.8 U	0.93 U	3.7 U
Vinyl Bromide (Bromoethene)	µg/m3	0.87 U	0.87 U	0.87 U	8.7 U	0.87 U	1.7 U	5.3 U	2.6 U	0.87 U	3.5 U
Vinyl Chloride	µg/m3	0.10 U	0.10 U	**2.6 J+**	1.0 U	0.10 U	0.20 U	0.62 U	0.31 U	0.20 U	**1.1 J**
Xylene, m & p-	µg/m3	**3.1**	**2.9**	**4.2**	**4.1 J**	**7.4**	**4.8**	**14**	**9.8**	**11**	**12**
Xylene, o-	µg/m3	**0.90**	**0.85**	**1.5**	**1.7 J**	**2.7**	**3.8**	**11**	**29**	**3.8**	**4.3**
Xylenes, Total	µg/m3	**4.0**	**3.8**	**5.7**	**5.8 J**	**10**	**8.6**	**26**	**39**	**15**	**16**
VOC - Tentatively Identified Compounds											
Total VOC TICs	ppbv	-	-	**27.4 JN**	-	-	-	-	-	**207.6 JN**	**215.7 JN**

Notes:

15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
-	Parameter not analyzed / not available.
*	Indicates analysis is not within the quality control limits.
J	The reported result is an estimated value.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
TALBUR	Test America, South Burlington, VT

