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SITE MANAGEMENT PERIODIC REVIEW REPORT AND IC/EC CERTIFICATION SUBMITTAL – NUMBER 3

REPORTING PERIOD: 23 APRIL 2019 – 22 APRIL 2024
BCP SITE #C932138
GM COMPONENTS HOLDINGS, LLC
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

by H & A of New York Engineering and Geology, LLP
Rochester, New York

on behalf of GM Components Holdings, LLC

for New York State Department of Environmental Conservation
Buffalo, New York

File No. 127784-104
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Note – Figure number 3 is not used in this PRR to allow utilizing the same figures (1-2, 4-10) contained in the NYSDEC approved Site Management Plan (November 2016).

List of Acronyms

BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
COCs	Contaminants of Concern
CSCO	Commercial use Soil Cleanup Objectives
EC	Engineering Control
EWP	Excavation Work Plan
FER	Final Engineering Report
GA	NYSDEC Groundwater Quality Criteria
HASP	Health and Safety Plan
IC	Institutional Control
IRM	Interim Remedial Measure
ISCO	Industrial use Soil Cleanup Objectives
ISCR	In-Situ Chemical Reducing
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operations and Maintenance
OM&M	Operation, Maintenance and Monitoring
PAHs	Polycyclic Aromatic Hydrocarbons
PGWSCO	Protection of Groundwater Soil Cleanup Objectives
PID	Photoionization Detector
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RSL	Regional Screening Level
RWP	Remedial Work Plan
SCG	Standards, Criteria and Guidelines
SMP	Site Management Plan
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1. Executive Summary

1.1 SITE SUMMARY

GM Components Holdings, LLC (GMCH) currently owns and operates the automotive component manufacturing facility located at 200 Upper Mountain Road in the City of Lockport, New York. The entire GMCH facility is approximately 359 acres in size and is located in an area of mixed residential, agricultural, commercial, and industrial setting along Upper Mountain Road. The Brownfield Cleanup Program (BCP) Site (Site) is approximately 128 acres of the 359 acres and includes four Buildings (7, 7A, 8 and 10). As cited in the Environmental Easement recorded for the Site, the use standards for the property are Commercial / Industrial as described in 6 NYCRR Part 375-1.8.

The contaminants of concern (COCs) for the BCP Site are chlorinated volatile organic compounds (VOCs) tetrachloroethene (PCE), trichloroethene (TCE), and the biodegradation breakdown products of PCE and TCE; cis and trans 1,2-dichloroethene (DCE), and vinyl chloride (VC) associated with former degreasing operations within Buildings 7, 8 and 10. These compounds have been detected in soil and groundwater and at low concentrations in soil vapor and indoor air at various locations within the referenced Buildings. Semi-volatile organic compounds (SVOCs) identified as polycyclic aromatic hydrocarbons (PAHs), and metal constituents lead (Pb) and arsenic (As) have been detected at concentrations exceeding the Industrial use Soil Cleanup Objectives (ISCOs), Commercial use Soil Cleanup Objectives (CSCOs) and/or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) in a limited number of soil samples at Buildings 7 and 8. Cadmium (Cd) was also detected above its respective CSCOs and PGWSCOs in one subsurface soil sample at Building 10, but has not been detected in groundwater at concentrations exceeding the NYSDEC groundwater (GA) quality criteria[1].

Remedial activities completed to date have included the following:

- *Vapor Mitigation* - Sub-Slab Depressurization (SSD) Systems installed in Buildings 7, 7A, and 8 and a Soil Vapor Extraction (SVE) subsequently converted to an SSD System in Building 10;

- *Groundwater Remedy* - Enhanced bioremediation through the injection of an In-Situ Chemical Reducing (ISCR) material and carbon substrate into the subsurface between Buildings 7 and 10; and

- *Site-Wide Cover System* – consisting of concrete flooring and building foundations associated with Buildings 7, 7A, 8, and 10, exterior concrete sidewalks, asphalt pavement and stone, and one-foot of clean soils in unpaved areas of the Site.

1.2 REMEDIAL PROGRAM EFFECTIVENESS

As presented in Section 3 of this Periodic Review Report (PRR), the concentration of Site COCs at performance monitoring wells MW-7-7 and MW 7-A-6 which are located within the injection area on the east side of Building 10 has increased over the reporting period but remain below the highest concentrations observed at these well locations and the areal extent of groundwater impacted with concentrations of the Site COCs has decreased. The data indicates that the groundwater remedy in terms of performance, effectiveness, and protectiveness is meeting the intent of the remedy design by reducing

[1] Information provided in the Site Summary is from information provided in the Site Management Plan (November 2016).

the extent of groundwater impacted with Site COC within the sub-surface and continues to demonstrate that the remedy has been implemented in a manner that is protective of human health and the environment.

1.3 SITE MANAGEMENT PLAN COMPLIANCE

Based on review of the data collected and documentation relative to the operations, maintenance, and monitoring (OM&M) activities associated with the Cover Maintenance-Enhanced Biodegradation-Sub-Slab Depressurization remedy during the PRR period from 23 April 2019 through 22 April 2024, these activities were conducted in accordance with the Site Management Plan (SMP) (November 2016).

The GMCH Lockport facility, in response to the national Covid-19 (CV-19) outbreak, and in alignment with national and New York State initiatives, temporarily ceased manufacturing operations at the plant from 21 March 2020 through 3 May 2020 and did not allow entrance to the Site and Site buildings for non-essential purposes. A request to the NYSDEC was submitted and approved on 14 April 2020 to extend the annual inspection period for the 2019-2020 period from 22 April 2020 to 22 July 2020 due the CV-19 situation and above restrictions to the Site. In June 2020 the Lockport facility allowed non-essential personnel access to the Site, H & A of New York Engineering and Geology, LLP (HANY E&G) conducted the annual site inspection on 18 June 2020. Subsequent annual inspections for the July 2020 through April 2021, May 2021 through April 2022, May 2022 through April 2023 and May 2023 through April 2024 reporting periods were conducted in April of 2021 through 2024, at the end of the respective performance period.

Based on current conditions and as summarized in the Site Management Period Review Report and IC/EC Certification Submittal – Number 2 Reporting Period: 23 April 2018 – 22 April 2019 (Haley & Aldrich June 2019), the Building 10 SSD blower remains off-line.

As previously reported, indoor air (IA) sampling results collected in Building 10 in March 2017 and March 2018 when the SSD blower system was operational were compared to the IA sampling results collected in April 2019 when the SSD system off-line. The analytical results suggested that operation of the SSD system may have negligible effectiveness relative to IA quality based on the decreasing concentration trends for VOC detected in the samples (cis-1,2-DCE, carbon tetrachloride, TCE, and PCE).

In the above referenced 2018-2019 PRR Number 2, the collection of IA samples within Building 10 and analysis of the Site contaminants was recommended as a contingency measure to the SSD system operation. A summary of the IA sampling results collected in Building 10 from April 2019 through April 2024 are provided in Table 2 and is discussed further in Section 4.3.

1.4 RECOMMENDATIONS

Proposed recommendations relative to the OM&M activities associated with the PRR for this reporting period are presented below.

1.4.1 Proposed Revisions to the SMP

1) Section 1.3 Table 1: Notifications

- *GMCH Site Contact* - from Cynthia Tudor-Schultz to Casey Essary, Environmental Supervisor – NY Region, GMCH Tonawanda Facility
  Phone: (716) 867-2530, email: casey.essary@gm.com

- *GMCH Site Alternate Contact* - from James F. Hartnett to Merrick Alexander Remediation Project Engineer,
  Phone: (905)744-4203, email: Merrick.alexander@gm.com

1.4.2 Cover System Monitoring

No changes to the current SMP requirements relative to the cover system monitoring are recommended.

1.4.3 Enhanced Biodegradation Monitoring

No changes to the current annual Site-wide groundwater sampling program, as defined in the SMP, are recommended.

1.4.4 SSD System OM&M

Continued SSD System OM&M activities as defined in the SSD System OM&M Plan for Buildings 7, 7A, and 8.

1) Replacement of the hour meter for blower 8-4. As noted in Table I of Appendix B – Progress Summary Reports on SSDS Operations, while the blower continues to operate, the hour meter has stopped functioning and should be replaced to allow tracking of blower run hours.

2) As indicated on Table II of Appendix B – Progress Summary Reports on SSDS Operations, several sub-slab monitoring points (SMPs) have either been covered or are periodically inaccessible, due to changes in the Plant operations and/ or equipment location. Therefore, the following SMPs should be relocated/replaced to allow assess for sub-slab vacuum measurement:

Building 7-West	Building 7-East
SMP-7W-9	SMP-7E-3
SMP-7W-11A	SMP-7E-8B
SMP-7W-12B	
SMP-7W-13	

1.4.5 Building 10 Conversion from SSD to Passive Venting

As initially indicated in PRR No. 2 (Haley & Aldrich 2019) Section 1.4.5, GMCH proposes to convert the Building 10 SSD system to a passive venting system (PVS). As summarized in Table 2 – Summary of Indoor Air Sampling Results of this PRR, comparison of the results from the 17 April

2019 indoor air (IA) sampling conducted in Building 10 when the SSD blower system was off-line, to the March 2017 and March 2018 IA sampling results, when the blower system was operational, suggests that operation of the SSD system may have negligible effectiveness relative to IA quality based on the decreasing concentration trends for cis-1,2-DCE, carbon tetrachloride, and TCE. Additionally, the triannual (three times per year) IA sampling results from the March 2018 through March 2024 indicate similar trends, and all IA results are below NYSDOH mitigation criteria. Therefore, GMCH proposes to convert the Building 10 SSD to a passive venting system (PVS). The main components of this conversion would include;

- installation of a wind turbine type ventilator at the existing SSD system discharge stack located at the Building 10 roof area which would serve as the driving force and supplement convective flow;

- utilize the existing SSD piping network including the sub-slab trench legs which serve as vapor collection measures; and

- installation of piping to bypass the existing SSD blower system which is currently off-line due to operational issues.

Pending NYSDEC approval, the proposed SSD to PVS modification could be completed within six months of approval. To assess PVS performance, GMCH proposes to conduct monthly vacuum measurements at the PVS piping to confirm a negative pressure within the piping and continue triannual IA sampling at the same locations, 10-IA-1 and 10-IA-2. The IA results would allow for assessment of the PVS performance and evaluation of the effectiveness and protectiveness.

As a contingency measure, should either three (3) consecutive IA analytical results indicate increasing trends or if one (1) of the IA analytical results indicates target site COC concentrations above 1 µg/M^3 for IA Matrix A compounds cis-1,2-DCE, carbon tetrachloride, and TCE, or 10 µg/M^3 for IA Matrix B compound PCE, then a confirmation sample would be collected within 2-weeks of receipt of the validated analytical report for the quarterly event. If the confirmation sample validates the trends of the previous sampling event, then GMCH would be prepared to reactivate the Building 10 system to SSD operations.

1.4.6 Future PRR Submittals

Future PRRs will be submitted upon request from the New York State Department of Environmental Conservation (NYSDEC).

2. Site Overview

2.1 SITE LOCATION, BOUNDARIES, FEATURES AND PRE-REMEDIAL CONTAMINATION EXTENTS

The BCP Site is located in the County of Niagara, New York at 200 Upper Mountain Road in the City of Lockport (see Figure 1). The Site is approximately 128 acres in size and is bounded by CSX railroad lines and Old Saunders Settlement Road to the south, Upper Mountain Road and additional parking areas to the east, the Lockport Energy Associates (LEA) cogeneration facility and Town of Lockport IDA property to the west, the GMCH Building 9 which is used for warehousing purposes to the northwest, and property owned by Mahle Behr Troy, Inc., and the Delphi Harrison Thermal Systems site (Site #932113 on the NYSDEC Environmental Site Remediation Database) are to the northeast (see Figure 2).

Significant features and characteristics of the Site include the following:

- The BCP Site is currently part of an active manufacturing facility and includes four buildings as follows: (1) Building 7 is an approximately 990,000 square foot manufacturing building; (2) Building 7A is an approximately 87,000 square foot office and engineering building; (3) Building 8 is an approximately 553,000 square foot manufacturing building; and (4) Building 10 is an approximately 453,000 square foot manufacturing and warehouse building;

- The majority of the ground surface is covered by building foundations, concrete, or asphalt/ stone pavement creating a physical barrier to the underlying soils, and the majority of the vegetative cover within the BCP Site is located in the southern and eastern portions of the Site, and extend to Upper Mountain Road to the east;

- Immediately below the various anthropogenic ground covers is a fill layer consisting of gravel, sand and silt, ranging in depth from approximately 1 to 9 feet. Below the fill layer, native clays and silts comprise the remaining overburden soils. Bedrock consisting of Lockport Dolostone is typically encountered between 6 and 13 feet below ground surface;

- The existing topography in the vicinity of the GMCH facility is generally flat with an approximate 25 feet change in elevation from a high at the truck gate at the western side (615 feet above mean sea level) to a low at the eastern side along Upper Mountain Road (590 feet above mean sea level) over a distance of 3,150 feet, or less than a 1-percent grade.

- Groundwater is not utilized as a potable resource at the BCP Site.

The nature and extent of the previously identified COCs in soil are indicated on Figures 4, 5, and 6 for Buildings 7/7A, 8, and 10 respectively, in groundwater as indicated on Figure 7, and sub-slab soil vapor and indoor air as indicated on Figures 8, 9, and 10 for Buildings 7/7A, 8, and 10. Data suggests that the groundwater in the upper 10 to 15 feet of bedrock beneath Building 7/7A, the southern and eastern portions of Building 8, and the eastern portion of Building 10 exceeds the Class GA criteria for the COCs, with the highest concentrations primarily identified beneath Building 10 and on the western (upgradient) side of Building 7.

2.2 REMEDIAL PROGRAM REVIEW

A summary of remedial activities completed prior to and after entering into the Brownfield Cleanup Agreement (BCA) (May 2010), and prior to issuance of the NYSDEC's Decision Document (June 2016) were as follows:

Vapor Mitigation (SSD):

- Building 10 SVE/ SSD System Interim Remedial Measure (IRM) – Installation and OM&M. System start-up occurred in March 2009 and has been operated on a continuous basis from the 2009 start-up through April 2019. As discussed below, conversion from an SVE to an SSD System was completed in September 2016.

- Buildings 7, 7A and 8 SSD Systems IRM – Installation and OM&M. System start-up occurred in August 2013 and have been operated on a continuous basis since the 2013 start-up.

Enhanced Bioremediation (Groundwater Remedy):

- Pilot Scale Injection Well Installation and Testing – September through October 2015.

Remedial activities conducted after receipt of the Decision Document, which are summarized in further detail in the Final Engineering Report (FER) submitted to the NYSDEC in December 2016 (Haley & Aldrich, 2016) were as follows:

Enhanced Bioremediation (Groundwater Remedy):

- Full-scale implementation completed in June 2016 with subsequent groundwater monitoring activities in accordance with the approved Remedial Work Plan (RWP) through May 2017.

Cover System (Surface and Subsurface Soils to 12-inch Depth):

- Surface Soil Sampling Program completed August 2016.

Vapor Mitigation (SSD):

- Conversion of the Building 10 SVE/SSD System to SSD only completed September 2016.

Current activities that are being conducted in accordance with the NYSDEC approved SMP (November 2016) are as follows:

- Site-Wide Groundwater Monitoring;

- Cover System Monitoring and Maintenance; and

- SSD System OM&M.

3. Remedy Performance, Effectiveness, and Protectiveness Evaluation

The selected remedy, as described in the NYSDEC Decision Document (June 2016) is referred to as the Cover Maintenance-Enhanced Biodegradation-Sub-Slab Depressurization remedy. The following sub-section provides an evaluation summary of the Enhanced Biodegradation associated with the groundwater remedy during this PRR reporting period. The Cover Maintenance and Sub-Slab Depressurization engineering control evaluations are summarized in Section 4 – IC/EC Monitoring and Maintenance Plan Compliance Report.

3.1 ENHANCED BIODEGRADATION EVALUATION

To evaluate the performance and effectiveness of the enhanced biodegradation groundwater remedy, representative groundwater samples are collected for the analysis of indicator parameters and the determination of the Site COC concentrations. Details of the injection program conducted in June 2016 and the results of the post-injection groundwater monitoring program were included in the Final Engineering Report (FER) (December 2016).

Since the submission of the FER, representative groundwater samples have been collected from the four (4) performance monitoring wells, MW-7-7, MW-7-A-6, MW-7-8 and MW-7-5, in May 2017, and May 2018, in accordance with the approved SMP (November 2016). The findings from the May 2017 Site-Wide groundwater monitoring program, which included the results for the performance monitoring well locations, were submitted to the NYSDEC in a report entitled; *Results of May 2017 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2017) and discussed in the *Site Management Periodic Review Report and IC/EC Certification Submittal – Number 1, Reporting Period: 22 December 2016 – 22 April 2018*, *BCP Site #C932138, GM Components Holdings, LLC., 200 Upper Mountain Road, Lockport, New York* prepared by Haley & Aldrich of New York and submitted to the Department in May 2018.

The findings from the May 2018 Site-Wide groundwater monitoring program, which included the results for the performance monitoring well locations, were included in Appendix C of the *Site Management Periodic Review Report and IC/EC Certification Submittal – Number 2, Reporting Period: 23 April 2018 – 22 April 2019 , BCP Site #C932138, GM Components Holdings, LLC., 200 Upper Mountain Road, Lockport, New York* prepared by Haley & Aldrich of New York and submitted to the Department in June 2019.

Since the submittal of the PRR No.2 in June 2019, Site-Wide groundwater monitoring program, which include the results for the performance monitoring well locations, are included in Appendix C in the annual reports entitled[2];

- *Results of May 2019 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2019).
- *Results of June 2020 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2020)
- *Results of August 2021 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2022)

[2] Field work and report preparation were conducted by HANY E&G's subconsultant GZA GeoEnvironmental of New York under the direction of HANY E&G on behalf of GMCH. The Electronic Data Deliverable from these sampling events (20240614 1516.C932138.NYSDEC) was uploaded and the data is awaiting approval and assignment of an EDD number.

- *Results of September 2022 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2023)
- *Results of October 2023 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York* (GZA GeoEnvironmental of New York, 2024)

This PRR includes the evaluation of the results of the analysis of groundwater collected from the performance monitoring well locations from May 2019 through October 2023. PRR Table 1 provides a summary of the field parameters collected and analytical results from the sampling events, an assessment of these data is provided below.

The observed reduction in the total mass of the Site COCs since the initiation of the remedial program suggests that in terms of performance, effectiveness, and protectiveness, the groundwater remedy is meeting the intent of the remedial program by actively reducing the parent Site COC concentrations within the sub-surface and thereby improving the groundwater quality.