Table 2b
Summary of Indoor and Outdoor Air Analytical Results (JML Optical)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location			IA-7			IA-8	IA-9	IA-10	IA-11	IA-12	IA-14		OA-1 (Apr. 2017)	OA-1 (Jan. 2017)	OA-2
Sample Date			14-Apr-16	14-Apr-16	31-Mar-19	14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	14-Apr-16	31-Mar-19	31-Mar-19	14-Apr-16	18-Jan-17	31-Mar-19
Sample ID			IA-7	IA-DUP-1	IA-7	IA-8	IA-9	IA-10	IA-11	IA-12	IA-14	IA-DUP	OA-1	OA-1	OA-2
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR	TALBUR
Laboratory Work Order			200-33091-1	200-33091-1	200-48131-1	200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-33091-1	200-48131-1	200-48131-1	200-33091-1	200-37082-1	200-48131-1
Laboratory Sample ID			200-33091-19	200-33091-26	200-48131-9	200-33091-20	200-33091-21	200-33091-22	200-33091-23	200-33091-24	200-48131-7	200-48131-11	200-33091-27	200-37082-8	200-48131-13
Sample Type	Units	NYSDOH		Field Duplicate								Field Duplicate			
Volatile Organic Compounds															
Acetone	µg/m3	n/v	**1,900 J**	**2,600 J**	**9.3 J**	**13,000 J**	**9,900 J**	**15,000 J**	**15,000 J**	**16,000 J**	**14**	**13**	**14**	**11 J**	12 U
Allyl chloride (3-Chloropropene)	µg/m3	n/v	3.1 U	3.1 U	1.6 U	19 U	9.5 U	18 U	16 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	µg/m3	n/v	**0.43 J**	**0.56 J**	**0.31 J**	7.7 U	3.9 U	7.2 U	6.4 U	6.4 U	**0.34 J**	**0.32 J**	**0.31 J**	**0.75**	**0.32 J**
Benzyl Chloride	µg/m3	n/v	2.1 U	2.1 U	1.0 U	13 U	6.3 U	12 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/m3	n/v	2.7 U	2.7 U	1.3 U	16 U	8.1 U	15 U	13 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform (Tribromomethane)	µg/m3	n/v	4.1 U *	4.1 U *	2.1 U	25 U *	13 U *	23 U *	21 U *	21 U *	2.1 U	2.1 U	2.1 U *	2.1 U	2.1 U
Bromomethane (Methyl bromide)	µg/m3	n/v	1.6 U	1.6 U	0.78 U	9.4 U	4.7 U	8.7 U	7.8 U	7.8 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butadiene, 1,3-	µg/m3	n/v	0.88 U	0.88 U	0.44 U	5.4 U	2.7 U	5.0 U	4.4 U	4.4 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Butane	µg/m3	n/v	**7.1**	**9.4**	1.2 U	**30**	**20**	**30**	**37**	**52**	1.2 U	1.2 U	**0.62 J**	**3.1**	1.2 U
Butylbenzene, n-	µg/m3	n/v	2.2 U	2.2 U	1.1 U	13 U	6.7 U	12 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, sec- (2-Phenylbutane)	µg/m3	n/v	2.2 U	2.2 U	1.1 U	13 U	6.7 U	12 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Butylbenzene, tert-	µg/m3	n/v	2.2 U	2.2 U	1.1 U	13 U	6.7 U	12 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Carbon Disulfide	µg/m3	n/v	**1.4 J**	**0.63 J**	1.6 U	19 U	9.4 U	17 U	16 U	16 U	1.6 U	1.6 U	1.6 U	**1.9**	**0.95 J**
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	n/v	0.50 U	**0.47 J**	**0.29**	3.0 U	1.5 U	2.8 U	2.5 U	2.5 U	**0.29**	**0.29**	**0.39**	**0.46**	**0.30**
Chlorobenzene (Monochlorobenzene)	µg/m3	n/v	1.8 U	1.8 U	0.92 U	11 U	5.6 U	10 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane (Freon 22)	µg/m3	n/v	3.5 U	3.5 U	1.8 U	**11 J**	**19**	**19 J**	**16 J**	**15 J**	1.8 U	1.8 U	**1.0 J**	1.8 U	1.8 U
Chloroethane (Ethyl Chloride)	µg/m3	n/v	2.6 U	2.6 U	1.3 U	16 U	8.0 U	15 U	13 U	13 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform (Trichloromethane)	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	5.9 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Chloromethane	µg/m3	n/v	**1.1 J**	**1.4 J**	1.0 U	**2.5 J**	**1.9 J**	**2.4 J**	**2.4 J**	**2.5 J**	1.0 U	1.0 U	**1.2**	**1.2**	1.0 U
Chlorotoluene, 2-	µg/m3	n/v	2.1 U	2.1 U	1.0 U	13 U	6.3 U	12 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/m3	n/v	1.4 U	1.4 U	0.69 U	8.3 U	4.2 U	7.7 U	**1.6 J**	6.9 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Dibromochloromethane	µg/m3	n/v	3.4 U	3.4 U	1.7 U	21 U	10 U	19 U	17 U	17 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorobenzene, 1,2-	µg/m3	n/v	2.4 U	2.4 U	1.2 U	15 U	7.3 U	13 U	12 U	12 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,3-	µg/m3	n/v	2.4 U	2.4 U	1.2 U	15 U	7.3 U	13 U	12 U	12 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Dichlorobenzene, 1,4-	µg/m3	n/v	2.4 U	2.4 U	1.2 U	15 U	7.3 U	13 U	12 U	12 U	1.2 U	1.2 U	1.2 U	**0.39 J**	1.2 U
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	**3.9 J**	**5.0**	**2.9**	30 U	**3.6 J**	28 U	**4.1 J**	**4.1 J**	**2.6**	**2.6**	**2.7**	**2.4 J**	**1.8 J**
Dichloroethane, 1,1-	µg/m3	n/v	1.6 U	1.6 U	0.81 U	9.8 U	4.9 U	9.1 U	8.1 U	8.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethane, 1,2-	µg/m3	n/v	1.6 U	1.6 U	0.81 U	9.8 U	4.9 U	9.1 U	8.1 U	8.1 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
Dichloroethene, 1,1-	µg/m3	n/v	1.6 U	1.6 U	0.14 U	9.6 U	4.8 U	8.9 U	7.9 U	7.9 U	0.14 U	0.14 U	0.79 U	0.79 U	0.14 U
Dichloroethene, cis-1,2-	µg/m3	n/v	1.6 U	1.6 U	0.20 U	9.6 U	4.8 U	8.9 U	7.9 U	7.9 U	0.20 U	0.20 U	0.79 U	0.79 U	0.20 U
Dichloroethene, trans-1,2-	µg/m3	n/v	1.6 U	1.6 U	0.79 U	9.6 U	4.8 U	8.9 U	7.9 U	7.9 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Dichloroethene-1,2- (sum)	µg/m3	n/v	3.2 U	3.2 U	1.6 U	19 U	9.6 U	18 U	16 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Dichloropropane, 1,2-	µg/m3	n/v	1.8 U	1.8 U	0.92 U	11 U	5.6 U	10 U	9.2 U	9.2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Dichloropropene, cis-1,3-	µg/m3	n/v	1.8 U	1.8 U	0.91 U	11 U	5.5 U	10 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichloropropene, trans-1,3-	µg/m3	n/v	1.8 U	1.8 U	0.91 U	11 U	5.5 U	10 U	9.1 U	9.1 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	2.8 U	2.8 U	1.4 U	17 U	8.5 U	16 U	14 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Dioxane, 1,4-	µg/m3	n/v	36 U	36 U	18 U	220 U	110 U	200 U	180 U	180 U	18 U	18 U	18 U	18 U	18 U
Ethylbenzene	µg/m3	n/v	1.7 U	**0.35 J**	0.87 U	11 U	5.3 U	9.7 U	8.7 U	8.7 U	0.87 U	0.87 U	0.87 U	**0.73 J**	0.87 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	n/v	3.1 U	3.1 U	1.5 U	19 U	9.3 U	17 U	15 U	15 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Ethyltoluene, 4-	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	6.0 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	**0.64 J**	0.98 U
Heptane (C7)	µg/m3	n/v	**0.40 J**	**0.48 J**	0.82 U	9.9 U	5.0 U	9.2 U	8.2 U	8.2 U	0.82 U	0.82 U	0.82 U	**0.42 J**	0.82 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	n/v	4.3 U	4.3 U	2.1 U	26 U	13 U	24 U	21 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Hexane (n-Hexane)	µg/m3	n/v	1.4 U	1.4 U	**0.57 J**	8.5 U	4.3 U	7.9 U	7.0 U	7.0 U	0.70 U	0.70 U	0.70 U	**0.55 J**	0.70 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	4.1 UJ	4.1 UJ	2.0 U	25 UJ	12 UJ	23 UJ	20 UJ	20 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	**690 J**	**1,000 J**	**16**	**4,600 J**	**2,500 J**	**2,800 J**	**3,500 J**	**4,000 J**	**21**	**21**	**2.5 J**	**3.4 J**	12 U
Isopropylbenzene	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	6.0 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	0.98 U	0.98 U
Isopropyltoluene, p- (Cymene)	µg/m3	n/v	**0.89 J**	**1.2 J**	1.1 U	**4.0 J**	**8.8**	12 U	**7.9 J**	**6.1 J**	1.1 U	1.1 U	1.1 U	**1.4**	1.1 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	n/v	**2.9 J**	**3.8**	1.5 U	**28**	**37**	**51**	**57**	**53**	1.5 U	1.5 U	**1.2 J**	**3.4**	1.5 U
Methyl Isobutyl Ketone (MIBK)	µg/m3	n/v	4.1 U	4.1 U	2.0 U	**6.7 J**	**7.9 J**	**11 J**	**14 J**	**12 J**	2.0 U	2.0 U	2.0 U	**0.71 J**	2.0 U
Methyl Methacrylate	µg/m3	n/v	4.1 U	4.1 U	2.0 U	25 U	12 U	23 U	20 U	20 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl ether (MTBE)	µg/m3	n/v	1.4 U	1.4 U	0.72 U	8.7 U	4.4 U	8.1 U	7.2 U	7.2 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Methylene Chloride (Dichloromethane)	µg/m3	60[A]	**76[A]**	**99[A]**	**1.1 J**	**500[A]**	**530[A]**	**890[A]**	**710[A]**	**530[A]**	**5.5**	**5.7**	**1.1 J**	**0.84 J**	**0.72 J**
Naphthalene	µg/m3	n/v	5.2 UJ	5.2 U	2.6 U	32 UJ	16 UJ	29 UJ	26 UJ	26 UJ	2.6 U	2.6 U	2.6 U	**1.8 J**	2.6 U
Propylbenzene, n-	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	6.0 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	**0.50 J**	0.98 U
Styrene	µg/m3	n/v	**0.85 J**	**1.8**	0.85 U	**3.1 J**	**2.2 J**	**2.1 J**	**2.6 J**	**2.7 J**	0.85 U	0.85 U	0.85 U	**0.22 J**	0.85 U
Tert-Butyl Alcohol	µg/m3	n/v	30 U	30 U	15 U	180 U	92 U	170 U	150 U	150 U	15 U	15 U	15 U	15 U	15 U
Tetrachloroethane, 1,1,2,2-	µg/m3	n/v	2.7 U	2.7 U	1.4 U	17 U	8.3 U	15 U	14 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrachloroethene (PCE)	µg/m3	30[A]	2.7 U	2.7 U	1.4 U	16 U	8.2 U	15 U	14 U	14 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Tetrahydrofuran	µg/m3	n/v	29 U	29 U	15 U	180 U	89 U	170 U	150 U	150 U	15 U	15 U	15 U	15 U	15 U
Toluene	µg/m3	n/v	**2.5**	**3.1**	**0.41 J**	**38**	**38**	**60**	**75**	**77**	**0.40 J**	**0.53 J**	0.75 U	**2.1**	0.75 U
Trichlorobenzene, 1,2,3-	µg/m3	n/v	3.0 U	3.0 U	3.7 U	18 U	9.0 U	17 U	15 U	15 U	3.7 U	3.7 U	1.5 U	3.7 U	3.7 U
Trichlorobenzene, 1,2,4-	µg/m3	n/v	7.4 U	7.4 U	3.7 U	45 U	22 U	42 U	37 U	37 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Trichloroethane, 1,1,1-	µg/m3	n/v	2.2 U	2.2 U	1.1 U	13 U	6.6 U	12 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethane, 1,1,2-	µg/m3	n/v	2.2 U	2.2 U	1.1 U	13 U	6.6 U	12 U	11 U	11 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene (TCE)	µg/m3	2[A]	0.43 U	0.43 U	0.19 U	***2.6 U***	1.3 U	***2.4 U***	***2.1 U***	***2.1 U***	0.19 U	0.19 U	0.21 U	0.21 U	0.19 U
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	**1.6 J**	**2.2 J**	**0.99 J**	**2.6 J**	**3.3 J**	**3.3 J**	**3.2 J**	**3.2 J**	**1.5**	**1.5**	**1.2**	**1.2**	**0.88 J**
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	3.1 U	3.1 U	**0.42 J**	19 U	9.3 U	17 U	15 U	15 U	**0.40 J**	**0.45 J**	1.5 U	**0.54 J**	**0.40 J**
Trimethylbenzene, 1,2,4-	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	6.0 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	**1.1**	0.98 U
Trimethylbenzene, 1,3,5-	µg/m3	n/v	2.0 U	2.0 U	0.98 U	12 U	6.0 U	11 U	9.8 U	9.8 U	0.98 U	0.98 U	0.98 U	**0.35 J**	0.98 U
Trimethylpentane, 2,2,4-	µg/m3	n/v	1.9 U	1.9 U	0.93 U	11 U	5.7 U	10 U	9.3 U	9.3 U	0.93 U	0.93 U	0.93 U	0.93 U	0.93 U
Vinyl Bromide (Bromoethene)	µg/m3	n/v	1.7 U	1.7 U	0.87 U	11 U	5.3 U	9.8 U	8.7 U	8.7 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	µg/m3	n/v	0.20 U	0.20 U	0.20 U	1.2 U	0.62 U	1.1 U	1.0 U	1.0 U	0.20 U	0.20 U	0.10 U	0.10 U	0.20 U
Xylene, m & p-	µg/m3	n/v	**0.83 J**	**1.3 J**	2.2 U	26 U	**3.6 J**	**4.6 J**	**4.9 J**	**3.7 J**	2.2 U	2.2 U	2.2 U	**1.3 J**	2.2 U
Xylene, o-	µg/m3	n/v	1.7 U	**0.45 J**	0.87 U	11 U	**1.2 J**	9.7 U	8.7 U	8.7 U	0.87 U	0.87 U	0.87 U	**0.47 J**	0.87 U
Xylenes, Total	µg/m3	n/v	**0.83 J**	**1.8 J**	3.0 U	37 U	**4.7 J**	**4.8 J**	**4.8 J**	**3.7 J**	3.0 U	3.0 U	3.0 U	**1.7 J**	3.0 U
VOC - Tentatively Identified Compounds															
Total VOC TICs	ppbv	n/v	-	-	**1.3 JN**	-	-	-	-	-	**3.1 JN**	**3.2 JN**	-	-	-