3.1.1 Performance

A summary of the indicator parameter data from the monitoring well locations used to evaluate the performance of the injection program during this PRR period (reporting period) is presented below.

MW-7-7:

The oxidation reduction potential (ORP) ranged from -320 to -234 millivolt (mV), pH ranged from 6.8 to 6.9 S.U., the dissolved oxygen (DO) concentration ranged from 0.2 to 0.47 milligrams per liter (mg/L) and total organic carbon (TOC) concentration ranged from 10 to 17.3 mg/L during the reporting period. These data indicate that the geochemical conditions (i.e. anaerobic, neutral pH with residual organic carbon) present at MW-7-7 are anticipated to continue to promote in-situ biodegradation of the site COCs via reductive dechlorination processes in this area of the Site.

MW-7-A-6:

The indicator parameters, ORP ranged from -60 to -231 mV, pH from 6.3 to 6.8, DO concentration ranged from 0.17 to 0.59 mg/L indicate that the groundwater continues to exhibit anaerobic conditions. TOC at this location ranged from 12.9 to 42 mg/L and total iron (Fe) was 17 mg/L during the 2023 sampling event suggesting that the groundwater geochemical conditions and the presence of residual bio-amendment are anticipated to continue to promote in-situ biodegradation of the site COCs via reductive dechlorination processes in this area of the Site.

MW-7-8:

MW-7-8 is located approximately 250-feet cross-gradient from monitoring well MW-7-A-6 and appeared to be influenced by the injection of the bio-amendment at the southern injection well array. The indicator parameters, ORP ranged from -154 to -118 mV, pH from 6.9 to 7.3, and DO concentrations ranging from 0.10 to 0.21 mg/L indicate that the groundwater in this area of the Site has maintained anaerobic conditions. These groundwater geochemical conditions are anticipated to continue to promote in-situ biodegradation of the site COCs via reductive dechlorination processes in this area of the Site.

MW-7-5:

MW-7-5 is located on the east side of Building 7 approximately 500-feet downgradient of the injection point areas located between Buildings 10 and 7. The indicator parameters, ORP ranged from +180 to -102 mV (2021), pH from 6.8 to 7.7, DO concentrations from 0.23 to 0.68 mg/L and TOC ranging from 5.1 to 8.2 (2023) mg/L suggests that this area of the Site was minimally affected by the groundwater remedial program.

3.1.2 Effectiveness

The evaluation of the Site COC concentrations detected in the performance monitoring well locations used to determine the effectiveness of the injection program is presented below.

MW-7-7:

Over the reporting period, the concentration of the Site COCs detected at MW-7-7 ranged from 120 to 162 mg/L. The micro-molar (µM) concentrations of VC and DCE decreased while the TCE and PCE µM concentrations increased suggesting that back diffusion from the impacted bedrock may be occurring at this well location.

Even with the observed increase in PCE and TCE concentrations during the reporting period, the total µM concentrations of the Site COCs calculated from the reported results of the groundwater samples collected at MW 7-7 indicate that the total mass of the Site COCs present at this location has been reduced by over 10% since the implementation of the groundwater remedy.

Figure 11 presents the µM concentrations observed at MW-7-7 prior to and during the reporting period.

MW-7-A-6:

During the reporting period, the total concentration of Site COCs detected at MW 7-A-6 ranged from 180 to 347 mg/L. The principal Site COCs detected were cis 1,2 DCE at maximum concentrations of 200 mg/L and vinyl chloride at 110 mg/L in 2022. While the concentration of PCE and TCE were significantly lower, the observed increase in VC and DCE concentrations during the reporting period indicate that reductive dechlorination processes remain active in this area of the Site.

Figure 12 presents the µM concentrations observed at this well location prior to and during the reporting period.

MW-7-8:

During the reporting period from 2019 through 2023, the µM concentration of TCE and PCE fluctuated while DCE and VC decreased suggesting that these constituents were mineralized to benign end products of chloride, ethene and carbon dioxide.

The results of the groundwater sampling events conducted during the reporting period indicates that the groundwater quality has generally improved and reductive dechlorination processes are still active in this area of the Site.

Figure 13 presents the µM concentrations observed at this well location prior to and during the reporting period.

MW-7-5:

During the reporting period, an increase in the total concentration of the Site COCs ~~from~~ was observed at this well location but was below the historical maximum concentrations observed at this well location. The µM concentrations of PCE and TCE represent over 90% of the total mass of the Site COCs suggesting that the biologically mediated degradation is not a significant process in this area of the Site.

Figure 14 presents the µM concentrations observed at this well location prior to and during the reporting period.

The overall effectiveness of the groundwater remedy is indicated by the reduction in the concentrations of the Site COC observed in downgradient monitoring well locations, MW 7-2, MW 7-3, MW 7-4, MW 7-1R and MW 7-P-1. These monitoring results suggest that the natural attenuation processes of adsorption, dispersion, and dilution are continuing to control the migration of impacted groundwater from the identified source areas associated with Buildings 7 and 10.

3.1.3 Protectiveness

To assess the protectiveness of the groundwater remedy, the results of the analysis of groundwater samples were evaluated by comparing the results to previous sampling events to determine the long-term trends.

The groundwater monitoring conducted at the performance monitoring well locations has confirmed the conversion of the parent compound, PCE to its breakdown products TCE, cis-1,2 DCE and VC. However, the current concentrations of each of these constituents exceed the Class GA groundwater quality standards published by the NYSDEC Division of Water (Technical and Operational Guidance Series (TOGS) Memorandum 1.1.1).

Since the Institutional Control restricts the use of groundwater at the Site under an Environmental Easement filed with the local authorities, there are no current or foreseeable risks to human health for on-site workers or visitors from exposure to impacted groundwater. The results of the groundwater monitoring conducted during the reporting period continue to demonstrate that the remedy has been implemented in a manner that is protective of human health and the environment.

4. IC/EC Operations, Maintenance and Monitoring Plan Compliance Report

4.1 IC/EC REQUIREMENTS AND COMPLIANCE

Currently the Site Institutional Controls (ICs) are enacted through an Environmental Easement for groundwater use restriction, land use restriction and a SMP. The SMP contains the IC/EC Plan, Soil Management Plan, Monitoring Plan, and Operations and Maintenance Plan. The Engineering Controls (ECs) consist of a Cover System and SSD Systems. The objectives of the IC/ECs are to: (1) maintain and monitor EC systems; (2) prevent exposure to remaining contamination; and (3) limit the use and development of the Site to Commercial and Industrial uses only. Performance monitoring of the IC/ECs is evaluated by conducting the monthly, triannual and annual operations, monitoring, maintenance and inspections as specified in the SMP.

Activities associated with the IC/EC requirements and compliance conducted during this PRR period were as follows:

4.2 BCP SITE-WIDE INSPECTIONS & COVER SYSTEM MONITORING

A total of nine site-wide inspections were conducted during this PRR reporting period. Five routine annual PRR inspections were conducted, one in June 2020, and four in each April from 2021 through 2024. There were four unscheduled inspections conducted one on 1 November 2019[3], one on 17 November 2020, and one on 15 December 2021 in response to high-wind events at the Site a couple of days prior to the site review, and one on 21 July 2021 in response to two local heavy rain events on 17 and 20 July 2021. Refer to Appendix A for the completed Site Inspection Forms for the reporting period in addition to the following documents associated with the annual PRR inspection:

- Appendix A Table A-1 which provides a tabular summary of cover-intrusive activities and supporting documentation such as figures showing the various work areas at the Site where known or potentially remaining contaminated material may exist, laboratory analytical results of excavated materials, and disposition of discharge of liquids (water) removed during excavation activities;

- A photo Log of photographs taken of various aspects of the Site during the annual Site inspection;

- Appendix A Figure A-1 depicting the general locations of the cover-intrusive activities and view orientations relating to the annual inspection photographs provided in the photo log.

4.2.1 Cover System Performance

As indicated in the completed site-wide inspection forms, based on observations during site inspections and review of documents provided by GMCH Plant personnel for cover-intrusive work for various Plant operations, maintenance and safety considerations during the PRR period, the cover systems, as defined in the SMP, remain intact or were appropriately restored upon completion of the work to meet the intent of the SMP.

[3] Conducted by Haley & Aldrich's subconsultant GZA GeoEnvironmental of New York and reviewed by HANY E&G.

4.2.2 Cover System Effectiveness

As indicated in the Annual PRR Site Inspection Form, GMCH has included the obligations of the Excavation Work Plan (EWP) located in Appendix C of the SMP when performing cover-intrusive work as part of the Plant excavation permit process controlled through Facilities Engineering, which provides an administrative means in maintaining the effectiveness of the cover systems.

4.2.3 Cover System Protectiveness

Appropriate monitoring and maintenance of the cover systems provides adequate and reliable protectiveness by minimizing the risks involved with exposure to contaminants or direct contact to potentially impacted soil. By integrating the SMP EWP requirements into the Plant processes, as summarized in the Appendix A Table A-1 of cover-intrusive work, Environmental Engineering personnel were able to pre-review the nature and location of the work which allowed for the appropriate; planning; monitoring; and management of materials that required handling and off-site disposal. These measures supported reducing the potential for uncontrolled exposure or releases of the remaining contamination as defined in the SMP.

4.3 SSD SYSTEM – OM&M

During the PRR period, routine monthly, triannual, and annual OM&M activities associated with the SSD System were conducted. For details relating to these activities refer to Appendix B for the Progress Report SSD System Operations 23 April 2019 through 22 April 2024. This report includes an SSD System operations summary, SSD System emissions summaries for 2020 through 2024, sub-slab vacuum influence assessment, and SSD System performance sampling laboratory analytical results for the five annual sampling events conducted between 2020 through 2024 for Buildings 7, 7A, and 8, and 15 performance sampling laboratory analytical results for triannual sampling conducted for Building 10.

As indicated in the Progress Report, the SSD Systems in Buildings 7, 7A, and 8 have demonstrated steady state operating conditions but vacuum readings in some portions of the pressure field, perimeter sub-slab vacuum monitoring points (SMPs in Buildings 7, 7A, and 8) fluctuated from at/above to below the target differential pressure of 0.002 inches water column (W.C.) based on instantaneous readings collected during the triannual monitoring events. To assess the potential effects of variable vacuum influence conditions on the effectiveness and protectiveness of the SSD systems, indoor air (IA) sampling events were conducted as indicated above. Based on the observations and data collected during the SSD System OM&M activities and review of the results of the performance sampling events, an assessment of the SSD System performance, effectiveness, and protectiveness is below.

4.3.1 Performance

The SSD systems within Buildings 7, 7A, and 8. have operated continuously during the reporting period, which meets the design objectives, with the following exceptions:

- Blower 7W-2 was off-line from 28 July 2020 due to an operational issue with blower drive shaft, operational issues observed and restarted on 12 February 2021 after the blower and motor were replaced.
- Blower 8-3 in Building 8 was temporarily off-line a total of approximately 110 hours during the period July 2019 and November 2019 based on the blower unit being off upon arrival

for the November 2019 monitoring check and a total of approximately 240 hours in May 2023 These events were potentially due to an electrical service condition at the facility or related to potential operational issues with the blower hour meters which may be under estimating blower run times.

As indicated in SSD Operations Report contained in Appendix B the Building 10 SSD system was off-line during the reporting period and indoor air samples were collected on a triannual basis during the reporting period to confirm that the indoor air concentrations of NYSDOH Matrix A and Matrix B compounds were below mitigation criteria.

4.3.2 Effectiveness

Comparison of the indoor air COC concentrations obtained during the reporting period indicates that the engineering control is effectively mitigating the potential for contaminated soil vapor intrusion into the buildings. Table 2 provides data trends and a summary of the indoor air quality sampling results collected during the reporting period for target compounds with previous monitoring results for comparison.

The estimated emission rates of the SSD System effluent for the blowers in Buildings 7,7A, and 8 were based on the on-site data collection and laboratory analysis of samples collected throughout the reporting period, in accordance with the SMP, and are presented in the SSD System Progress Report contained in Appendix B. The calculated emission rates for the SSD System fall well below the NYSDEC, Guidance on Air Emissions at Division of Environmental Remediation (DER) Sites, guidance values of less than 0.1 pounds per hour for detected A-rated chemicals (PCE, TCE, and VC) and less than 0.5 pounds per hour for B-D rated chemicals (cis 1,2-DCE).

4.3.1 Protectiveness

To determine the protectiveness of the SSD System, the results of the analysis of IA quality and process effluent samples collected during the reporting period for Buildings 7, 7A, 8 and 10 were evaluated by comparing the results to prior sampling events to determine the long-term trends and to risk-based exposure limits to Site COCs. Direct comparison of the analytical results for the IA samples indicates that the concentration of target COCs detected at the same locations within the buildings during each sampling event are consistent with previous results and are generally stable or declining IA concentrations where mitigation is required.

Results of the triannual (three times per year) IA quality sampling in Building 10 were below the mitigation criteria even though historical sub-slab vapor concentrations were elevated at one sampling location.

4.4 IC/EC CERTIFICATION

For each institutional or engineering control identified for the Site, I certify[4] that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment[5];
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective (see footnote 5 below);
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program;
- The information presented in this report is accurate and complete;
- No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid; and
- The assumptions made in the qualitative exposure assessment remain valid.

[4] Certify defined as the use of professional judgment in developing opinions and conclusions pertaining to information gathered and data collected by GMCH, HANY E&G and / or HANY E&G's subconsultant GZA GeoEnvironmental of New York as presented in this Periodic Review Report for the reporting period 23 April 2019 – 22 April 2024.

[5] Based on the current operational status of SSD System in Building 10, periodic indoor air samples have been collected to assess indoor air quality relative to NYSDOH criteria for Matrix A and B compounds which have remained below mitigation criteria.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Edmund Quinn Lewis, P.E. of H & A of New York Engineering and Geology, LLP, am certifying as Owner's Designated Site Representative for the Site.

Edmund Quinn Lewis, P.E.
Senior Project Manager
H & A of New York Engineering and Geology, LLP
Date: 24 JUNE 2024

The completed NYSDEC PRR Institutional and Engineering Controls Certification Form is contained in Appendix D.

5. Overall PRR Conclusions and Recommendations

5.1 COMPLIANCE WITH SMP

Based on review of the data collected and documentation relative to the operations, maintenance, and monitoring activities associated with the Cover Maintenance-Enhanced Biodegradation-Sub-Slab Depressurization remedy during the PRR period, these activities were conducted in accordance with the SMP (November 2016).

5.2 RECOMMENDATIONS

5.2.1 Proposed Revisions to the SMP

1) Section 1.3 Table 1: Notifications

- *GMCH Site Contact* - from Cynthia Tudor-Schultz to Casey Essary, Environmental Supervisor – NY Region, GMCH Tonawanda Facility
  Phone: (716) 867-2530, email: casey.essary@gm.com

- *GMCH Site Alternate Contact* - from James F. Hartnett to Merrick Alexander Remediation Project Engineer,
  Phone: (905)744-4203, email: Merrick.alexander@gm.com

5.2.2 Cover System Monitoring

No changes to the current SMP requirements relative to the cover system monitoring are recommended.

5.2.3 Enhanced Biodegradation

No changes to the current annual Site-wide groundwater sampling program, as defined in the SMP, are recommended.

5.2.4 SSD System OM&M

Continued SSD System operations, maintenance, and monitoring activities as defined in the SSD System OM&M Plan contained in Appendix F of the SMP is recommended for Buildings 7, 7A, and 8.

As initially indicated in PRR No. 2 (Haley & Aldrich 2019) Section 1.4.5, GMCH proposes to convert the Building 10 SSD system to a passive venting system (PVS). As summarized in Table 2 – Summary of Indoor Air Sampling Results of this PRR, comparison of the results from the 17 April 2019 indoor air (IA) sampling conducted in Building 10 when the SSD blower system was off-line, to the March 2017 and March 2018 IA sampling results, when the blower system was operational, suggests that operation of the SSD system may have negligible effectiveness relative to IA quality based on the decreasing concentration trends for cis-1,2-DCE, carbon tetrachloride, and TCE. Additionally, the triannual (three times per year) IA sampling results from the March 2018 through March 2024 indicate similar trends, and all IA results are below NYSDOH mitigation criteria.

Therefore, GMCH proposes to convert the Building 10 SSD to a passive venting system (PVS). The main components of this conversion would include;

- installation of a wind turbine type ventilator at the existing SSD system discharge stack located at the Building 10 roof area which would serve as the driving force and supplement convective flow;

- utilize the existing SSD piping network including the sub-slab trench legs which serve as vapor collection measures; and

- installation of piping to bypass the existing SSD blower system which is currently off-line due to operational issues.

Pending NYSDEC approval, the proposed SSD to PVS modification could be completed within six months of approval. To assess PVS performance, GMCH proposes to conduct monthly vacuum measurements at the PVS piping to confirm a negative pressure within the piping and continue triannual IA sampling at the same locations, 10-IA-1 and 10-IA-2. The IA results would allow for assessment of the PVS performance and evaluation of the effectiveness and protectiveness.

As a contingency measure, should either three (3) consecutive IA analytical results indicate increasing trends or if one (1) of the IA analytical results indicates target site COC concentrations above 1 µg/M^3 for IA Matrix A compounds cis-1,2-DCE, carbon tetrachloride, and TCE, or 10 µg/M^3 for IA Matrix B compound PCE, then a confirmation sample would be collected within 2-weeks of receipt of the validated analytical report for the quarterly event. If the confirmation sample validates the trends of the previous sampling event, then GMCH would be prepared to reactivate the Building 10 system to SSD operations.

5.3 FUTURE PRR SUBMITTALS

Future PRRs will be submitted upon request from the NYSDEC.

References

1. New York State Department of Environmental Conservation, (2014) Brownfield Cleanup Agreement, dated 14 June 2014 Consolidated Site #932138, Buildings 7, 8 and 10.

2. New York State Department of Environmental Conservation, (2016). GM Components Holdings, LLC, Site ID No. C932138, Lockport, Niagara County, Remedial Work Plan Approval and Decision Document, 14 June 2016.

3. Haley & Aldrich of New York, (2016). "Site Management Plan - NYSDEC Site No. C932138, GM Components Holdings, LLC 200 Upper Mountain Road Lockport, New York", November 2016.

4. Haley & Aldrich of New York, (2016). "Final Engineering Report - NYSDEC Site No. C932138, GM Components Holdings, LLC 200 Upper Mountain Road Lockport, New York", December 2016.

5. GZA GeoEnvironmental of New York (2017). "Results of May 2017 Groundwater Sampling, BCP Site #C932138, GM Components Holdings, LLC 200 Upper Mountain Road Lockport, New York", September 2017.