Notes:

NYSDOH	New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure
A	Air Guideline Values, Evaluating Soil Vapor Intrusion in the State of New York, October 2006
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
*	Indicates analysis is not within the quality control limits.
J	The reported result is an estimated value.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

Table 2c
Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (JML Optical)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		IA-7	SS-7		IA-7	SS-7		IA-7	SS-7		IA-8	SS-8		IA-9	SS-9		IA-10	SS-10	
Sample Date		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		31-Mar-19	31-Mar-19		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16	
Sample ID		IA-7	SS-7		IA-DUP-1	SS-DUP-1		IA-7	SS-7		IA-8	SS-8		IA-9	SS-9		IA-10	SS-10	
Sample Description		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Sub-Slab Soil Vapor	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor	
Sampling Company		STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]
Laboratory		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR	
Laboratory Work Order		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-48131-1	200-48131-1		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-33091-1	200-33091-1	
Laboratory Sample ID		200-33091-19	200-33091-7		200-33091-26	200-33091-25		200-48131-9	200-48131-10		200-33091-20	200-33091-8		200-33091-21	200-33091-9		200-33091-22	200-33091-10	
Sample Type	Units				Field Duplicate	Field Duplicate													
Volatile Organic Compounds																			
Carbon Tetrachloride (Tetrachloromethane)[2]	µg/m3	0.50 U	**0.40**	No further action	**0.47 J**	**0.40**	No further action	**0.29**	**0.35**	No further action	3.0 U	2.5 U	R&P action	1.5 U	**0.38**	R&P action	2.8 U	**0.41 J**	R&P action
Dichloroethene, 1,1-[2]	µg/m3	1.6 U	0.79 U	R&P action	1.6 U	0.79 U	R&P action	0.14 U	0.14 U	No further action	9.6 U	7.9 U	Mitigate	4.8 U	0.79 U	R&P action	8.9 U	1.6 U	R&P action
Dichloroethene, cis-1,2-[2]	µg/m3	1.6 U	0.79 U	R&P action	1.6 U	0.79 U	R&P action	0.20 U	**9.9**	No further action	9.6 U	7.9 U	Mitigate	4.8 U	0.79 U	R&P action	8.9 U	1.6 U	R&P action
Methylene Chloride (Dichloromethane)[3]	µg/m3	**76**	**12**	R&P action	**99**	**12**	R&P action	**1.1 J**	1.7 U	No further action	**500**	**380**	Mitigate	**530**	**120**	Mitigate	**890**	**220**	Mitigate
Tetrachloroethene (PCE)[3]	µg/m3	2.7 U	**1.9**	No further action	2.7 U	**1.8**	No further action	1.4 U	**3.7**	No further action	16 U	**71**	R&P action	8.2 U	**16**	No further action	15 U	**64**	R&P action
Trichloroethane, 1,1,1-[3]	µg/m3	2.2 U	**0.91 J**	No further action	2.2 U	**0.91 J**	No further action	1.1 U	**0.79 J**	No further action	13 U	**4.4 J**	R&P action	6.6 U	**5.7**	No further action	12 U	**9.3**	R&P action
Trichloroethene (TCE)[2]	µg/m3	0.43 U	0.21 U	No further action	0.43 U	0.21 U	No further action	0.19 U	**80**	Mitigate	2.6 U	**59**	Mitigate	1.3 U	**3.1**	R&P action	2.4 U	**71**	Mitigate
Vinyl Chloride[4]	µg/m3	0.20 U	0.10 U	No further action	0.20 U	0.10 U	No further action	0.20 U	**2.6 J+**	No further action	1.2 U	1.0 U	R&P action	0.62 U	0.10 U	R&P action	1.1 U	0.20 U	R&P action

Notes:

1	Soil Vapor/Indoor Air Matrices A, B and C, Evaluating Soil Vapor Intrusion in the State of New York, May 2017, New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation
2	The following parameters are categorized as Matrix A: Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride
3	The following parameters are categorized as Matrix B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride
4	The following parameters are categorized as Matrix C: Vinyl Chloride
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit. The laboratory reporting limit is utilized for comparison to NYSDOH matrices for non-detect results.
J	The reported result is an estimated value.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

No further action	No additional actions are recommended to address human exposures.
R&P action	Identify source(s) and resample or mitigate.
Mitigate	Mitigation is recommended to minimize current or potential exposures. associated with soil vapor intrusion.
Monitor	Monitoring is recommended to determine if concentrations have changed and/or to evaluate temporary influences.

Table 2c
Comparison of Sub-Slab Vapor and Indoor Air Results to NYSDOH Guidance Matrices (JML Optical)
Monthly Progress Report #11
820 Linden Ave Site, BCP #C828200
820 Linden Avenue, Pittsford, NY

Sample Location		IA-11	SS-11		IA-12	SS-12		IA-14	SS-14		IA-14	SS-14	
Sample Date		14-Apr-16	14-Apr-16		14-Apr-16	14-Apr-16		31-Mar-19	31-Mar-19		31-Mar-19	31-Mar-19	
Sample ID		IA-11	SS-11		IA-12	SS-12		IA-14	SS-14		IA-DUP	SS-DUP	
Sample Description		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor		Indoor Air	Sub-Slab Soil Vapor	
Sampling Company		STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]	STANTEC	STANTEC	Matrix and Recommended Action[1]
Laboratory		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR		TALBUR	TALBUR	
Laboratory Work Order		200-33091-1	200-33091-1		200-33091-1	200-33091-1		200-48131-1	200-48131-1		200-48131-1	200-48131-1	
Laboratory Sample ID		200-33091-23	200-33091-11		200-33091-24	200-33091-12		200-48131-7	200-48131-8		200-48131-11	200-48131-12	
Sample Type	Units										Field Duplicate	Field Duplicate	
Volatile Organic Compounds													
Carbon Tetrachloride (Tetrachloromethane)[2]	µg/m3	2.5 U	1.5 U	R&P action	2.5 U	**0.66 J**	R&P action	**0.29**	0.22 U	No further action	**0.29**	0.88 U	No further action
Dichloroethene, 1,1-[2]	µg/m3	7.9 U	4.8 U	R&P action	7.9 U	2.4 U	R&P action	0.14 U	0.14 U	No further action	0.14 U	0.56 U	No further action
Dichloroethene, cis-1,2-[2]	µg/m3	7.9 U	4.8 U	R&P action	7.9 U	2.4 U	R&P action	0.20 U	0.20 U	No further action	0.20 U	**3.1**	No further action
Methylene Chloride (Dichloromethane)[3]	µg/m3	**710**	**720**	Mitigate	**530**	**320**	Mitigate	**5.5**	**1.3 J**	No further action	**5.7**	6.9 U	No further action
Tetrachloroethene (PCE)[3]	µg/m3	14 U	**89**	R&P action	14 U	**100**	Mitigate	1.4 U	**12**	No further action	1.4 U	**13**	No further action
Trichloroethane, 1,1,1-[3]	µg/m3	11 U	**5.9 J**	R&P action	11 U	3.3 U	R&P action	1.1 U	**0.81 J**	No further action	1.1 U	4.4 U	No further action
Trichloroethene (TCE)[2]	µg/m3	2.1 U	**79**	Mitigate	2.1 U	**160**	Mitigate	0.19 U	**0.45 J**	No further action	0.19 U	**22 J**	No further action
Vinyl Chloride[4]	µg/m3	1.0 U	0.62 U	R&P action	1.0 U	0.31 U	R&P action	0.20 U	0.20 U	No further action	0.20 U	**1.1 J**	No further action

Notes:

1	Soil Vapor/Indoor Air Matrices A, B and C, Evaluating Soil Vapor Intrusion in the State of New York, May 2017, New York State Department of Health Center for Environmental Health Bureau of Environmental Exposure Investigation
2	The following parameters are categorized as Matrix A: Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride
3	The following parameters are categorized as Matrix B: Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride
4	The following parameters are categorized as Matrix C: Vinyl Chloride
15.2	Measured concentration did not exceed the indicated standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit. The laboratory reporting limit is utilized for comparison to NYSDOH matrices for non-detect results.
J	The reported result is an estimated value.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	Indicates estimated non-detect.
TALBUR	Test America, South Burlington, VT

No further action	No additional actions are recommended to address human exposures.
R&P action	Identify source(s) and resample or mitigate.
Mitigate	Mitigation is recommended to minimize current or potential exposures. associated with soil vapor intrusion.
Monitor	Monitoring is recommended to determine if concentrations have changed and/or to evaluate temporary influences.

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

May 6, 2019

Stephanie Reynolds Smith
Stantec
61 Commercial St.
Rochester, NY 14614

RE: Data Usability Summary Report (DUSR)
Validation of the 820 Linden Avenue Soil Vapor Investigation Analytical Laboratory Data
Eurofins TestAmerica SDG 200-48131-1

Dear Ms. Reynolds Smith:

Review has been completed for the data package generated by Eurofins Test America Laboratories. that pertains to air samples collected 03/31/19 at the 820 Linden Avenue SVI site. Eleven air samples and a field duplicate were collected in 6-L summa canister samples and analyzed for volatile analytes by USEPA method TO-15.

Data validation was performed with guidance from the USEPA Region 2 SOP HW-31, with consideration for the requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Canister Pressures
* Holding Times
* Internal Standard Recoveries
* Method Blanks
* Laboratory and Blind Field Duplicates
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration Standards
* Method Compliance
* Clean Canister Certification
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedure, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample processing was primarily conducted in compliance with, and adherence to, protocol requirements. Results are usable either as reported or with minor qualification/edit. However, there is evidence of non-homogeneity as regards three target analytes in the subslab matrix.

Data Completeness, accuracy, precision, representativeness, and sensitivity are acceptable.

The client and laboratory identifications are attached to this text. Also included is the client EQuIS EDD with recommended validation qualifiers and edits applied.

Volatiles in Air by EPA TO-15

The blind field duplicate evaluations were performed on IA-14 and SS-14. The correlations for the indoor air were acceptable. The subslab matrix shows outlying correlations for vinyl chloride, carbon disulfide, and trichloroethene (all >±RL), and results for those three compounds in SS-14 and SS-DUP have been qualified as estimated in value.

The detection of Freon TF (1,1,2-1,2,2-trichlorotrifluoroethane) in IA-13 has been edited to reflect non-detection due to poor mass spectral quality.

The highest concentration Tentatively Identified Compound (TIC) in SS-13 should have been identified as hexamethylcyclotrisiloxane; that edit has been made to the EDD.

Holding times and instrument tunes meet requirements. Laboratory Control Samples show compliant recoveries. Blanks show no contamination. Canister pressures at laboratory receipt are acceptable.

Initial and continuing calibration standard responses were within validation guidelines, with the exception of the linearity of vinyl chloride (%RSD) in the initial calibration standards. The detected results of that compound in the samples have been qualified as estimated in value.

Due to laboratory error, SS-DUP was processed only at dilution resulting in elevated reporting limits for that canister.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Client and Laboratory Sample IDs

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: 820 Linden

Job ID: 200-48131-1
SDG: 200-48131-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-48131-1	IA-4	Air	03/31/19 22:41	04/02/19 12:03
200-48131-2	SS-4	Air	03/31/19 22:41	04/02/19 12:03
200-48131-3	IA-5	Air	03/31/19 22:36	04/02/19 12:03
200-48131-4	SS-5	Air	03/31/19 22:36	04/02/19 12:03
200-48131-5	SS-13	Air	03/31/19 22:34	04/02/19 12:03
200-48131-6	IA-13	Air	03/31/19 22:34	04/02/19 12:03
200-48131-7	IA-14	Air	03/31/19 22:52	04/02/19 12:03
200-48131-8	SS-14	Air	03/31/19 22:51	04/02/19 12:03
200-48131-9	IA-7	Air	03/31/19 22:49	04/02/19 12:03
200-48131-10	SS-7	Air	03/31/19 22:49	04/02/19 12:03
200-48131-11	IA-DUP	Air	03/31/19 22:52	04/02/19 12:03
200-48131-12	SS-DUP	Air	03/31/19 22:51	04/02/19 12:03
200-48131-13	OA-2	Air	03/31/19 22:37	04/02/19 12:03

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

June 10, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #12
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #12 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from May 11, 2019 through June 10, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- Work continued on the Remedial Investigation Report (RIR).
- Work continued on the Construction Completion Report (CCR) and Operations, Maintenance, and Monitoring Plan (OM&M Plan) for the Interim Remedial Measure (IRM) related to the recently completed installation of the SSDS in the southern tenant (JML) space.
- The SRI WP comments received from NYSDEC and NYSDOH on May 9, 2019 were reviewed.