6. New York State Department of Environmental Conservation (NYSDEC), Division of Water Technical and Operational Guidance (TOGS) Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations – June 1998.

7. NYSDEC, Division of Air Resources - Guidance on Air Emissions at Division of Environmental Remediation Sites – June 2015.

8. NYSDEC, Division of Air Resources – DAR-1 Guidelines for the Evaluation and Control of Ambient Air Contaminants Under Part 212 – August 2016.

9. Haley & Aldrich of New York, (2018). "Site Management Periodic Review Report and IC/EC Certification Submittal – Number 1, Reporting Period: 22 December 2016 – 22 April 2018, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York" May 2018.

10. Haley & Aldrich of New York, (2019). "Site Management Periodic Review Report and IC/EC Certification Submittal – Number 2, Reporting Period: 23 April 2018 – 22 April 2019, BCP Site #C932138, GM Components Holdings, LLC, 200 Upper Mountain Road, Lockport, New York" June 2019.

11. GZA GeoEnvironmental of New York (2018). "May 2018 Groundwater Sampling Report, BCP Site #C932138, GM Components Holdings, LLC 200 Upper Mountain Road Lockport, New York", May 2019.

12. NYSDOH, Guidance for Evaluating Vapor Intrusion in New York State, October 2006.

13. USEPA OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, Publication 9200.2-154 - June 2015.

14. ITRC Technical and Regulatory Guidance, Vapor Intrusion Pathway: A Practical Guideline VI-1 – January 2007

TABLES

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location / Sample Date	Class GA Criteria	BUILDING 7 AREA WELLS																					
		MW-7-1R 5/24/2019	Q	MW-7-2 5/23/2019	Q	MW-7-3 5/24/2019	Q	MW-7-4 5/24/2019	Q	MW-7-5 5/28/2019	Q	MW-7-6 5/28/2019	Q	MW-7-7 5/28/2019	Q	MW-7-8 5/31/2019	Q	MW-7-A-6 5/28/2019	Q	MW-7-C-2 5/28/2019	Q	MW-7-P-1 5/31/2019	Q
VOC Compounds of Concern (ug/L)																							
cis-1,2-Dichloroethene	5	2	U	1.0	U	4	U	1.0	U	350		530		41,000		930		160,000		390		1.0	U
Tetrachloroethene	5	2	U	1	U	4	U	1	U	3,200		670		54,000		50		1,400	J	10	U	1.0	U
trans-1,2-dichloroethene	5	2	U	1	U	4	U	1	U	100	U	10	U	500	U	20	U	2000	U	10	U	2.2	
Trichloroethene	5	2	U	0.86	J	1.9	J	0.61	J	440		320		19,000		30		1,500	J	10	U	1.0	U
Vinyl Chloride	2	2	U	1	U	4	U	1	U	100	U	9.9	J	6,200		390	J	18,000		22		1.8	
Total VOCs		ND		0.86		1.9		0.61		3,990		1,530		120,200		1,400		180,900		412		4	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																							
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																							
Temperature (Deg. C)	NV	13.1		11.3		13		7.4		11.9		10.7		11.1		11.20		13.8		12.0		20.3	
Specific Conductance (mS/cm)	NV	6.857		0.827		22.334		1.932		8.494		14.337		12.212		12.113		3.501		2.166		16.773	
Dissolved Oxygen (mg/L)	NV	-0.14		0.51		-0.13		3.15		0.23		0.18		0.21		0.99		0.29		-0.25		0.04	
Oxygen Reduction Potential (mv)	NV	155.6		183.3		20.6		178		180.7		131.8		-308.2		-66.2		-230.9		-50.7		-70.5	
pH (std. units)	NV	7		7.48		6.82		7.4		7.08		7.09		6.95		7.29		6.64		6.45		6.54	
Turbidity (NTUs)	NV	1.93		3.5		7.2		7.21		17.12		3.12		1.19		42.8		13.12		1.92		1.96	
Inorganics (mg/L)																							
Iron	0.3	0.14		0.05	U	5.6		0.05	U	1.5		0.36		0.063		43.2		12.1		1.1		92.0	
Magnesium	35 [Note 4]	110		27.9		166		34.4		113		87.4		251		203		101		95.8		403	
Manganese	NV	0.32		0.0013	J	0.32		0.0011	J	0.90		0.20		0.047		1.2		1.4		0.30		5.6	
Potassium	NV	6.3		0.89		34.1		2.1		6.9		10.8		42.0		54.8		3.0		7.4		41.7	
Sodium	20	872		52.2		4,180		222		1,690		2,770		1,590		1,780		231		143		157	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	9.3		4.00	U	260		4.00	U	3.9	J	81		890		5.4		2,800		190		320	
Ethane (ug/L)	NV	7.5	U	7.5	U	7.6		7.5	U	7.5	U	7.5	U	660	U	2.8		170	U	7.5	U	2.2	
Ethene (ug/L)	NV	7	U	7	U	7	U	7	U	7	U	7	U	440	J	0.59		2,800		7.0	U	0.41	U
Carbon Dioxide (ug/L)	NV	73,000		27,000		96,000		26,000		88,000		45,000		76,000		26,000		300,000		46,000		130,000	
Total Organic Carbon (mg/L)	NV	1.9	J	0.74	J	3.1	J	1.5	J	6.1		1.4		10.3		1.7		42		1.3		7.4	
Alkalinity (mg/L)	NV	330		282		359		315		393		307		320		58.0		492		283		206	
Ammonia (mg/L)	NV	0.02	UJ	0.020	UJ	2.4	J	0.020	UJ	0.025	J	0.020	UJ	3.2	J	0.85	J	0.020	UJ	0.37	J	152	J
Chloride (mg/L)	NV	2,120		98.7		7,790		406		3,470		4,620		3,820		3,830		603		216		3,390	
Nitrate (mg/L)	NV	0.045	J	0.022	J	0.042	J	0.058		1.7		0.052		0.050	U	0.020	J	0.035	J	0.050	U	0.050	U
Nitrite (mg/L)	NV	0.05	U	0.050	U	0.050	U	0.050	U	0.021	J	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Sulfate (mg/L)	NV	78.800		14.8		584		32.8		80.7	J	70.3	J	243		64.7	J	20.0	U	581		100	U
Sulfide (mg/L)	NV	1	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	16.8		1.0	U	2.4		1.0	U	1.0	U

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica in Amherst, New York.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits. E = Results exceeded calibration range. F1 = MS and/or MSD Recovery is outside acceptance limits. F2 = MS/MSD RPD exceeds control limits. ^ = Instrument related quality control is outside of acceptable range.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value, NT = not tested. ND= Not Detected
9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location		BUILDING 8 AREA WELLS																							
Sample Date	Class GA Criteria	MW-6-1 5/21/2019	Q	MW-6-2 5/21/2019	Q	MW-6-F-8 5/14/2019	Q	MW-8-1 5/30/2019	Q	MW-8-2 5/30/2019	Q	MW-8-3 5/31/2019	Q	MW-8-4 5/14/2019	Q	MW-8-003-B 5/29/2019	Q	MW-9-101A 5/23/2019	Q	MW-9-12 5/30/2019	Q	TK-6 5/23/2019	Q	BLDG-10-MW-1 5/31/2019	Q	MW-10-2 5/29/2019	Q	MW-10-3 5/29/2019	Q
VOC Compounds of Concern (ug/L)																													
cis-1,2-Dichloroethene	5	1.0	U	1.0	U	2.0	U	0.87	J	3,300		3.1		48		150		2.0	U	1.0	U	1.0	U	2000	U	6.8		3.6	
Tetrachloroethene	5	1	U	1.0	U	2.0	U	1.0	U	40	U	0.91	J	2.0	U	410		2.0	U	1.0	U	1.0	U	160,000		4.0	U	3.1	
trans-1,2-dichloroethene	5	1	U	1.0	U	2.0	U	1.0	U	40	U	2.0	U	2.0	U	5.0	U	2.0	U	1.0	U	1.0	U	2000	U	7.7		1.0	U
Trichloroethene	5	1	U	0.7	J	2.0	U	1.0	U	40	U	1.0	J	8.1		58		2.0	U	1.0	U	1.0	U	4,100		4.0	U	4.5	
Vinyl Chloride	2	1	U	1.0	U	2.0	U	1.0	U	58		2.0	U	12		5.0	U	2.0	U	1.0	U	1.0	U	2000	U	15		1.0	U
Total VOCs		ND		0.68		ND		0.87		3,358		5		68		618		ND		ND		ND		164,100		30		11	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																													
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND		NT		NT		NT		NT	
Field Parameters																													
Temperature (Deg. C)	NV	11.8		11.4		10.9		14.3		18.2		19.5		11.3		12.7		13.3		12.8		13.7		18.9		12.4		11.8	
Specific Conductance (mS/cm)	NV	2.817		3.223		13.348		5.731		1.77		7.323		22.153		15.395		9.449		3.742		5.662		2.867		8.715		1.672	
Dissolved Oxygen (mg/L)	NV	-0.3		0.32		-0.19		-0.23		2.94		1.21		0.36		1.77		2.28		0.45		6.42		0.03		-0.23		1.51	
Oxygen Reduction Potential (mv)	NV	-47.7		185.8		208.1		-214.8		26.4		-5.6		148.7		88.4		217.2		-25.7		208.9		-10.2		-171.2		97.4	
pH (std. units)	NV	7.05		7.35		6.88		7.11		7.82		7.25		7.02		7.76		7.12		7.50		7.29		7.04		7.51		7.7	
Turbidity (NTUs)	NV	5.21		1.3		2.33		2.12		0.95		15.25		2.67		10.12		1.82		2.97		1		5.04		4.55		0.57	
Inorganics (mg/L)																													
Iron	0.3	11.4		0.023	J	0.057		0.086		0.054		0.17		0.52		0.88		0.039	J	0.17		0.050	U	1.4		0.51		0.050	U
Magnesium	35 [Note 4]	40.5		34		199		120		34.5		70.8		166		35.8		176		27.0		75.2		108		60.9		30.7	
Manganese	NV	2		0.024		0.32		0.10		0.0070		9.1		0.43		1.9		0.013		0.47		0.0017	J	0.56		0.20		0.0030	U
Potassium	NV	2.1		5.6		6.5		20.2		14.6		579		27.8		8.3		18.9		4.6		1.5		5.7		9.7		7.9	
Sodium	20	361		520		2,150		671		234		431		4,270		3,450		1,110		611		809		145		1,490		182	
Miscellaneous Water Quality Parameters																													
Methane (ug/L)	NV	46.0		4	U	1.5	J	190		84		8.3		42		4.0	U	4.0	U	4.0	U	4.0	U	0.43		5,300		4.0	U
Ethane (ug/L)	NV	<1.5		7.5	U	7.5	U	83	U	7.5	U	1.9	J	7.5	U	7.5	U	7.5	U	7.5	U	7.5	U	0.44	U	330	U	7.5	U
Ethene (ug/L)	NV	<1.5		7	U	7	U	77	U	7.0	U	4.5	U	7.0	U	7.0	U	7.0	U	7.0	U	7.0	U	0.14	J	400		7.0	U
Carbon Dioxide (ug/L)	NV	110,000	F1	48,000		70,000		61,000		19,000		120,000		21,000		8,200		28,000		15,000		34,000		86,000		27,000		11,000	
Total Organic Carbon (mg/L)	NV	4.3		2.5		1.2		2.1		2.3		9.7		1.5		1.3		3.0	J	2.1		0.51	J	5.8		3.2		1.1	
Alkalinity (mg/L)	NV	404		411		331		290		321		312		156		203		191		212		304		297		305		165	
Ammonia (mg/L)	NV	0.41		0.02	U	0.02	UJ	1.0	J	0.14	J	3.9		0.028	J	0.017	J	0.020	UJ	0.020	UJ	0.033	J	0.19	J	0.26	J	0.020	UJ
Chloride (mg/L)	NV	690		772		4,120		1,390		281		2,100		7,730		5,000		2,270		1,040		1,650		648		2,380		238	
Nitrate (mg/L)	NV	0.02	J	0.056		0.14		0.050	U	0.57		0.14		0.12		0.95		9.8		0.044	J	0.80		0.050	U	0.050	U	0.85	
Nitrite (mg/L)	NV	0.05	U	0.05	U	0.05	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Sulfate (mg/L)	NV	39.5		100	U	206		767		153		14.0	J	239		155		1,370		63.8		163		227		104		165	
Sulfide (mg/L)	NV	<0.67		1	U	1	U	4.4		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1	U	3.2		1.0	U

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica in Amherst, New York.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; * - LCS or LCSD exceeds the control limits. E = Results exceeded calibration range. F1 = MS and/or MSD Recovery is outside acceptance limits. F2 = MS/MSD RPD exceeds control limits. ^ = Instrument related quality control is outside of acceptable range.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value, NT = not tested.
9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location	Class GA	BUILDING 7 AREA WELLS																					
Sample Date	Criteria	MW-7-1R 7/2/2020	Q	MW-7-2 6/30/2020	Q	MW-7-3 6/30/2020	Q	MW-7-4 7/1/2020	Q	MW-7-5 7/9/2020	Q	MW-7-6 7/7/2020	Q	MW-7-7 7/7/2020	Q	MW-7-8 7/9/2020	Q	MW-7-A-6 7/7/2020	Q	MW-7-C-2 7/9/2020	Q	MW-7-P-1 7/13/2020	Q
VOC Compounds of Concern (ug/L)																							
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		5.6		480		54,000		ND		62,000		220		1.2	
Tetrachloroethene	5	ND		ND		ND		ND		48		560		68,000		ND		ND		ND		ND	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		ND	U	ND		ND		ND		ND		ND		2.8	
Trichloroethene	5	ND		ND		ND		ND		7.4		260		6,800		ND		ND		ND		ND	
Vinyl Chloride	2	ND		ND		1.8	J	ND		ND	U	11		9,600		ND		18,000		28		1.7	
Total VOCs		ND		ND		1.8		ND		61		1,311		138,400		ND		80,000		248		5.7	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																							
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																							
Temperature (Deg. C)	NV	18		14.4		17		14.2		21.3		17.5		16.8		17.00		19.9		18.3		21.1	
Specific Conductance (mS/cm)	NV	7.7		0.908		24.178		1.622		0.974		16.271		12.787		13.487		4.675		1.855		16.897	
Dissolved Oxygen (mg/L)	NV	0.39		0.75		0.46		5.51		5.19		0		0.31		1.40		0.3		0.43		0.45	
Oxygen Reduction Potential (mv)	NV	51.9		110.9		-38.1		152.2		85.3		0.41		-318.2		-18.1		-290		-165.1		-123.7	
pH (std. units)	NV	7.18		7.26		6.96		7.13		7.73		7.13		6.84		6.52		6.79		7.38		6.55	
Turbidity (NTUs)	NV	6.86		1.07		5.93		1.24		37.61		3.9		15.51		19.96		4.04		2.94		1.04	
Inorganics (mg/L)																							
Iron	0.3	0.094		0.028	J	5.5		0.25		1.1	^	0.12		0.049	J	14.8	^	11.6		2.0	^	66.3	
Magnesium	35 [Note 4]	134		34.5		148		35.3		187		71.2		231		201		120		74.2		251	
Manganese	NV	0.51	B	0.012		0.42		0.012	B	1.60	^	0.18		0.051		0.94	^	1.8		0.15	^	3.5	
Potassium	NV	6.3		1.00		30.9		2.3		16.4	B	10.8		43.6		52.7	B	3.2		7.8	B	30.1	
Sodium	20	969		51.6		4,710		130		3,220		2,300	B	1,650	B	2,060	^	462	B	135	^	159	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	28.0		ND		330		ND		ND		240		900		94.0		2,500		460		6,300	
Ethane (ug/L)	NV	ND		ND		ND		ND		ND		5.6	J	40	J	1.0		ND		ND		ND	
Ethene (ug/L)	NV	ND		ND		ND		ND		ND		ND		1300		8.0		2,300		ND		ND	
Carbon Dioxide (ug/L)	NV	66,000		35,000		87,000		36,000		26,000		35,000		76,000		37,000		170,000		23,000		100,000	
Total Organic Carbon (mg/L)	NV	1.5		1.7		3	J	1.2		11.3		2		17.3		1.3		13.4		1.5		6	
Alkalinity (mg/L)	NV	316		347	F1 ^	382		376	F1	372	F1	300		316	F1	83.2		474		235		199	
Ammonia (mg/L)	NV	ND		ND	F1	1.6		ND		ND		ND		3.5		0.84		0.053		0.37		200	
Chloride (mg/L)	NV	2,380		87.7		8,250		264		98		4,990		4,030		4,580		1130		189		2,980	
Nitrate (mg/L)	NV	ND		0.022	J	ND		0.042	J	2.3		0.16		ND		0.074		0.058		ND		ND	
Nitrite (mg/L)	NV	ND		ND		ND		ND		0.11		ND		ND		0.026	J	0.026	J	ND		ND	
Sulfate (mg/L)	NV	123.0		20.3		715		53.7		10.9		238		432		205		47.5		477		ND	
Sulfide (mg/L)	NV	ND		ND		ND		ND		ND		ND		17.6		ND		1.6		ND		ND	

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
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6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value, NT = not tested. ND= Not Detected
9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location		BUILDING 8 AREA WELLS																							
Sample Date	Class GA Criteria	MW-6-1 6/29/2020	Q	MW-6-2 6/26/2020	Q	MW-6-F-8 6/29/2020	Q	MW-8-1 7/10/2020	Q	MW-8-2 7/10/2020	Q	MW-8-3 7/10/2020	Q	MW-8-4 7/2/2020	Q	MW-8-003-B 7/10/2020	Q	MW-9-101A 7/13/2020	Q	MW-9-12 7/13/2020	Q	TK-6 7/6/2020	Q	BLDG-10-MW-1 7/13/2020	Q	MW-10-2 7/6/2020	Q	MW-10-3 7/6/2020	Q
VOC Compounds of Concern (ug/L)																													
cis-1,2-Dichloroethene	5	ND		ND		ND		0.84	J	4,500		ND		60		ND		ND		ND		ND		ND		140.0		1.2	
Tetrachloroethene	5	ND		ND		ND		ND		ND		ND		ND		1700	J	ND		ND		ND		170,000		ND		3	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		12		ND		ND		ND		ND		ND		ND	F1, F2	ND		6.5		ND	
Trichloroethene	5	ND		ND		ND		ND		11		ND		9.5		ND		ND		ND		ND		5,200		1.0	J	3.5	
Vinyl Chloride	2	ND		ND		ND		ND		480		ND		17		ND		ND		ND		ND		ND		98		ND	
Total VOCs		ND		ND		ND		0.84		4,980		ND		86.5		1,700		ND		ND		ND		175,200		245		8	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																													
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND		NT		NT		NT		NT	
Field Parameters																													
Temperature (Deg. C)	NV	15.5		13.5		17.9		16.1		19		20.4		17.3		20.4		21.8		14.8		13.7		20.2		18.7		17.4	
Specific Conductance (mS/cm)	NV	4.033		4.093		12.633		5.713		2.029		7.903		13.163		16.385		12.938		3.826		20.400		2.823		8.693		1.722	
Dissolved Oxygen (mg/L)	NV	-0.11		-0.18		-0.02		0.36		0.39		2.36		0.39		0.57		2.48		0.47		1.56		0.49		0.28		0.99	
Oxygen Reduction Potential (mv)	NV	-88.1		78.1		75.7		-239.6		-147.2		-31		-21.6		144.7		156.4		70.7		125		-57.8		-295.9		104.1	
pH (std. units)	NV	11.81		12.66		11.61		7.07		7.42		6.95		7.56		7.54		6.87		7.47		7.27		7.12		7.37		7.62	
Turbidity (NTUs)	NV	7.22		10.21		3.52		4.14		1.03		11.6		2.5		5.81		1.15		1.9		12.07		1.42		2.27		0.99	
Inorganics (mg/L)																													
Iron	0.3	8.6		0.13		0.034	J	0.06		0.035	J	2.3		0.47		0.25		ND		0.18		ND		1.3		0.56		ND	
Magnesium	35 Note 4	55.1		56		159		120		45.4		60.3		73.5		24.0		145		31.8		28.3		101		57.8		29.4	
Manganese	NV	1.3		0.33		0.28		0.11		0.0290		7.9		0.6	B	0.99		0.21		0.33		0.001	J B	0.62		0.24	B	0.0010	J B
Potassium	NV	2.5		4.8		6.2		20.9	^ B	15.5	B	483	B	13.6		6.5		32.4		5.2		0.82		5.1		8.3		7.9	
Sodium	20	456		831		2,160		652		237		359		2,480		3,150		2,000		617		644		133		1,550		169	
Miscellaneous Water Quality Parameters																													
Methane (ug/L)	NV	5.2		ND		ND		120		190		330		280		ND		ND		11.0		ND		4.6		3,200		ND	
Ethane (ug/L)	NV	ND		ND		ND		12		2.4	J	ND		ND		ND		ND		ND		ND		ND		140	U	ND	
Ethene (ug/L)	NV	ND		ND		ND		ND		2.4	J	ND		ND		ND		ND		ND		ND		ND		310		ND	
Carbon Dioxide (ug/L)	NV	120,000		63,000		64,000		52,000		24,000		96,000		23,000		14,000		38,000		27,000		24,000		79,000		26,000		13,000	
Total Organic Carbon (mg/L)	NV	4		2.5		1.2		1.0		1.5		10.4		2.2		2		3.3		1.3		1.7		3.9		4.6		1.2	
Alkalinity (mg/L)	NV	438		406		363	F1	302		322		322		269		285		239		319		385		302		346		181	
Ammonia (mg/L)	NV	0.2	B	ND	F1	ND		1.2		0.49		5.2		0.051		0.075		ND		0.018	J	ND	F1	0.20		0.27		0.037	
Chloride (mg/L)	NV	966		1,290		4,050		1,380	^	383	^	2,000	^	4,140		5,270		3,920		1,020		843		614		2,410		198	
Nitrate (mg/L)	NV	0.076		0.100		0.15		ND		0.2		0.09		ND		0.41		1.3		0.36		0.43		ND		ND		0.54	
Nitrite (mg/L)	NV	ND		0.028	J	0.02	J	0.023	J B	0.100	B F1	ND		ND		ND		1.3		0.36		ND		ND		ND		ND	
Sulfate (mg/L)	NV	49.8		110		359		822		160		56.9		369		194		1,290		136.0		183		255		165		171	
Sulfide (mg/L)	NV	ND		ND		ND		5.6		ND		ND		ND		ND		ND		ND		ND		ND	U	9.2		ND	

Notes:

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4. Criteria is a guidance value.
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6. mg/L = parts per million; ug/L = parts per billion
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8. NV = no value, NT = not tested.
9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 7 AREA WELLS MW-7-1R 8/23/2021	Q	MW-7-2 8/23/2021	Q	MW-7-3 8/23/2021	Q	MW-7-4 8/24/2021	Q	MW-7-5 8/23/2021	Q	MW-7-6 8/24/2021	Q	MW-7-7 8/27/2021	Q	MW-7-8 8/26/2021	Q	MW-7-A-6 8/27/2021	Q	MW-7-C-2 8/25/2021	Q	MW-7-P-1 9/1/2021	Q
VOC Compounds of Concern (ug/L)																							
cis-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	730.0		690		39,000		410		90,000		310	F1	1.7	
Tetrachloroethene	5	ND	U	ND	U	ND	U	ND	U	6,500		580		67,000		670		15,000		ND	U	ND	U
trans-1,2-dichloroethene	5	ND	U	ND	U	ND	U	ND	U	12		ND	U	ND	U	ND	U	ND	U	ND	U	1.5	
Trichloroethene	5	ND	U	ND	U	ND	U	2.2		990.0		340		5,300		300		3,200		ND	U	0.46	J
Vinyl Chloride	2	ND	U	ND	U	ND	U	ND	U	5.4		ND	U	8,400		180		20,000		44		1.6	
Total VOCs		ND		ND		ND		2.2		8,237.4		1,610		119,700		1,560		128,200		354		5.3	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																							
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																							
Temperature (Deg. C)	NV	21.2		20.6		21.7		16.4		22.6		20.9		17.8		19.70		21.5		17.7		22.5	
Specific Conductance (mS/cm)	NV	8.824		1.237		23.77		1.984		1.085		16.979		11.681		12.726		6.438		1.788		12.578	
Dissolved Oxygen (mg/L)	NV	0.23		1.1		0.29		4.18		0.28		0.36		0.24		0.27		0.3		0.31		0.4	
Oxygen Reduction Potential (mv)	NV	73.4		49.1		-30.8		136.8		-101.6		82.5		-310.3		-160.2		-145.1		-103.9		-99.8	
pH (std. units)	NV	6.72		7.26		6.72		7.05		7.22		6.96		6.84		6.96		6.74		7.14		6.85	
Turbidity (NTUs)	NV	35.09		16.46		23.63		22.43		10.31		3.87		6.28		61.22		5.45		3.66		8.54	
Inorganics (mg/L)																							
Iron	0.3	0.17		0.043	J	7.3		0.02	J	1.3		0.1	U	0.069		19.2		15		0.31		45.2	
Magnesium	35 [Note 4]	156		35.3		142		40.2		101		90.1		191		183		153		79.9		203	
Manganese	NV	0.76		0.0059		0.48		0.0037	U	1.20		0.30		0.042		0.7		2.1		0.12		2.9	
Potassium	NV	7.2		1.20		27.7		3.0		8.2		13.4		43.7		48.5		4.0		7.2		23.4	
Sodium	20	1090		109		4,920		257		2,320		3,180		1,710		2,240		649		119		198	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	24.0	J	ND	U	130	J	ND	U	13.0		170		840		6.5		1,600		1,000		4,600	
Ethane (ug/L)	NV	ND	U	ND	U	ND	U	ND	U	ND	U	5.3	J	32	J	6.5	J	72	J	ND	U	ND	U
Ethene (ug/L)	NV	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	610		2.3	J	5,700		5.3	J	ND	U
Carbon Dioxide (ug/L)	NV	59,000		31,000		83,000		30,000		66,000		38,000		71,000		21,000		210,000		25,000		100,000	
Total Organic Carbon (mg/L)	NV	1.5		1.5		3.8		1		5.1		2.4		11.6		1.6		12.9		0.92	J	5.5	
Alkalinity (mg/L)	NV	309	J	322	J	407	J	358	J	375	J	306	J	303	J	135.0	J	447	J	261	J	266	
Ammonia (mg/L)	NV	0.025	J	ND	U	1.1	J	ND	UJ	0.068	J	0.071	J	3.3	J	0.41	J	0.083	J	0.31	J	131	J
Chloride (mg/L)	NV	2,560		195		8,760		413		5,990		5,890		3,770		4,960		1630		165		2,350	
Nitrate (mg/L)	NV	0.020	J	0.038	J	0.044	J	0.026	U	1.0		0.043	J	0.030	J	ND	U	0.083		ND	U	ND	
Nitrite (mg/L)	NV	ND	U	ND	U	ND	U	0.030	U	0.068		ND	U	ND	U	ND	U	ND	UJ	ND	U	ND	
Sulfate (mg/L)	NV	114.0		24.8		681		59.3		382		278		420		189		79.8		529		24.4	J
Sulfide (mg/L)	NV	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	8.8		ND	U	ND	UJ	ND	U	ND	U

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
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3. Analytical testing completed by TestAmerica in Amherst, New York.
4. Criteria is a guidance value.
5. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; *+ - LCS and/or LCSD is outside acceptance limits, high biased.
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
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9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 8 AREA WELLS MW-6-1 8/24/2021	Q	MW-6-2 8/24/2021	Q	MW-6-F-8 8/26/2021	Q	MW-8-1 8/30/2021	Q	MW-8-2 8/30/2021	Q	MW-8-3 8/30/2021	Q	MW-8-4 8/25/2021	Q	MW-8-003-B 8/26/2021	Q
VOC Compounds of Concern (ug/L)																	
cis-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	0.85	J	7,500		6.2		67		1300	
Tetrachloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	2300	
trans-1,2-dichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U	ND	U
Trichloroethene	5	ND	U	ND	U	ND	U	ND	U	ND	U	1.3	J	12		550	
Vinyl Chloride	2	ND	U	ND	U	ND	U	ND	U	930		14.0		29		170.0	
Total VOCs		ND		ND		ND		0.85		8,430		21.5		108.0		4,320	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																	
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																	
Temperature (Deg. C)	NV	18.6		18		21.7		18.2		20.6		21.3		22.3		22.8	
Specific Conductance (mS/cm)	NV	4.329		4.01		8.098		5.538		2.196		6.657		9.25		11.873	
Dissolved Oxygen (mg/L)	NV	0.27		0.32		0.33		0.28		0.33		1.72		0.32		0.33	
Oxygen Reduction Potential (mv)	NV	-88		-8.9		115.9		-296.2		-176.4		-82.6		-18.1		55.7	
pH (std. units)	NV	6.92		7.14		7.05		7.14		7.38		7.18		7.4		7.7	
Turbidity (NTUs)	NV	17.01		3.85		5.88		4.3		4.46		7.77		4.2		2.27	
Inorganics (mg/L)																	
Iron	0.3	19.9		0.079	U	0.036	J	0.034	J	0.620		0.25		0.27		0.056	
Magnesium	35 [Note 4]	63.4		48.5		97.4		118		58		55.6		51.3		12.3	
Manganese	NV	3.9		0.43		0.2		0.11		0.025		7.7		0.27		0.15	
Potassium	NV	4.2		5.2		4.1		19.5		16.6		386		11.3		5.8	
Sodium	20	561		616		1,460		633		237		327		1,810		2,400	
Miscellaneous Water Quality Parameters																	
Methane (ug/L)	NV	110.0		ND	U	ND	U	160		380		83		500		8.9	
Ethane (ug/L)	NV	ND	U	ND	U	ND	U	16		7.7		13		ND	U	ND	U
Ethene (ug/L)	NV	ND	U	ND	U	ND	U	ND	U	8.1		ND	U	ND	U	13.0	
Carbon Dioxide (ug/L)	NV	100,000		40,000		54,000		45,000		34,000		100,000		25,000		9,500	
Total Organic Carbon (mg/L)	NV	6.2		2.2		1.3		0.89	J	1.4		9.4		2.8		2.6	
Alkalinity (mg/L)	NV	455	J	406	J	412	J	288	J	320	J	324		319	J	300	J
Ammonia (mg/L)	NV	1.1	J	ND	U	ND	UJ	1.1		0.82		4.7	J	0.065	J	0.13	J
Chloride (mg/L)	NV	1,090		1,210		2,340		1,370		489		1,860		2,970		3,460	
Nitrate (mg/L)	NV	0.032	J	0.024	J	0.076	U	ND	U	0.026	J	0.024	J	ND	U	0.039	U
Nitrite (mg/L)	NV	0.027	J	ND	J	0.034	U	ND	U	ND	U	0.023	J	ND	U	0.042	U
Sulfate (mg/L)	NV	39.4		93.7		299		835		157		35.3	J	329		142	
Sulfide (mg/L)	NV	ND	U	ND	U	ND	U	6		0.8	J	ND	U	ND	U	ND	U

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. "<" indicates compound was not detected above the method detection limit.
3. Analytical testing completed by TestAmerica in Amherst, New York.
4. Criteria is a guidance value.
5. Validation qualifiers: J = Estimated concentration; U = Not detected at the associated reporting limit; UJ = Not detected, associated reporting limit is estimated
6. mg/L = parts per million; ug/L = parts per billion
7. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
8. NV = no value, NT = not tested.
9. Shaded concentrations exceed Class GA criteria.
10. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Site
Buildings 7, 8 10
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 10 AREA WELLS MW-9-101A 8/31/2021	Q	MW-9-12 8/31/2021	Q	TK-6 8/30/2021	Q	BLDG-10-MW-1 9/1/2021	Q	MW-10-2 9/1/2021	Q	MW-10-3 8/27/2021	Q
VOC Compounds of Concern (ug/L)													
cis-1,2-Dichloroethene	5	ND	U	ND	U	ND	U	ND	U	19.0		12	
Tetrachloroethene	5	ND	U	ND	U	ND	U	140,000		ND	U	13	
trans-1,2-dichloroethene	5	ND	U	ND	U	ND	U	ND	U	4.6		ND	U
Trichloroethene	5	ND	U	ND	U	ND	U	4,100		ND	U	12.0	
Vinyl Chloride	2	ND	U	ND	U	ND	U	ND	U	33		ND	U
Total VOCs		ND		ND		ND		144,100		57		37	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)													
16 PAHs analyzed		ND		ND		NT		NT		NT		NT	
Field Parameters													
Temperature (Deg. C)	NV	20.7		16.4		22.2		21.2		20.2		20.3	
Specific Conductance (mS/cm)	NV	11.671		3.763		3.905		2.674		7.381		1.341	
Dissolved Oxygen (mg/L)	NV	0.32		0.29		2.44		0.33		0.25		0.63	
Oxygen Reduction Potential (mv)	NV	144.3		-30.8		59		-20.9		-161.8		7.3	
pH (std. units)	NV	7.17		7.31		7.54		7.14		7.57		7.67	
Turbidity (NTUs)	NV	2.2		8.05		6.48		4.61		7.86		3.48	
Inorganics (mg/L)													
Iron	0.3	ND	U	0.14		ND	U	1.1		0.35		ND	U
Magnesium	35 [Note 4]	133		36.3		28.6		103		52.8		33.2	
Manganese	NV	0.019		0.4		0.0022	U	0.7		0.20		0.0073	
Potassium	NV	28.3		5.2		1.1		4.7		8.1		4.6	
Sodium	20	1,940		621		683		137		1,230		119	
Miscellaneous Water Quality Parameters													
Methane (ug/L)	NV	ND	U	13.0		ND	U	4.6		600		ND	U
Ethane (ug/L)	NV	ND	U	ND	U	ND	U	ND	U	21	J	ND	U
Ethene (ug/L)	NV	ND	U	ND	U	ND	U	2.7	J	47	J	ND	U
Carbon Dioxide (ug/L)	NV	31,000		28,000		31,000		67,000		22,000		9,800	
Total Organic Carbon (mg/L)	NV	4.0		1.5		0.96	J	4.7		1.9		1.3	
Alkalinity (mg/L)	NV	250		329		376	J	306		285		164	J
Ammonia (mg/L)	NV	ND	UJ	0.041	J	ND	U	0.14	J	0.32	J	ND	UJ
Chloride (mg/L)	NV	3,430		984		987		591		2,060		173	
Nitrate (mg/L)	NV	0.54		0.16		0.52		ND	U	0.031	J	0.13	
Nitrite (mg/L)	NV	0.028	J	0.022	J	ND	U	ND	U	ND	U	ND	UJ
Sulfate (mg/L)	NV	1,290		128.0		151		224		151		252	
Sulfide (mg/L)	NV	ND	U	ND	U	ND	U	ND	U	0.8	J	ND	U

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Brownfield Cleanup Program
Site No. C932138