2. Data Received or Generated in the Reporting Period

No data were received or generated this reporting period.

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #11 was submitted on May 10, 2019.
- Based on the analytical data from the post-SSDS installation SVI sampling event performed on March 31, 2019, Stantec proposed in the previous Progress Report that a Supplemental Interim Remedial Measures Work Plan (IRM WP#3) be prepared to detail a proposed SSDS extension in the 1954 building construction area. It was also proposed that submission of the SSDS CCR and OMM Plan be delayed until SSDS installation in the 1954 building construction area is completed

Reference: **Monthly Progress Report #12**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

such that this new area could be included. On May 29th, NYSDEC approved via e-mail the proposed delay of the CCR and OMM Plan submittal. A decision by the Departments on the proposed SSDS extension had not yet been issued.

- On May 24th, Knauf Shaw, environmental counsel for Ridgecrest Associates (the owner), filed a dispute letter with NYSDEC regarding Department comments on the SRI WP received on May 9th. On May 31st, NYSDEC modified Comment #8 of their May 9th comment letter, via e-mail by stating that the septic tank removal work would be treated as an IRM. On June 5th, the NYSDEC Bureau Director extended the dispute resolution period until June 14th. On June 6th, Knauf Shaw agreed to the modification, and agreed to withdraw the dispute upon receipt of a revised formal comment letter from NYSDEC. A letter from NYSDEC documenting the revision to Comment #8 was received on June 7th and thus Knauf Shaw submitted a dispute termination letter on June 10th.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Work will continue on the RIR.
- Work will continue on the CCR and the SSDS OM&M Plan.
- Pending approval by NYSDEC, work will begin on Supplemental IRM WP#3 to detail the proposed SSDS extension in the 1954 building construction area.
- Given the dispute closure, plans to begin implementing the revised SRI WP will commence.

5. Completion, Delays, and Future Schedule

The RI field program is concluded. Implementation of the SRI Work Plan will begin when dispute resolution is complete. As shown in the schedule included in the revised SRI Work Plan, the draft RIR submission will incorporate findings from the SRI; however, the schedule for implementation of the SRI will need to be updated to reflect current timing.

The field program for IRM #1 related to the installation of the SSDS in the JML space is concluded. Contingent on NYSDEC approval, it is anticipated that work will begin on Supplemental IRM WP#3 to detail the proposed SSDS extension in the 1954 building construction area and that the CCR and OM&M Plan will be completed following installation of a SSDS in the 1954 building construction area.

Reference: **Monthly Progress Report #12**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Closing

Should you have any questions or require further information, please contact us.

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
stephanie.reynoldssmith@stantec.com

Robert J. Mahoney, P.G.
Senior Environ. Geologist
(585) 413-5301
bob.mahoney@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

Kevin Ignaszak, P.E.
Principal
Phone: (585) 413-5355
Kevin.Ignaszak@stantec.com

ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#12 - covering may 2019\report.c828200.2019-06-10.pr12.docx

Stantec Consulting Services Inc.
61 Commercial Street Suite 100, Rochester NY 14614-1009

July 10, 2019
File: 190500898

Ms. Tasha Mumbrue, Engineering Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Reference: Monthly Progress Report #13
Brownfield Cleanup Program Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Dear Tasha:

On behalf of Ridgecrest Associates, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #13 for the Brownfield Cleanup Program at the 820 Linden Ave Site located at 820 Linden Avenue, Monroe County, New York (Site). This report covers the period from June 11, 2019 through July 10, 2019.

1. Actions Conducted During the Reporting Period

Actions conducted include the following:

- Work continued on the Remedial Investigation Report (RIR).
- The approved Revised Limited Supplemental Remedial Investigation Work Plan (SRI WP) and NYSDEC letters dated May 9, 2019 and June 7, 2019 were compiled for submission to the document repositories.
- Given the SRI WP approval and dispute closure, plans to implement the SRI including subcontractor and tenant coordination commenced.
- Work continued on the Construction Completion Report (CCR) and Operations, Maintenance, and Monitoring Plan (OM&M Plan) related to Interim Remedial Measure (IRM#1), the recently completed installation of the SSDS in the southern tenant (JML) space. NYSDEC previously approved (on May 29th) Stantec's proposal to delay submission of the SSDS CCR and OM&M Plan until SSDS installation in the 1954 building construction area is completed such that this new area could be included.
- Preparation of the Supplemental Interim Remedial Measures Work Plan (IRM WP#3) to detail the SSDS extension in the 1954 building area was started, including a site visit on July 8, 2019. [Please note that IRM WP#2 related to the septic systems has not yet been prepared or submitted, but it has been referred to as such previously and in order to keep references consistent, the numbering conventions will not be changed.]