Sample Location	Class GA	BUILDING 7 AREA WELLS																			
Sample Date	Criteria	MW-7-1R 9/22/2022	Q	MW-7-2 10/4/2022	Q	MW-7-3 10/5/2022	Q	MW-7-4 9/22/2022	Q	MW-7-5 10/5/2022	Q	MW-7-6 10/6/2022	Q	MW-7-7 10/4/2022	Q	MW-7-8 10/7/2022	Q	MW-7-A-6 10/5/2022	Q	MW-7-C-2 10/4/2022	Q	MW-7-P-1 10/6/2022	Q
VOC Compounds of Concern (ug/L)																							
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		590.0		750	F1	36,000		440		200,000		300		2.0	
Tetrachloroethene	5	ND		ND		ND		ND		10,000	F1	630	F1	68,000		820		48,000		ND		ND	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2.4	
Trichloroethene	5	ND		ND		ND		15		860.0		340		17,000		340		8,600		ND		ND	
Vinyl Chloride	2	ND		ND		ND		ND		ND		13		7,200		220		110,000		140		2.3	
Total VOCs		ND		ND		ND		15		11,450.0		1,720		128,200		1,820		366,600		440		6.7	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																							
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																							
Temperature (Deg. C)	NV	19.2		16.3		18.3		15.5		17.3		17		17.8		17.00		18.5		15.5		21.9	
Specific Conductance (mS/cm)	NV	8.258		1.942		23.98		2.08		14.924		18.157		11.187		13.697		5.761		2.239		14.461	
Dissolved Oxygen (mg/L)	NV	0.62		2.69		0.18		3.44		0.41		0.15		0.17		2.60		0.14		0.28		0.21	
Oxygen Reduction Potential (mv)	NV	44.4		110.6		-78.6		100.4		64.8		24.9		-235.5		-80.7		-83.4		-34.6		-109.1	
pH (std. units)	NV	6.77		7.14		6.73		7.05		6.89		6.92		6.79		6.83		6.28		6.88		6.54	
Turbidity (NTUs)	NV	8.25		-5.18		-2.45		-5.57		-1.38		1.48		5.01		14.75		20.71		-5.03		21.9	
Inorganics (mg/L)																							
Iron	0.3	0.13		0.032	J	7.6		0.039	J	0.48		0.18		0.092		7.0		24		2.4		64.6	
Magnesium	35 [Note 4]	130		50.6		147		43.8		99.3		96.7		177		199		165		141		277	
Manganese	NV	0.70	B	0.014	B	0.46	B	0.0030	B	1.1	B	0.32	B	0.037	B	0.74	B	2.5	B	0.35	B	3.5	B
Potassium	NV	7.4		2.2		35.2		3.3		9.0		15.1		45.0		43.9		5.4		5.1		30.4	
Sodium	20	1100		211		5,070		240		2,850		3,850		1,630	B	2,250		586		118		173	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	41.0		ND		270		ND		13.0		150		750		28.0		2,000		220		7,100	
Ethane (ug/L)	NV	ND		ND		ND		ND		ND		ND		ND		1.9	J	150	J	ND		ND	
Ethene (ug/L)	NV	ND		ND		ND		ND		ND		ND		590		2.9	J	12,000		4.2	J	ND	
Carbon Dioxide (ug/L)	NV	72,000		44,000		88,000		40,000		84,000		44,000		66,000		16,000		420,000		11,000		110,000	
Total Organic Carbon (mg/L)	NV	2.4		2.3		3.9		1.8		6		2.8		8.6		2.3		40.8		2.7	J	4.3	
Alkalinity (mg/L)	NV	278	H	362	B	413	B	335	H	347	B	317	B	307	B	127.0	B	502	B ^2	322	B	239	B
Ammonia (mg/L)	NV	0.010	J F1	ND		1.9	B	ND		ND		0.050	B F1	3.3	B	0.36	B	0.086	F1 B	0.16	B	137	B
Chloride (mg/L)	NV	3,820		432		16,800		587		9,220		12,700		4,020		5,090		1710		151		3,320	
Nitrate (mg/L)	NV	ND		0.028	J	0.14		0.027	J	1.0		0.058		ND		ND		0.57		ND		0.081	
Nitrite (mg/L)	NV	ND		ND		ND	H	0.025	J	ND	H	ND	H	ND		ND	H	ND	H	ND		ND	
Sulfate (mg/L)	NV	205.0		47		2070		74.5		800		714		422		187	J	30.1	J	902		25.2	J
Sulfide (mg/L)	NV	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. Analytical testing completed by TestAmerica in Amherst, New York.
3. Criteria is a guidance value.
4. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; *+ - LCS and/or LCSD is outside acceptance limits, high biased. E = Results exceeded calibration range; F1 = MS and/or MSD Recovery is outside acceptance limits. F2 = MS/MSD RPD exceeds control limits. ^ = Instrument related quality control is outside of acceptable range. H = sample was prepped or analyzed outside of specified holding time.
5. mg/L = parts per million; ug/L = parts per billion
6. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
7. ND = not detected NV = no value, ND= Not Detected
8. Shaded concentrations exceed Class GA criteria.
9. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Brownfield Cleanup Program
Site No. C932138

Sample Location		BUILDING 8 AREA WELLS																							
Sample Date	Class GA Criteria	MW-6-1 9/29/2022	Q	MW-6-2 9/29/2022	Q	MW-6-F-8 9/29/2022	Q	MW-8-1 9/27/2022	Q	MW-8-2 9/27/2022	Q	MW-8-3 9/28/2022	Q	MW-8-4 9/28/2022	Q	MW-8-003-B 9/28/2022	Q	MW-9-101A 9/26/2022	Q	MW-9-12 9/26/2022	Q	TK-6 10/3/2022	Q	BLDG-10-MW-1 10/3/2022	Q	MW-10-2 10/3/2022	Q	MW-10-3 9/26/2022	Q
VOC Compounds of Concern (ug/L)																													
cis-1,2-Dichloroethene	5	ND		ND		ND		1.1		6,500		9.3		27		870		ND		ND		ND		ND		21.0		1	
Tetrachloroethene	5	ND		ND		ND		ND	*+	ND	*+	ND	*+	ND	*+	2100		ND		ND		ND		140,000		ND		2.9	F1
trans-1,2-dichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1.6		ND	F1
Trichloroethene	5	ND		ND		ND		0.76	J	ND		2.8		5.9		350		ND		ND		ND		4,300	J	0.65	J	4.5	F1
Vinyl Chloride	2	ND		ND		ND		ND		3000		25.0		10		ND		ND		ND		ND		ND		23		ND	F1 F2
Total VOCs		ND		ND		ND		0.85		9,500		37.1		42.9		3,320		ND		ND		ND		144,300		46		8	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																													
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		ND		ND		NT		NT		NT		NT	
Field Parameters																													
Temperature (Deg. C)	NV	16.7		16.3		19.2		16.9		20.4		20.6		18.5		19.3		19.4		16.6		18.9		20.8		18.4		16.9	
Specific Conductance (mS/cm)	NV	4.744		3.733		6.82		5.516		2.46		6.235		3.983		13.222		11.228		3.407		7.755		2.742		7.592		1.618	
Dissolved Oxygen (mg/L)	NV	0.26		0.28		0.25		0.17		0.26		3.58		3.61		0.28		1.42		0.35		2.28		0.27		0.53		0.25	
Oxygen Reduction Potential (mv)	NV	-123.1		-79.1		64.8		-241.1		-101.8		-13.8		74.5		74.8		223.1		140.1		75.1		-35.1		-97.9		134.4	
pH (std. units)	NV	6.88		7.09		6.92		6.96		7.15		6.84		7.44		7.44		6.92		7.39		7.18		6.84		7.19		7.6	
Turbidity (NTUs)	NV	14.09		-5.61		-5.14		0.67		-5.61		-2.91		8.73		-3.88		-5.63		-5.16		-5.12		-5.21		-1.4		-5.28	
Inorganics (mg/L)																													
Iron	0.3	25.9		0.039	J	0.033	J	0.031	J	0.36		0.084		0.38		0.12		ND		0.085		ND		1.2		0.61		0.035	J
Magnesium	35 [Note 4]	68.7		48		87.5		124		49.3		49.3		37.7		19.1		126		23.7		87.8		100		53.8		27.0	F1
Manganese	NV	5.8	B	0.32	B	0.21	B	0.11		0.025		6.0		0.25		0.31		0.011	B	0.31	B	0.0013	J	0.66		0.17		0.0014	J B
Potassium	NV	5.9		5.8		4.0		19.8		15.9		412		9.6		10.5		27.0		3.9		2.2		4.9		8.6		6.8	F1
Sodium	20	642		520		1,240		618		233		301		1,210		2,460		1,820		527		1,190		137		1,220		136	
Miscellaneous Water Quality Parameters																													
Methane (ug/L)	NV	2.0	J	280		ND		160		470		94		150		5.6		ND		3.8	J	ND		5.1		120		ND	
Ethane (ug/L)	NV	ND		ND		ND		ND		ND		8.0		ND		ND		ND		ND		ND		ND		ND		ND	
Ethene (ug/L)	NV	ND		ND		ND		ND		ND		ND		ND		3.8	J	ND		ND		ND		4.3	J	38	J	ND	
Carbon Dioxide (ug/L)	NV	130,000		42,000		63,000		66,000		50,000		91,000		ND		10,000		36,000		25,000		34,000		82,000		21,000		18,000	
Total Organic Carbon (mg/L)	NV	9.3		2.4		1.3		0.90	J	1.4		9.8		2.4		2.2		3.3		2.1		0.63	J	4.8		1.7		1.2	
Alkalinity (mg/L)	NV	504		379		454		20		354		330		145		307		274	H	290		280	B	310	B	286	F1 B^2	150	
Ammonia (mg/L)	NV	2.0		ND		ND		1.0	J	0.71	J	5.6		0.069		0.042		ND		ND		ND		0.16	B F1	0.26	B	ND	F1
Chloride (mg/L)	NV	1,360		1,020		2,160		1,500		477		1,780		2,320		6,110		4,160		858		2,760		1090		3,680		104	
Nitrate (mg/L)	NV	0.091	B	0.022	J B	0.046	J B	ND		ND		0.10	J	0.028		0.30		0.20		0.10		0.27		ND		ND		0.28	F1
Nitrite (mg/L)	NV	ND		ND		ND		ND		ND		ND		0.028	J F1	0.024	J	ND		ND		ND	F1	ND		ND		ND	
Sulfate (mg/L)	NV	30.1	J	114		281		999		229		70.0		178		198	J	1,480		94.6		142	J	493		305		163	
Sulfide (mg/L)	NV	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. Analytical testing completed by TestAmerica in Amherst, New York.
3. Criteria is a guidance value.
4. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; *+ - LCS and/or LCSD is outside acceptance limits, high biased. E = Results exceeded calibration range; F1 = MS and/or MSD Recovery is outside acceptance limits. F2 = MS/MSD RPD exceeds control limits. ^ = Instrument related quality control is outside of acceptable range. H = sample was prepped or analyzed outside of specified holding time.
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8. Shaded concentrations exceed Class GA criteria.
9. Concentrations shown for MW-7-7 are the higher of its initial run or its respective duplicate.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Brownfield Cleanup Program
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 7 AREA WELLS																					
		MW-7-1R 10/11/2023	Q	MW-7-2 10/17/2023	Q	MW-7-3 10/11/2023	Q	MW-7-4 10/18/2023	Q	MW-7-5 10/19/2023	Q	MW-7-6 10/10/2023	Q	MW-7-7 10/13/2023	Q	MW-7-8 10/17/2023	Q	MW-7-A-6 10/19/2023	Q	MW-7-C-2 10/10/2023	Q	MW-7-P-1 10/18/2023	Q
VOC Compounds of Concern (ug/L)																							
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		1,100.0		630		36,000		410	F1	95,000		540		ND	
Tetrachloroethene	5	ND		ND		ND		ND		7,500		560		100,000		710	F1	64,000		ND		ND	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2.4	
Trichloroethene	5	ND		ND		ND		3.3		1,200.0		310		20,000		220		13,000		ND		ND	
Vinyl Chloride	2	ND		ND		ND		ND		ND		9.2	J	6,000		590	F1	72,000		81		ND	
Total VOCs		ND		ND		ND		3.3		9,800.0		1,509.2		162,000		1,930		244,000		621		2.4	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																							
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																							
Temperature (Deg. C)	NV	17.9		15.3		17.2		15.5		15.8		16.2		16.6		17.80		17.3		16.9		21.0	
Specific Conductance (mS/cm)	NV	8.569		1.285		23.821		2.346		12.045		17.18		10.518		14.507		5.389		2.316		17.574	
Dissolved Oxygen (mg/L)	NV	0.6		4.01		0.62		2.9		0.58		0.5		0.46		1.91		0.59		0.71		0.67	
Oxygen Reduction Potential (mv)	NV	56.1		91.3		-76.3		-9.2		17.9		16.8		-233.9		-67.3		-60		-60.5		-101.6	
pH (std. units)	NV	6.84		7.16		6.83		7.49		6.76		6.99		6.85		6.63		6.49		6.92		6.51	
Turbidity (NTUs)	NV	2.89		-1.75		-0.78		-1.25		-1.01		0.65		8.13		8.75		0.3		-2.75		-2.05	
Inorganics (mg/L)																							
Iron	0.3	0.12		0.021	J	7.6		0.075	J	0.14		0.13		0.110	B	18.4		16.8		0.58		64.6	
Magnesium	35 [Note 4]	126		35.7		111		42.8		106		84.5		151		180		142		133		277	
Manganese	NV	0.87	B	0.0059	B	0.51	B	0.0068	B	1.1		0.32		0.036		0.99	B	2	B	0.35		3.5	B
Potassium	NV	7.7		1.3		25.5		3.3		15.0		13.5		39.6	B	39.4	^+	5.1		5.6		30.4	
Sodium	20	1230		104		4,950		255		2,600		3,480		1,550		2,740		481	^+	118		173	
Miscellaneous Water Quality Parameters																							
Methane (ug/L)	NV	33.0		ND		300		ND		12.0		250		870		150.0		1,400		320		6,100	
Ethane (ug/L)	NV	ND		ND		ND		ND		ND		7.8		ND		54.0		140		ND		34	
Ethene (ug/L)	NV	ND		ND		ND		ND		ND		ND		420		21.0		5,500		8.1		ND	
Carbon Dioxide (ug/L)	NV	67,000		38,000		94,000		43,000		96,000		44,000		56,000		43,000		300,000		53,000		110,000	
Total Organic Carbon (mg/L)	NV	1.5		1.3		3.5		ND		8.2		1.8		10.3		1.5		26.3		0.89	J	2.2	
Alkalinity (mg/L)	NV	337		362	B	434		384		464		327		298		108.0		516		338		132	
Ammonia (mg/L)	NV	0.050		ND		1.6	B	0.017	J	0.081		0.071		3.2		0.81		0.150		0.18		197	
Chloride (mg/L)	NV	2,720		181		8,240		442		5,610		5,830		3,410		5,060		1420		178		3,560	
Nitrate (mg/L)	NV	ND		ND		0.038	J	0.045	J	0.9		ND		ND		ND		ND		ND		0.038	J H
Nitrite (mg/L)	NV	ND		ND		ND		ND	H	0.1	F1	ND		ND		ND		ND		ND		ND	
Sulfate (mg/L)	NV	132.0		23.2		771		57.9		507		274		482		235		25.0	J	860		23.5	J
Sulfide (mg/L)	NV	ND		ND		ND		ND		ND		ND		3.2		ND		ND		ND		ND	

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. Analytical testing completed by TestAmerica in Amherst, New York.
3. Criteria is a guidance value.
4. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; F1 = MS and/or MSD Recovery is outside acceptance limits. H = sample was prepped or analyzed outside of specified holding time.
5. mg/L = parts per million; ug/L = parts per billion
6. NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
7. ND = not detected NV = no value, NT = not tested.
8. Shaded concentrations exceed Class GA criteria.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Brownfield Cleanup Program
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 8 AREA WELLS															
		MW-6-1 10/16/2023	Q	MW-6-2 10/16/2023	Q	MW-6-F-8 10/6/2023	Q	MW-8-1 10/9/2023	Q	MW-8-2 10/9/2023	Q	MW-8-3 10/10/2023	Q	MW-8-4 10/11/2023	Q	MW-8-003-B 10/10/2023	Q
VOC Compounds of Concern (ug/L)																	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		7,700	F1	ND		46		1200	
Tetrachloroethene	5	ND		ND		ND		ND		ND		ND		ND		1200	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	ND		ND		0.67	J	1		1400		7.9		11		330	
Vinyl Chloride	2	ND		ND		ND		ND		470		ND		24		ND	
Total VOCs		ND		ND		0.67		1		9,570		7.9		81.0		2,730	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)																	
16 PAHs analyzed		NT		NT		NT		NT		NT		NT		NT		NT	
Field Parameters																	
Temperature (Deg. C)	NV	15.1		14.5		20.4		16.4		19.9		19.6		19.4		18.4	
Specific Conductance (mS/cm)	NV	4.476		3.944		3.423		5.470		0.997		6.349		10.049		11.047	
Dissolved Oxygen (mg/L)	NV	0.62		0.66		5.71		0.63		0.65		6.19		0.68		0.69	
Oxygen Reduction Potential (mv)	NV	-130.6		-37.6		129.3		-196.7		-123		-58.9		-29.5		118.4	
pH (std. units)	NV	6.93		7.05		7.12		6.93		7.19		7.01		7.2		7.5	
Turbidity (NTUs)	NV	17.18		-2.92		7.07		-0.23		-2.9		-2.36		-1.52		2.43	
Inorganics (mg/L)																	
Iron	0.3	24.6		0.16		0.19		0.034	J	4.50		0.047	J	0.38		0.12	
Magnesium	35 [Note 4]	63.7		50.6		53.1		121		41.6		60.5		44.6		11.2	
Manganese	NV	4.8		0.35		0.17	B	0.11	B	0.520	B	3.0		0.29	B	0.56	
Potassium	NV	5.0	B	5.2	B	2.3		19.1		9.6		414		13.1		6.2	
Sodium	20	642		677		777		614		74.1		362		2,220		2,070	
Miscellaneous Water Quality Parameters																	
Methane (ug/L)	NV	220.0		ND		ND		160		350	F1	35		530		ND	
Ethane (ug/L)	NV	ND		ND		ND		15		ND		ND		ND		ND	
Ethene (ug/L)	NV	ND		ND		ND		ND		ND		ND		ND		ND	
Carbon Dioxide (ug/L)	NV	120,000		57,000		28,000		58,000		44,000		45,000		27,000		ND	
Total Organic Carbon (mg/L)	NV	7.2		1.9		4.8		ND		ND		8		2.5		1.7	
Alkalinity (mg/L)	NV	512	B	436	B	289		276	B	343	B	235		332		279	
Ammonia (mg/L)	NV	1.7		0.025		0.076		1.2		0.31	F1	5.2		0.057		0.16	
Chloride (mg/L)	NV	1,100		1,450		1,530		1,320		158		1,790		3,220		2,900	
Nitrate (mg/L)	NV	ND		ND		0.15		ND		ND		0.21		0.021	J	0.062	
Nitrite (mg/L)	NV	ND		ND		0.044	J B	ND		ND	F1	0.046	J	ND		0.048	J
Sulfate (mg/L)	NV	29.8		101		175		869		62.3		73.9		297		106	
Sulfide (mg/L)	NV	ND		ND		ND		6		ND		ND		ND		ND	

Notes:

1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. Analytical testing completed by TestAmerica in Amherst, New York.
3. Criteria is a guidance value.
4. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; F1 = MS and/or MSD Recovery is outside acceptance limits. H = sample was prepped or analyzed outside of specified holding time.
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7. ND = not detected NV = no value, NT = not tested.
8. Shaded concentrations exceed Class GA criteria.

Table 1
Summary of Groundwater Sample Analytical Results
GMCH Lockport Brownfield Cleanup Program
Site No. C932138

Sample Location Sample Date	Class GA Criteria	BUILDING 10 AREA WELLS											
		MW-9-101A 10/6/2023	Q	MW-9-12 10/17/2023	Q	TK-6 10/5/2023	Q	BLDG-10-MW-1 10/16/2023	Q	MW-10-2 10/13/2023	Q	MW-10-3 10/11/2023	Q
VOC Compounds of Concern (ug/L)													
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		430.0	F1	1.6	
Tetrachloroethene	5	ND		ND		ND		170,000		ND		2.7	
trans-1,2-dichloroethene	5	ND		ND		ND		ND		8.2		ND	
Trichloroethene	5	1.1		ND		ND		5,100		3.60	J	4.9	
Vinyl Chloride	2	ND		ND		ND		ND		180		ND	
Total VOCs		1.1		ND		ND		175,100		618		9	
Polycyclic Aromatic Hydrocarbons (PAHs) (ug/L)													
16 PAHs analyzed		ND		ND		NT		NT		NT		NT	
Field Parameters													
Temperature (Deg. C)	NV	19.7		15.6		21.9		20.6		17.8		16.9	
Specific Conductance (mS/cm)	NV	11.26		3.905		8.961		2.634		9.929		1.350	
Dissolved Oxygen (mg/L)	NV	0.85		0.63		2.43		0.54		0.68		0.82	
Oxygen Reduction Potential (mv)	NV	166.5		7		92.9		-26.6		-84.8		48.3	
pH (std. units)	NV	6.96		7.17		7		6.76		7.28		7.56	
Turbidity (NTUs)	NV	-2.6		5.09		-1.99		-3.01		3.56		-2.72	
Inorganics (mg/L)													
Iron	0.3	ND		0.18		ND		1		0.78	B	ND	
Magnesium	35 [Note 4]	109		34.4		102		103		50.2		24.5	
Manganese	NV	0.047	B	0.6	B	0.0041	B	0.7		0.23		0.0013	J B
Potassium	NV	24.5		5.4		2.5		4.6	B	8.9	B	7.8	
Sodium	20	1,920		676		1,450		134		1,390		136	
Miscellaneous Water Quality Parameters													
Methane (ug/L)	NV	ND		17.0		ND		3.7	J	72	F1	ND	
Ethane (ug/L)	NV	ND		ND		ND		ND		6.9	J	ND	
Ethene (ug/L)	NV	ND		ND		ND		1.5	J	88	F1	ND	
Carbon Dioxide (ug/L)	NV	37,000		30,000		42,000		74,000		23,000		ND	
Total Organic Carbon (mg/L)	NV	4.4		1.5		1.2		4.7		1.8		0.86	J
Alkalinity (mg/L)	NV	276		331	F1	320		310	B	238	F1	157	F1
Ammonia (mg/L)	NV	ND		0.120		ND		0.16		0.3		ND	
Chloride (mg/L)	NV	3,210		1,040		2,450		570		2,250		134	
Nitrate (mg/L)	NV	0.13		0.14		0.87		ND		ND		0.81	
Nitrite (mg/L)	NV	0.041	J B	ND		0.035	J B	ND		ND	F1	ND	
Sulfate (mg/L)	NV	1,150		119.0		135		231		180		191	
Sulfide (mg/L)	NV	ND		ND		ND		ND	F1	ND	F1	ND	

Notes:
1. Only compounds detected in one or more of the groundwater samples are presented in this table.
2. Analytical testing completed by TestAmerica in Amherst, New York.
3. Criteria is a guidance value.
4. Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation; F1 = MS and/or MSD Recovery is outside acceptance limits. H = sample was prepped or analyzed outside of specified holding time.
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7. ND = not detected NV = no value, NT = not tested.
8. Shaded concentrations exceed Class GA criteria.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 10												
Sample Name:	10-IA-1-032217	10-SS-1-032217	10-IA-1-2018	10-SS-1-2018	10-IA-1-2019	10-IA-1-2019	10-IA-1-112519	10-IA-1-2020	10-IA-1-073020	10-IA-1-112320	10-IA-1-2021	10-IA-1-072721	10-IA-1-112921
Sample Date:	03/22/2017	03/22/2017	3/6/2018	3/6/2018	4/17/2019	7/29/2019	11/25/2019	2/25/2020	7/30/2020	11/23/2020	3/3/2021	7/27/2021	11/29/2021
Volatile Organic Compounds (ug/M3)													
1,1,1-Trichloroethane	2.2 U	1.1 U	1.1 U	2.2 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-Dichloroethene	1.6 U	0.79 U	0.14 U	0.28 U	0.14 U	0.81 U	0.14U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Carbon tetrachloride	2.5 U	**0.46 J**	**0.39**	**0.37 J**	0.36	0.36	0.41	0.45 J	0.32 J	0.56 J	0.57 J	0.50 J	0.35 J
cis-1,2-Dichloroethene	1.6 U	**0.43 J**	**0.46**	**0.45**	0.4	0.20 U	0.48	0.39 J	0.18 U	0.43 J	0.88	0.79 U	**0.15 J**
Methylene chloride	**0.75 J**	**0.65 J**	1.7 U	1.6 J	1.7 U	6.1	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	31	0.63 J
Tetrachloroethene	**1.4 J**	**200**	3.3	3.4	3.9	0.42 J	5.4	7.1	3.5	6.0	8.2	1.1 J	6.2
Trichloroethene	2.1 U	**15**	**0.63**	1.5	0.51	0.19 U	0.74	0.82 J	0.19 U	0.66 J	1.3	1.1 U	**0.58 J**
Vinyl chloride	1.0 U	0.51 U	0.089 U	0.18 U	0.10 U	0.20 U	0.20 U	0.51 U	0.11 U	0.11 U	0.51 U	0.51 U	0.51 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 10												
Sample Name:	10-IA-1-2022	10-IA-1-072122	10-IA-1-121422	10-IA-1-032823	IA-10-1-080923	IA-10-1-121523	IA-10-1-032124	10-IA-2-032217	10-IA-2-2018	10-IA-2-2019	10-IA-2-2019(2)	10-IA-2-112519	10-IA-2-2020
Sample Date:	3/1/2022	7/21/2022	12/14/2022	3/28/2023	8/9/2023	12/15/2023	3/21/2024	03/22/2017	3/6/2018	4/17/2019	7/29/2019	11/25/2019	2/25/2020
Volatile Organic Compounds (ug/M3)													
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethene	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	2.4 U	0.14 U	0.14 U	0.14 U	0.14 U	0.79 U
Carbon tetrachloride	0.32 J	0.37 J	0.54 J	0.27 J	0.35 J	**0.35 J**	**0.38 J**	3.8 U	**0.37**	0.36	0.35	0.38	0.44 J
cis-1,2-Dichloroethene	0.59 J	0.79 U	1.3	0.47 J	0.79 U	0.79 U	**0.49 J**	2.4 U	**0.33**	0.28	0.20 U	0.57	0.39 J
Methylene chloride	1.1 J	1.7 U	1.7 U	**0.84 J**	1.7 U	**1.7**	1.7 U	5.2 U	1.7 U	1.7 U	1.8	1.7 U	0.99 J
Tetrachloroethene	6.9	1.7	5.9	5.2	1.2 J	3.9	8.2	**0.76 J**	2.7	2.3	0.3 J	4.9	4.0
Trichloroethene	0.83 J	0.19 J	1.3	0.55 J	1.1 U	**0.54 J**	**0.78 J**	3.2 U	**0.50**	0.33	0.33	0.78	0.69 J
Vinyl chloride	**0.082 J**	0.51 U	0.51	0.51 U	0.51 U	0.51 U	0.51 U	1.5 U	0.089 U	0.10 U	0.20 U	**0.11 J**	0.11 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 10													
Sample Name:	10-IA-2-073020	10-IA-2-112320	10-IA-2-2021	10-IA-2-072721	10-IA-2-2021	10-IA-2-2022	10-IA-2-072122	10-IA-2-121422	10-IA-2-032823	IA-10-2-080923	IA-10-2-121523	IA-10-2-032124	10-SS-2-032217	10-SS-2-2018
Sample Date:	7/30/2020	11/23/2020	3/3/2021	7/27/2021	11/29/2021	3/1/2022	7/21/2022	12/14/2022	3/28/2023	8/9/2023	12/15/2023	3/21/2024	03/22/2017	3/6/2018
Volatile Organic Compounds (ug/M3)														
1,1,1-Trichloroethane	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	870 U	2000 U
1,1-Dichloroethene	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	630 U	250 U
Carbon tetrachloride	**0.35 J**	**0.61 J**	**0.56 J**	1.3 U	**0.40 J**	**0.38 J**	**0.47 J**	1.3 U	**0.31 J**	**0.37 J**	**0.34 J**	**0.34 J**	1000 U	400 U
cis-1,2-Dichloroethene	0.18 U	**0.46 J**	**1.7**	0.79 U	**0.52 J**	**0.60 J**	0.79 U	**0.75 J**	**0.74 J**	0.79 U	0.79 U	**0.39 J**	**4800**	**5200**
Methylene chloride	1.7 U	1.7 U	1.7 U	**26**	**2.7**	**0.71 J**	**0.72 J**	**1.1 J**	**0.66 J**	**1.2 J**	**19**	1.7 U	1400 U	3200 U
Tetrachloroethene	1.4 U	**5.5**	**13**	**1.4**	**6.4**	**7.0**	**1.6**	**4.5**	**9.4**	**1.7**	**2.1**	**6.5**	**150000**	**260000**
Trichloroethene	0.19 U	**0.66 J**	**2.3**	1.1 U	**0.67 J**	**0.77 J**	**0.22 J**	**0.71 J**	**0.83 J**	**0.22 J**	**0.42 J**	**0.68 J**	**20000**	**18000**
Vinyl chloride	0.11 U	0.11 U	0.51 U	0.51 U	0.51 U	**0.079 J**	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	410 U	160 U

Notes:

1. Bold values are detected parameters.
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3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 8																			
Sample Name:	8-IA-1-032217	8-IA-1-2018	8-IA-1-2019	8-IA-1-2020	8-IA-1-2021	8-IA-1-2022	8-IA-1-032823	8-IA-1-032124	8-SS-1-032217	8-SS-1-2018	8-IA-2-032217	8-IA-2-2018	8-IA-2-2019	8-IA-2-2020	8-IA-2-2021	8-IA-2-2022	8-IA-2-032823	8-IA-2-032124	8-SS-2-032217	8-SS-2-2018
Sample Date:	03/22/2017	3/6/2018	4/17/2019	2/25/2020	3/3/2021	3/1/2022	3/28/2023	3/21/2024	03/22/2017	3/6/2018	03/22/2017	3/6/2018	4/17/2019	2/25/2020	3/3/2021	3/1/2022	3/28/2023	3/21/2024	03/22/2017	3/6/2018
Volatile Organic Compounds (ug/M3)																				
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1700 U	4800 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-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	1200 U	610 U	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.14 U
Carbon tetrachloride	**0.35 J**	0.36	0.39	0.40 J	0.47 J	0.33 J	0.30 J	0.33 J	1900 U	970 U	**0.44 J**	0.37	0.34	0.38 J	0.49 J	0.36 J	0.27 J	0.36 J	1.3 U	**0.40**
cis-1,2-Dichloroethene	**1.0**	1.2	1.1	0.59 J	0.76 J	0.55 J	0.57 J	0.56 J	**2000**	**2000**	**0.66 J**	1.6	0.53	1.1	1.1	0.37 J	0.29 J	0.45 J	4.5	8.9
Methylene chloride	**0.39 J**	0.43 J	1.7 U	1.1 J	1.7 U	**1.2 J**	1.7 U	4.4	2600 U	7700 U	**6.6**	0.45 J	1.8	1.7 U	1.7 U	12	2.5	0.94 J	**0.82 J**	0.69 J
Tetrachloroethene	**0.59 J**	**0.57 J**	0.47 J	0.25 J	0.48 J	0.21 J	0.33 J	0.32 J	2100 U	6000 U	**0.40 J**	0.82 J	0.29 J	0.34 J	0.58 J	0.18 J	0.21 J	0.31 J	11	9.0
Trichloroethene	**5.3**	6.1	3.6	2.8	4.1	2.0	1.9 J	2.7	**220000**	470000	**3.8**	7.0	3.2	4.0	4.5	1.8	1.5	2.9	86	120
Vinyl chloride	**0.16 J**	**0.12**	**0.10 U**	0.11 U	0.51 U	**0.072 J**	0.51 U	0.64 U	780 U	390 U	0.51 U	**0.15**	0.10 U	0.11 U	0.51 U	0.51	0.51 U	0.51 U	0.51 U	0.089 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 East									
Sample Name:	7E-IA-1-032317	7E-IA-1-2018	7E-IA-2019	7E-IA-1-2020	7E-IA-1-2021	7E-IA-1-2022	7E-IA-1-032923	7E-IA-1-032224	7E-SS-1-032317	7E-SS-1-2018
Sample Date:	03/23/2017	3/7/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/23/2017	3/7/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.4 U	4.4 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	1.4 U	0.79 U	0.79 U	0.79 U	3.2 U	3.2 U
Carbon tetrachloride	**0.30 J**	0.48	0.34	0.32 J	0.40 J	**0.40 J**	0.26 J	0.39 J	5.0 U	**0.29 J**
cis-1,2-Dichloroethene	**2.7**	2.3	0.2	3.5	1.4	0.98	0.83	1.1	**240**	410
Methylene chloride	**0.96 J**	0.74 J	1.9	5.1	1.7 U	2.8	1.7 U	1.7 U	6.9 U	6.9 U
Tetrachloroethene	**2.2**	2.8	0.37 J	1.9	1.3 J	**1.3 J**	0.90 J	9	**690**	440
Trichloroethene	**2.0**	2.2	0.2	2.2	1.6	1.1	0.91 J	1.2	**550**	520
Vinyl chloride	0.51 U	**0.16**	0.10 U	0.29 J	0.51 U	0.51 U	0.51 U	0.51 U	2.0 U	**1.1 J**

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 East									
Sample Name:	7E-IA-2-032317	7E-IA-2-2018	7E-IA-2-2019	7E-IA-2-2020	7E-IA-2-2021	7E-IA-2-2022	7E-IA-2-032923	7E-IA-2-032224	7E-SS-2-032317	7E-SS-2-2018
Sample Date:	03/23/2017	3/7/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/23/2017	3/7/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	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-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	1.4 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Carbon tetrachloride	**0.37 J**	**0.62**	**0.34**	**0.33 J**	**0.41 J**	**0.38 J**	**0.21 J**	**0.37 J**	**0.31 J**	**0.36 J**
cis-1,2-Dichloroethene	**1.8**	**3.4**	**0.18**	**1.2**	**1.8**	**1.9**	**0.19 J**	**0.98**	**1.4**	**1.8**
Methylene chloride	**0.62 J**	**0.77 J**	**0.75 J**	**1.2 J**	1.7 U	**0.91 J**	**1.2 J**	**3.7**	**0.49 J**	**1.9**
Tetrachloroethene	**2.6**	**4.8**	**0.24 J**	**1.5**	**1.5**	**0.24 J**	1.4 U	**7.6**	**2.4**	**2.2**
Trichloroethene	**2.2**	**3.5**	**0.17 J**	**1.6**	**1.8**	**0.17 J**	**0.16 J**	**1.2**	**2.0**	**33**
Vinyl chloride	0.51 U	**0.20**	0.10 U	0.11 U	0.51 U	0.10 U	0.51 U	0.51 U	0.51 U	**0.094 J**

Notes:

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5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7A									
Sample Name:	7A-IA-1-032317	7A-IA-1-2018	7A-IA-1-2019	7A-IA-1-2020	7A-IA-1-2021	7A-IA-1-2022	7A-IA-1-032823	7A-IA-1-032124	7A-SS-1-032317	7A-SS-1-2018
Sample Date:	03/23/2017	3/7/2018	4/18/2019	2/25/2020	3/3/2021	3/1/2022	3/28/2023	3/21/2024	03/23/2017	3/7/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.2 U	1.1 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.14 U	0.79 U	0.79 U	0.79 U	0.79 U	1.6 U	0.14 U
Carbon tetrachloride	**0.48 J**	**0.47**	**0.36**	**0.39 J**	**0.45 J**	1.3 U	**0.21 J**	**0.34 J**	2.5 U	**0.4**
cis-1,2-Dichloroethene	**0.21 J**	**0.21**	0.14 U	0.18 U	0.79 U	0.79 U	0.79 U	0.79 U	**9.0**	**3.2**
Methylene chloride	**0.48 J**	**0.68 J**	**4**	0.17 U	1.7 U	**0.99 J**	**4.5**	1.7 U	3.5 U	**0.86 J**
Tetrachloroethene	**15**	**6.7**	**1.3 J**	**3.7**	**1.8**	1.4 U	1.4 U	**0.30 J**	**82**	**24**
Trichloroethene	**7.9**	**8.8**	**0.36**	**0.98 J**	**1.7**	1.1 U	1.1 U	1.1 U	**220**	**45**
Vinyl chloride	0.51 U	0.089 U	0.010 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	1.0 U	0.089 U

Notes:

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3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7A									
Sample Name:	7A-IA-2-032317	7A-IA-2-2018	7A-IA-2-2019	7A-IA-2-2020	7A-IA-2-2021	7A-IA-2-2022	7A-IA-2-032823	7A-IA-2	7A-SS-2-032317	7A-SS-2-2018
Sample Date:	03/23/2017	3/7/2018	4/18/2019	2/25/2020	3/3/2021	3/1/2022	3/28/2023	3/21/2024	03/23/2017	3/7/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	14 U	7.8 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	10 U	5.7 U
Carbon tetrachloride	**0.49 J**	**0.64**	**0.42**	**0.56 J**	**0.60 J**	**0.49 J**	**0.29 J**	**0.41 J**	16 U	9.0 U
cis-1,2-Dichloroethene	**0.30 J**	**0.20**	0.14 U	0.18 U	0.79 U	0.79 U	0.79 U	**0.093 J**	**35**	**29**
Methylene chloride	**0.46 J**	**0.74 J**	1.7 U	1.7 U	1.7 U	**0.73 J**	1.7 U	**6.2**	23 U	12 U
Tetrachloroethene	**24**	**8.1**	**3.4**	**3.3**	**1.9**	**0.42 J**	**0.59 J**	**0.83 J**	**2000**	**900**
Trichloroethene	**14**	**3.0**	**1.0**	**1.1**	**1.7**	**0.16 J**	**0.18 J**	**0.20 J**	**230**	**140**
Vinyl chloride	0.51 U	0.089 U	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	6.6 U	3.7 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 West									
Sample Name:	7W-IA-1-032417	7W-IA-1-2018	7W-IA-2019	7W-IA-1-2020	7W-IA-1-2021	7W-IA-1-2022	7W-IA-1-032923	7W-IA-1	7W-SS-1-032417	7W-SS-1-2018
Sample Date:	03/24/2017	03/08/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/24/2017	03/08/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	6.6 U	11 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	ND	0.79 U	0.79 U	4.8 U	1.4 U
Carbon tetrachloride	**0.55 J**	**0.41**	**0.36**	**0.29 J**	**0.39 J**	**0.35 J**	**0.16 J**	**0.33 J**	7.6 U	2.2 U
cis-1,2-Dichloroethene	**3.1**	**3.7**	**0.68**	**1.0**	**0.55 J**	**0.61 J**	**0.49 J**	**0.43 J**	4.8 U	**1.9**
Methylene chloride	**1.5 J**	**0.40 J**	1.7 U	0.94 U	1.7 U	**2.0**	1.7 U	1.7 U	11 U	17 U
Tetrachloroethene	**4.8**	**6.5**	**1.9**	**4.3**	**1.7**	**2.7**	**2.2**	**2.8**	**25**	**9.6 J**
Trichloroethene	**4.1**	**4.8**	**1.2**	**2.9**	**1.5**	**1.7**	**1.4**	**1.4**	**3.7 J**	**3.5**
Vinyl chloride	**0.12 J**	0.089 U	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	3.1 U	0.89 U