Reference: **Monthly Progress Report #13**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

2. Data Received or Generated in the Reporting Period

No data were received or generated this reporting period.

3. Deliverables Completed and Submitted during the Reporting Period

Deliverables completed or submitted include the following:

- Monthly Progress Report #12 was submitted on June 10, 2019.
- The Revised Limited SRI WP (dated February 2019) including NYSDEC's approval with conditions letter (dated May 9, 2019, and NYSDEC's comment revision letter (dated June 7, 2019) were sent to the document repositories on June 13, 2019.
- An estimated schedule for the SSDS design, construction and reporting in the 1954 construction area was submitted to NYSDEC on June 19, 2019.
- Authorization to proceed with preparation of the Supplemental Interim Remedial Measures Work Plan (IRM WP#3) to detail a proposed SSDS extension in the 1954 building construction area was received on June 12, 2019.

4. Actions Scheduled for the Next Reporting Period

Actions scheduled include the following:

- Planning for and implementation of the Revised Limited SRI.
- Work will continue on the RIR to incorporate activities and findings related to the Revised Limited SRI.
- Work will continue on preparation of Supplemental IRM WP#3 to detail the proposed SSDS extension in the 1954 building area.

5. Completion, Delays, and Future Schedule

The RI field program is concluded. Implementation of the SRI Work Plan is scheduled for the week of July 22nd. As shown in the schedule included in the revised SRI Work Plan, the draft RIR submission will incorporate findings from the SRI; however, the schedule for implementation of the SRI has been delayed due to regulatory reviews, correspondence, the dispute resolution, and subcontractor scheduling. An updated schedule related to the RI, SRI, and IRM #2 is attached.

The field program for IRM #1 related to the installation of the SSDS in the JML space is concluded. Given NYSDEC's approval, work began on Supplemental IRM WP#3 to detail the proposed SSDS extension in the 1954 building construction area, as per the schedule provided to NYSDEC on June 19. The CCR and OM&M Plan will be completed following installation of the additional SSDS.

Reference: **Monthly Progress Report #13**
BCP Site # C828200
820 Linden Avenue
Pittsford, Monroe County, New York

Closing

Should you have any questions or require further information, please contact us.

Sincerely,
STANTEC CONSULTING SERVICES INC.

Stephanie Reynolds-Smith
Project Manager, Hydrogeologist
(585) 413-5272
stephanie.reynoldssmith@stantec.com

Michael P. Storonsky
Managing Principal
(585) 413-5266
mike.storonsky@stantec.com

Dwight Harrienger, PE, LEED AP
Senior Associate
(585) 413-5273
dwight.harrienger@stantec.com

Kevin Ignaszak, P.E.
Principal
Phone: (585) 413-5355
Kevin.Ignaszak@stantec.com

Attachment:

Table 1 Anticipated Project Schedule

ec: K. Kulow (NYSDOH)
D. Tinsley (NYSDEC)
J. Lobozzo (Ridgecrest)
L. Shaw (Knauf Shaw)
File

u:\190500898\05_report_deliv\deliverables\reports\monthly progress reports\pr#13 - covering june 2019\report.c828200.2019-07-10.pr13.docx

Table 1
Anticipated Project Schedule
Supplemental Remedial Investigation Work Plan
820 Linden Ave BCP Site #C828200
820 Linden Avenue, Pittsford, NY

Task	2019							
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Supplemental Remedial Investigation Work Plan (SRI WP)								
Resubmit SRI WP								
NYSDEC/NYSDOH Review								
NYSDEC Approval with conditions	X							
Dispute Resolution (between Owner Counsel and NYSDEC)								
Revised Limited SRI WP Compiled and Sent to Repositories		X						
Supplemental Remedial Investigation Field Activities								
Field Program								
Laboratory Analysis								
Draft RI Report (RIR)								
Laboratory Data Validation								
NYSDEC EDD Submission					X			
Draft RIR Preparation								
Draft RIR Submission					X			
NYSDEC Review of Draft RIR								
Respond to Comments, Prepare & Submit Revised RIR								
RIR Approval								X
Public Notice & Fact Sheet Distribution on RIR								X
Draft Interim Remedial Measures Work Plan #2 (IRM WP#2)								
Draft IRM WP#2 Preparation								
Draft IRM WP#2 Submission					X			
NYSDEC Review of IRM WP#2								
Respond to Comments, Prepare & Submit Revised IRM WP#2								
IRM WP #2 Approval							X	
Implementation of IRM #2								
Preparation of IRM Specifications								
Contractor Bidding, Bid Evaluation, Contractor Selection								
IRM #2 Implementation*								

Blue shaded block indicates NYSDEC-related review and community participation items.

X X indicates a milestone date (document submission or approval).

* The proposed schedule for field activities will be dependent on subcontractor availability and tenant coordination. Tenant operations are sensitive to vibration and prior notice is required to not inturrupt these operations. Thus, it is proposed to plan to mobilize within 30-days of NYSDEC approval pending contractor availability.