Notes:

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3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 West									
Sample Name:	7W-IA-2-032417	7W-IA-2-2018	7W-IA-2019	7W-IA-2-2020	7W-IA-2-2021	7W-IA-2-2022	7W-IA-2-032923	7W-IA-2	7W-SS-2-032417	7W-SS-2-2018
Sample Date:	03/24/2017	03/08/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/24/2017	03/08/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	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	7.5 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.96 U
Carbon tetrachloride	**0.48 J**	**0.54**	**0.37**	**0.29 J**	**0.45 J**	**0.35 J**	**0.22 J**	**0.36 J**	**0.47 J**	1.5 U
cis-1,2-Dichloroethene	**0.68 J**	**1.1**	**0.32**	**0.21 J**	**0.31 J**	**0.32 J**	**0.33 J**	**0.44 J**	**1.2**	**0.80 J**
Methylene chloride	**1.2 J**	**1.3 J**	**5**	**5.7**	1.7 U	**0.96 J**	**0.85 J**	1.7 U	**0.94 J**	12 U
Tetrachloroethene	**4.6**	**2.7**	**1.4**	**3.3**	**2.4**	**1.7**	**1.4**	**2.7**	**270**	**270**
Trichloroethene	**2.5**	**4.3**	**0.92**	**2.6**	**4.4**	**2.3**	**0.66 J**	**1.7**	**13**	**18**
Vinyl chloride	0.51 U	0.089 U	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.62 U

Notes:

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3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 West									
Sample Name:	7W-IA-3-032417	7W-IA-3-2018	7W-IA-3-2019	7W-IA-3-2020	7W-IA-3-2021	7W-IA-3-2022	7W-IA-3-032823	7W-IA-3	7W-SS-3-032417	7W-SS-3-2018
Sample Date:	03/24/2017	03/08/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/24/2017	03/08/2018
Volatile Organic Compounds (ug/M3)										
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	27 U	17 U
1,1-Dichloroethene	0.79 U	0.14 U	0.14 U	0.15 U	0.79 U	0.76 U	0.79 U	0.79 U	20 U	2.2 U
Carbon tetrachloride	**0.51 J**	**0.38**	**0.35**	**0.36 J**	1.3 U	**0.39 J**	**0.49 J**	**0.34 J**	32 U	3.5 U
cis-1,2-Dichloroethene	0.79 U	**0.54**	**0.2**	**0.46 J**	**0.55 J**	**0.34 J**	**0.44 J**	**0.45 J**	**140**	**97**
Methylene chloride	**1.1 J**	**0.38 J**	**3.7**	**4.0**	1.7 U	**4.4**	**1.6 J**	**11**	44 U	28 U
Tetrachloroethene	**11**	**2.7**	**1.1 J**	**2.5**	**0.33 J**	**2.2**	**3.7**	**4.6**	**3200**	**1700**
Trichloroethene	**1.9**	**1.9**	**0.38**	**1.0 J**	1.1 U	**1.1**	**1.8**	**0.89 J**	**2100**	**1600**
Vinyl chloride	0.51 U	0.089 U	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	13 U	1.4 U

Notes:

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2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 West											
Sample Name:	7W-IA-4-032417	7W-IA-4-2018	7W-IA-2019	7W-IA-4-2020	7W-IA-4-2021	7W-IA-4-2022	7W-IA-4-032923	7W-IA-4	7W-SS-4-032417	7W-SS-4-2018	7W-IA-5-032417	7W-IA-5-2018
Sample Date:	03/24/2017	03/08/2018	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/24/2017	03/08/2018	03/24/2017	03/08/2018
Volatile Organic Compounds (ug/M3)												
1,1,1-Trichloroethane	2.2 U	3.3 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	110 U	1.1 U	2.7 U	1.6 U
1,1-Dichloroethene	1.6 U	0.41 U	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	83 U	1.3	2.0 U	1.2 U
Carbon tetrachloride	**0.52 J**	0.35 J	0.37	0.33 J	0.31 J	0.35 J	0.28 J	0.34 J	130 U	0.41	3.1 U	0.47 J
cis-1,2-Dichloroethene	**0.95 J**	1.3	0.14 U	0.33 J	0.36 J	0.79 U	**0.10 J**	0.41 J	**620**	770	1.1 J	0.76 J
Methylene chloride	**2.1 J**	1.2 J	1.7 J	1.7 U	1.7 U	4.0	0.66 J	0.81 J	180 U	1.2 J	1.8 J	0.72 J
Tetrachloroethene	**4.4**	2.9 J	0.82 J	2.0	15 U	0.49 J	0.35 J	2.3	**350**	260	5.9	4.4
Trichloroethene	**1.5 J**	1.6	0.18 J	0.47 J	0.48 J	0.19 J	1.1 U	0.65 J	**16000**	21000	1.3 J	0.81 J
Vinyl chloride	1.0 U	0.27 U	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	54 U	0.13	1.3 U	0.77 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Building 7 West								Ambient Outside Air						
Sample Name:	7W-IA-5-2019	7W-IA-5-2020	7W-IA-5-2021	7W-IA-5-2022	7W-IA-5-032923	7W-IA-5	7W-SS-5-032417	7W-SS-5-2018	OA-1-032217	OA-2-032317	OA-3-032417	8-10-OA-1-2018	7E-7A-OA-1-2018	OA-1-2018	OA-1-2019
Sample Date:	4/18/2019	2/26/2020	3/4/2021	3/2/2022	3/29/2023	3/22/2024	03/24/2017	03/08/2018	03/22/2017	03/23/2017	03/24/2017	03/06/2018	03/07/2018	03/08/2018	4/17/2019
Volatile Organic Compounds (ug/M3)															
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.18 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethene	0.14 U	0.15 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.14 U	0.79 U	0.79 U	0.79 U	0.14 U	0.14 U	0.79 U	0.14 U
Carbon tetrachloride	0.35	0.33 J	0.43 J	0.38 J	0.30 J	0.37 J	**0.37 J**	0.34	**0.36 J**	**0.36 J**	**0.49 J**	0.37	0.55	0.43 J	0.38 J
cis-1,2-Dichloroethene	0.18	0.66 J	1.3	0.9	0.52 J	0.65 J	**1.2**	1.8	0.79 U	0.79 U	0.79 U	0.14 U	0.14 U	0.79 U	0.14 U
Methylene chloride	6.6	17	1.7 U	**0.74 J**	1.7 U	44	**0.94 J**	1.0 J	**0.37 J**	**0.38 J**	**6.2**	**0.72 J**	0.63 J	0.43 J	1.7 U
Tetrachloroethene	1.9	5.1	6.3	4.7	4.1	4.4	**110**	100	1.4 U	**0.68 J**	**0.16 J**	1.4 U	0.17 J	**0.59 J**	1.4 U
Trichloroethene	0.23	0.75 J	1.3	0.62 J	0.53 J	0.81 J	**22**	37	1.1 U	1.1 U	1.1 U	0.19 U	0.19 U	**0.091 J**	0.19 U
Vinyl chloride	0.10 U	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.089 U	0.51 U	0.51 U	0.51 U	0.089 U	0.089 U	0.51 U	0.10 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Ambient Outside Air										
Sample Name:	OA-2-2019	10-OA-2-2019	OA-1-112519	OA-1-2020	OA-2-2020	10-OA-073020	OA-112320	OA-1-2021	OA-2-2021	OA-112921	OA-1-2022
Sample Date:	4/18/2019	7/29/2019	11/25/2019	2/25/2020	2/26/2020	7/30/2020	11/23/2020	3/3/2021	3/4/2021	11/29/2021	3/1/2022
Volatile Organic Compounds (ug/M3)											
1,1,1-Trichloroethane	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-Dichloroethene	0.14 U	0.14 U	0.14 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
Carbon tetrachloride	**0.33 J**	**0.27 J**	**0.36**	**0.44 J**	**0.29 J**	**0.33 J**	**0.50 J**	**0.43 J**	**0.41 J**	**0.38 J**	**0.33 J**
cis-1,2-Dichloroethene	0.14 U	0.20 U	0.14 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
Methylene chloride	**6.6**	**26**	1.7 U	1.7 U	1.7 U	1.7 U	**1.7**	1.7 U	1.7 U	**4.0**	**0.90 J**
Tetrachloroethene	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
Trichloroethene	0.19 U	0.19 U	0.19 U	1.1 U	0.19 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vinyl chloride	0.089 U	0.20 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.51 U	0.51 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

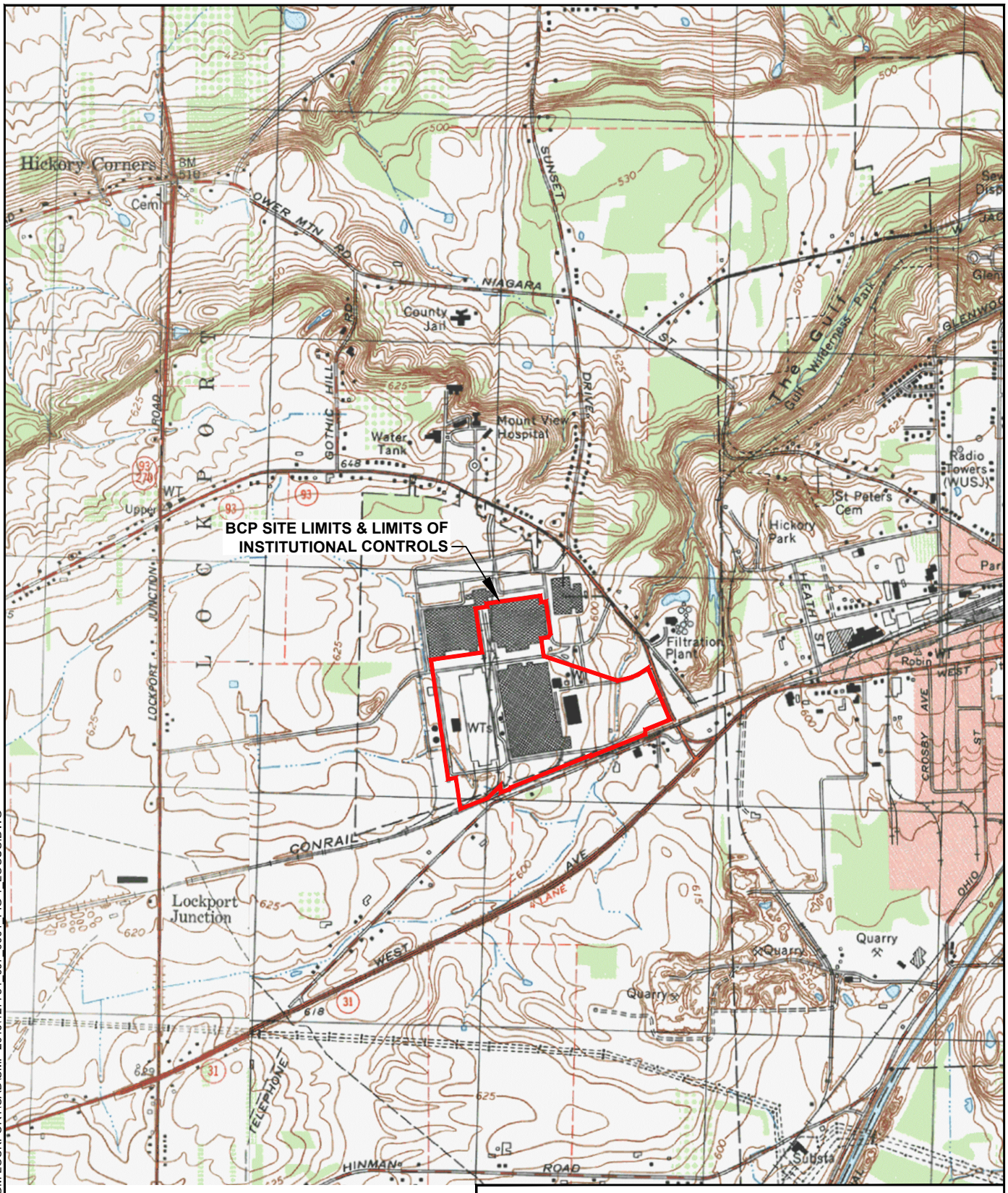
TABLE 2
SUMMARY OF INDOOR AIR AND OUTDOOR AIR SAMPLING RESULTS
GMCH LOCKPORT BCP SITE #932138

Location ID:	Ambient Outside Air								
Sample Name:	OA-2-2022	OA-072122	OA-121422	OA-1-032823	OA-1-32124	OA-2-032923	OA-2-32224	OA-10-080923	OA-10-121523
Sample Date:	3/2/2022	7/21/2022	12/14/2022	3/28/2023	3/21/2024	3/29/2023	3/22/2024	8/9/2023	12/15/2023
Volatile Organic Compounds (ug/M3)									
1,1,1-Trichloroethane	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-Dichloroethene	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
Carbon tetrachloride	**0.35 J**	**0.49 J**	**0.49 J**	**0.20 J**	**0.34 J**	**0.25 J**	**0.36 J**	**0.31 J**	**0.30 J**
cis-1,2-Dichloroethene	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
Methylene chloride	**0.75 J**	**3.1**	**0.64 J**	**0.85 J**	**1.0 J**	1.7 U	**1.6 J**	1.7 U	1.7 U
Tetrachloroethene	1.4 U	**0.46 J**	**0.27 J**	1.4 U	1.4 U	1.4 U	1.4 U	**1.2 J**	**0.43 J**
Trichloroethene	1.1 U	1.1 U	**0.27 J**	1.1 U	1.1 U	1.1 U	1.1 U	**0.26 J**	1.1 U
Vinyl chloride	0.11 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U

Notes:

1. Bold values are detected parameters.
2. Green Values indicate a reducing concentration trend.
3. Red Values indicate an increasing concentration trend.
4. U = Parameter Not Detected at a Concentration greater than the Reporting Limit.
5. J = Parameter Detected but the Concentration is an Estimated Value.

FIGURES



SITE COORDINATES: 43°10'2"N 78°44'12"W

U.S.G.S. QUADRANGLE LOCKPORT, NEW YORK

HALEY ALDRICH

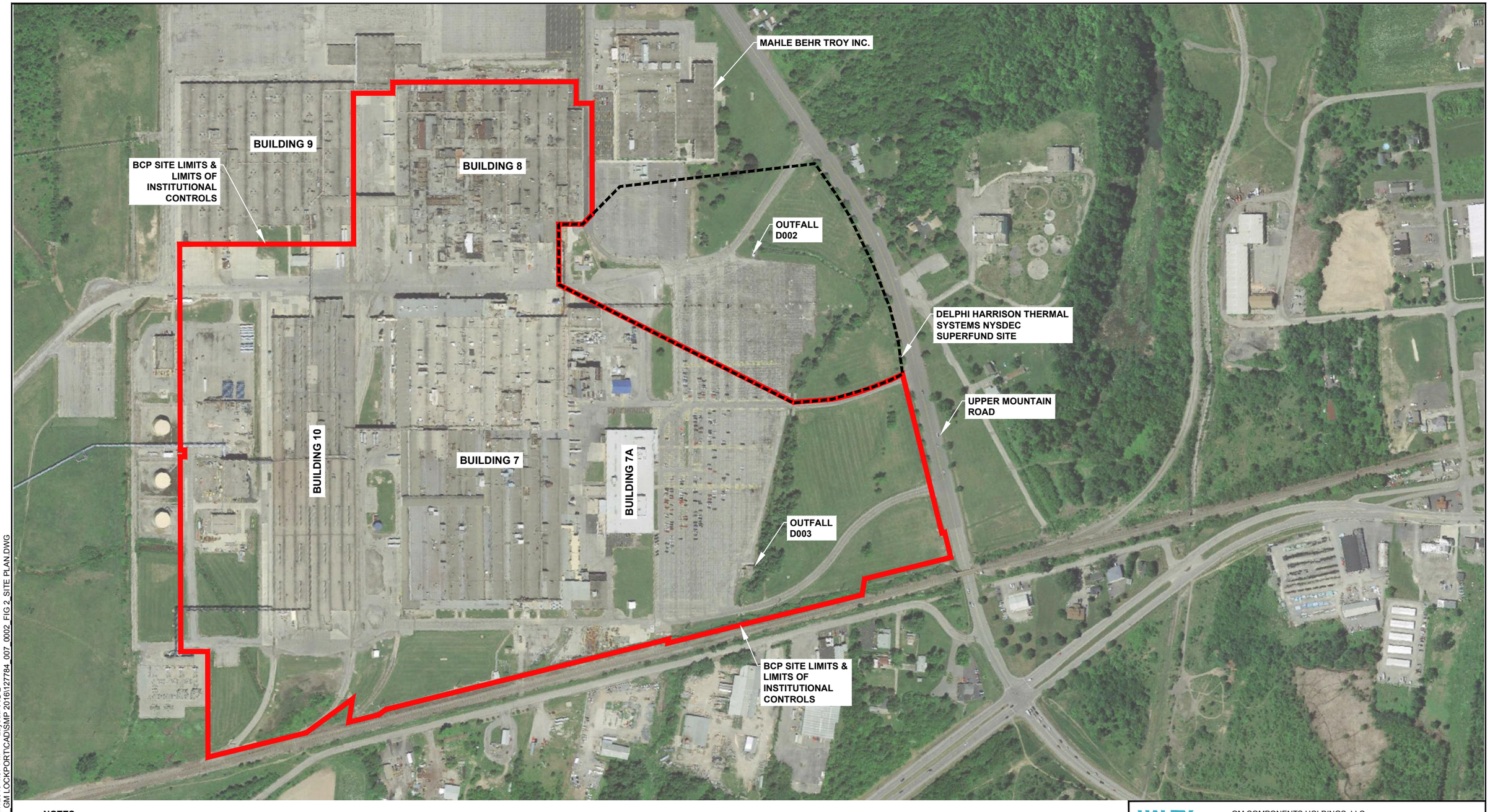
GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

PROJECT LOCUS

SCALE: 1:24000
NOVEMBER 2016

FIGURE 1

VARI, KATALIN Printed: 11/7/2016 4:53 PM Layout: FIG 1
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0001_FIG 1_LOCUS.DWG



NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. SITE BOUNDARY UPDATED PER SURVEY PROVIDED BY MACINTOSH & MACINTOSH, P.C., DATED AUGUST 11, 2015.
3. AERIAL IMAGERY COURTESY OF GOOGLE EARTH PRO, DATED JUNE 2015.

N

0 400 800

SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

SITE PLAN

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 2

VARI, KATALIN Printed: 11/7/2016 4:57 PM Layout: FIG 2
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0002_FIG 2_SITE PLAN.DWG

BUILDING 7

7-M-2	0-2
Benzo(a)pyrene	1.2J [BC]

7-M-3	6-7.8
Aroclor 1248	1.6 [B]

7-C-3	2-4
Benzo(a)anthracene	46 [ABC]
Benzo(a)pyrene	25 [ABC]
Benzo(b)fluoranthene	35 [ABC]
Dibenzo(a,h)anthracene	3J [BC]
Indeno(1,2,3-cd)pyrene	9.4 [AB]

7-C-2	0-2
Benzo(a)anthracene	8.8 [AB]
Benzo(a)pyrene	7.2J [BC]
Benzo(b)fluoranthene	9.7 [AB]
Dibenzo(a,h)anthracene	1.8J [BC]

7-SB-12	1-4
Lead	1620 [AB]

7-G-3-B	6-8
PCE	340D [ABC]

7-R-1	6-8
Benzo(a)pyrene	2.4 [BC]

7-G-8-B	3-10
PCE	1000D [ABC]

7-R-3	6-7.5
Benzo(a)pyrene	5.5 [BC]
Dibenzo(a,h)anthracene	1.2 [BC]
Benzo(b)fluoranthene	12D [ABC]
Copper	307 [B]

7-G-8-C	8-10.5
PCE	510D [ABC]

7-G-4-C	8-10.7
Aroclor 1248	11 [AB]

7-FF-1, 7-FF-2, 7-L-1, 7-M-1, 7-M-2, 7-M-3, 7-M-4, 7-M-5, 7-M-6, 7-G-7-A, 7-G-7-B, 7-G-3-A, 7-G-3-B, 7-G-3-C, 7-G-11-A, 7-G-11-B, 7-G-11-C, 7-G-6-A, 7-G-6-B, 7-R-1, 7-R-2, 7-G-8-A, 7-G-8-B, 7-G-8-C, 7-G-5-A, 7-G-5-B, 7-G-5-C, 7-R-3, 7-G-10-A, 7-G-10-B, 7-G-10-C, 7-A-1, 7-G-4-A, 7-G-4-B, 7-G-4-C, 7-G-4-D, 7-G-4-E, 7-G-2-A, 7-G-2-B, 7-G-2-C, 7-B-1, 7-B-2, 7-B-3, 7-G-A-7, 7-A-2, 7-A-4, 7-A-5, 7-A-8, 7-A-9, 7-G-1-A, 7-G-1-B, 7-G-1-C, 7-G-1-D

MW-10-3, MW-7-7, MW-7-A-6, MW-7-8, MW-7-P-1, MW-7-6, MW-7-5, MW-7-C-2, MW-8, MW-9

7-SB-1, 7-SB-2, 7-SB-3, 7-SB-4, 7-SB-5, 7-SB-6, 7-SB-7, 7-SB-8, 7-SB-9, 7-SB-10, 7-SB-11, 7-SB-12, 7-112-A, 7-112-BR, GS-A, GS-B, GS-C

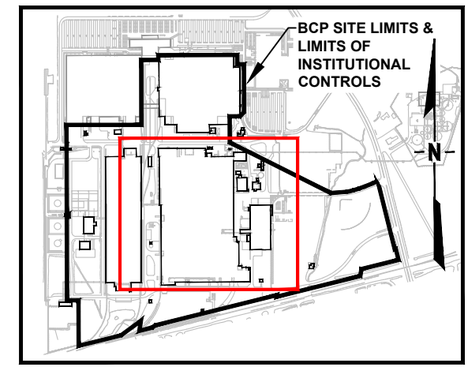
BCP SITE LIMITS & LIMITS OF INSTITUTIONAL CONTROLS

LEGEND

- APPROXIMATE LOCATION OF SOIL BORING
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF MONITORING WELL

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. DATA RESULTS ARE SHOWN IN mg/kg.
3. CHEMICALS SHOWN IN DATABOXES EXCEEDED NYSDEC SOIL CLEANUP OBJECTIVES.
4. RESULTS IN RED EXCEED NYSDEC SOIL CLEANUP OBJECTIVES:
   [A] - PROTECTION OF GROUNDWATER CRITERIA
   [B] - RESTRICTED COMMERCIAL CRITERIA
   [C] - RESTRICTED INDUSTRIAL CRITERIA
5. DATA QUALIFIERS:
   J - ESTIMATED RESULT
   D - DILUTION REQUIRED



SITE KEY
NOT TO SCALE

N

0 150 300
SCALE IN FEET

HALEY ALDRICH

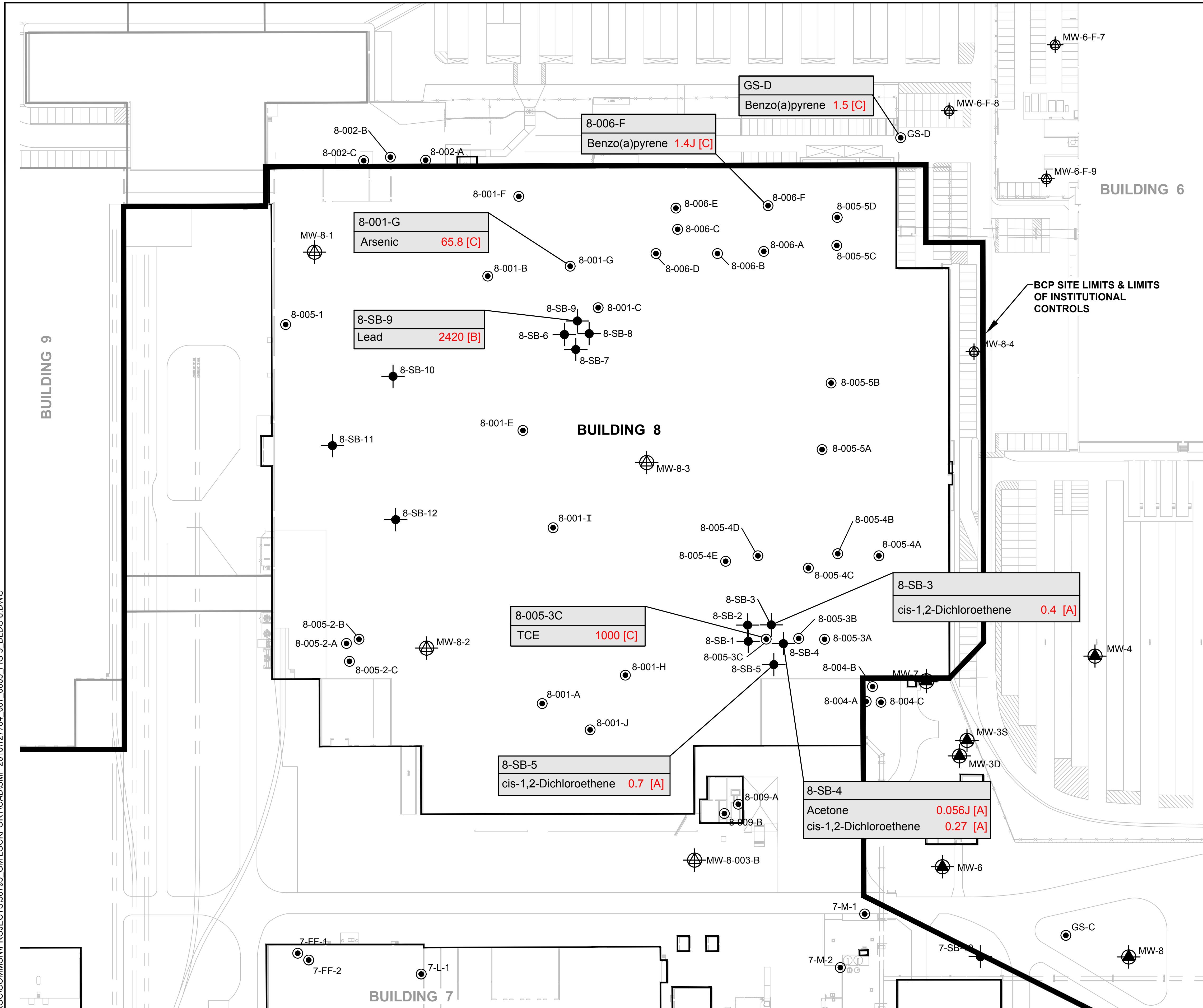
GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 7 SOIL ANALYTICAL EXCEEDANCES SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 4

VARI, KATALIN Printed: 11/7/2016 1:14 PM Layout: SOIL FIG 4
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0004_FIG 4_BLDG 7.DWG

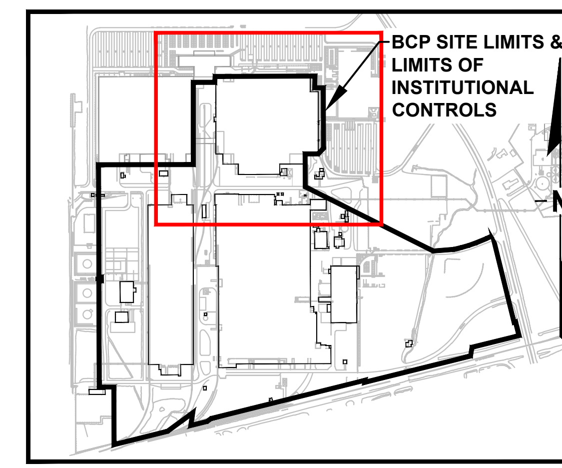


LEGEND

- TCE AREA MONITORING WELL WITHIN THE ENVIRONMENTAL EASEMENT AREA, PREVIOUSLY LOCATED. (APPROXIMATE LOCATION)
- APPROXIMATE LOCATION OF SOIL BORING
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF MONITORING WELL

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. DATA RESULTS ARE SHOWN IN mg/kg.
3. CHEMICALS SHOWN IN DATABOXES EXCEEDED NYSDEC SOIL CLEANUP OBJECTIVES.
4. RESULTS IN RED EXCEED NYSDEC SOIL CLEANUP OBJECTIVES:
   [A] - PROTECTION OF GROUNDWATER CRITERIA
   [B] - RESTRICTED COMMERCIAL CRITERIA
   [C] - RESTRICTED INDUSTRIAL CRITERIA
5. DATA QUALIFIERS:
   J - ESTIMATED RESULT
   D - DILUTION REQUIRED



SITE KEY
NOT TO SCALE

0 120 240
SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 8
SOIL ANALYTICAL EXCEEDANCES
SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 5

VARI, KATALIN Printed: 11/7/2016 1:17 PM Layout: SOIL FIG 5
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0005_FIG 5_BLDG 8.DWG

10-SB-11	12/30/2010 2 - 4 ft BGS
Volatile Organic Compounds Tetrachloroethene	21 [B]

SP-7	10/20/2010 4 - 6 ft BGS
Volatile Organic Compounds Tetrachloroethene	297 [AB]

SP- 1	10/2010 2 - 4 BGS
Volatile Organic Compounds Tetrachloroethene	770 [ABC]

SP- 16	10/2010 2 - 4 BGS
Volatile Organic Compounds Tetrachloroethene	1.9 [A]

10-SB-12	12/30/2010 4 - 6 ft BGS
Volatile Organic Compounds Tetrachloroethene	460 [AB]

10-SB-15	12/30/2010 6 - 8 ft BGS
Volatile Organic Compounds Tetrachloroethene	350 [AB]

SP-2	10/2010 2 - 4 ft BGS
Volatile Organic Compounds Tetrachloroethene	4.7 [A]

SP- 19	10/2010 4 - 6 BGS
Volatile Organic Compounds Tetrachloroethene	2.5 [A]

SP-8	10/2010 2 - 4 ft BGS
Volatile Organic Compounds Tetrachloroethene	3.0 [A]

10-SB-105	10/2010 0 - 2 ft BGS
Metals Cadmium	22.3 [AB]

10-SB-16	12/30/2010 2 - 4 ft BGS
Volatile Organic Compounds Tetrachloroethene	70 [A]

10-SB-14	12/30/2010 6 - 8 ft BGS
Volatile Organic Compounds Tetrachloroethene	870 [AB]

SP-13	10/2010 2 - 4 ft BGS
Volatile Organic Compounds Tetrachloroethene	3.0 [A]

SP- 21	10/2010 0.5 - 2 ft / 6 - 8 BGS
Volatile Organic Compounds Tetrachloroethene	8.9 [A] / 2.6 [A]

SP-18	10/2010 0.5 - 2 ft BGS
Volatile Organic Compounds Tetrachloroethene	3.2 [A]

10-SB-17	12/30/2010 4 - 6 ft BGS
Volatile Organic Compounds Tetrachloroethene	5 [A]

BUILDING 10

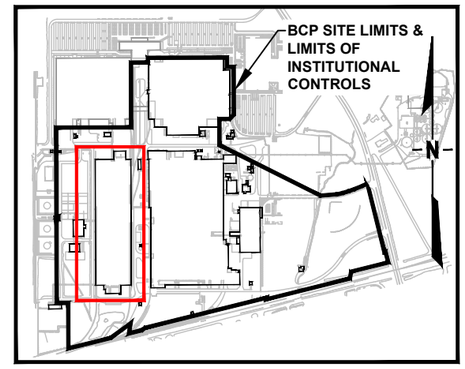
BCP SITE LIMITS & LIMITS OF INSTITUTIONAL CONTROLS

LEGEND

- APPROXIMATE LOCATION OF MONITORING WELL
- APPROXIMATE LOCATION OF SOIL BORING
- APPROXIMATE LOCATION OF AIR SAMPLE
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF SOIL PROBES (GZA, OCTOBER 2010)

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. THE LOCATIONS OF THE MONITORING WELLS WERE DETERMINED BY GEOENVIRONMENTAL OF NEW YORK. THE LOCATIONS OF MONITORING WELLS SHOULD BE CONSIDERED APPROXIMATE. DATABOXES SHOWN IN MG/KG.
3. CHEMICALS SHOWN IN DATABOXES EXCEEDED CRITERIA FOR BUILDING.
4. RESULTS IN RED EXCEED CRITERIA:
   [A] - RESTRICTED INDUSTRIAL CRITERIA
   [B] - PROTECTION OF GROUNDWATER CRITERIA



SITE KEY
NOT TO SCALE

N

0 150 300
SCALE IN FEET

HALEY ALDRICH

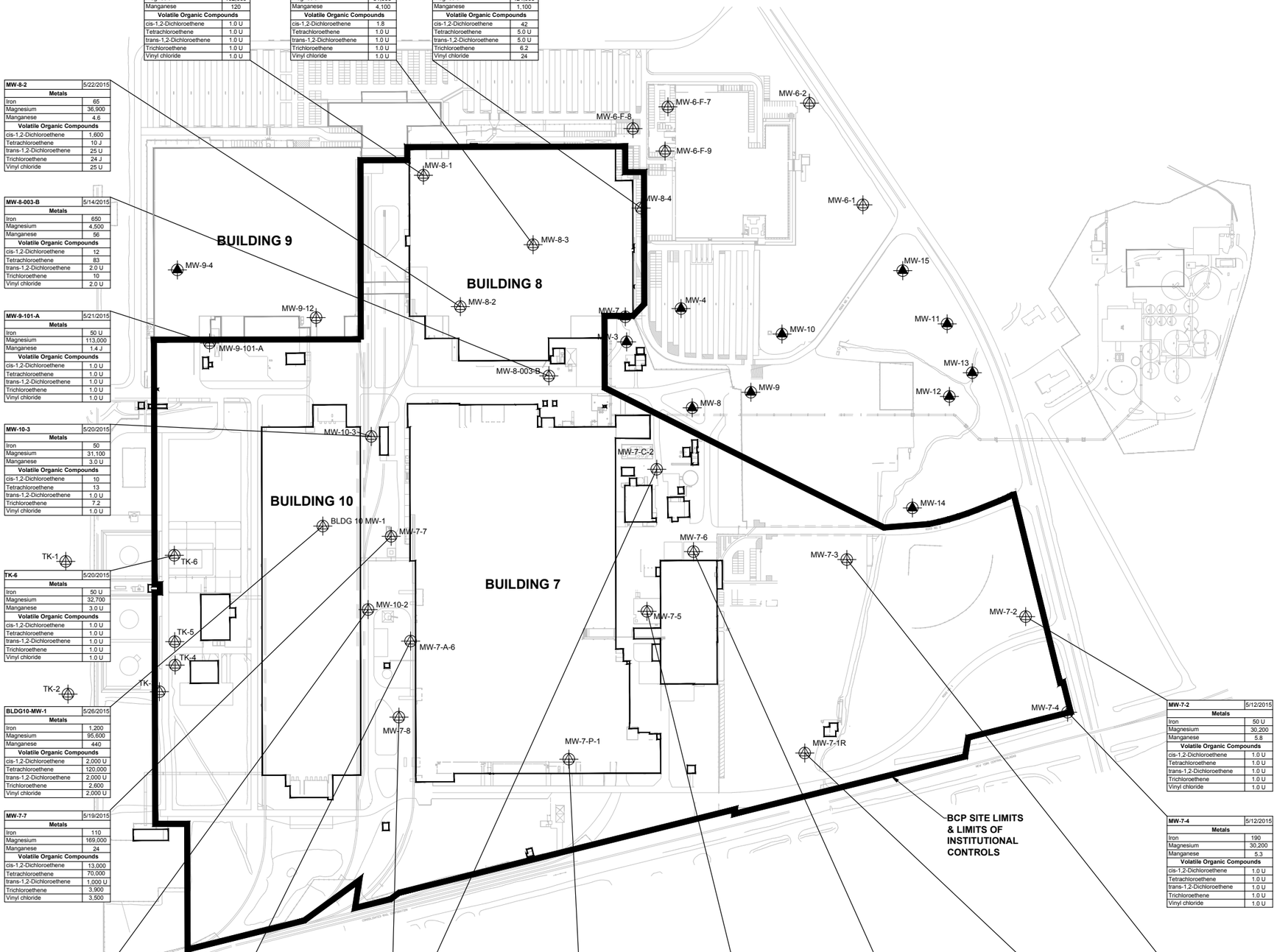
GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 10
SOIL ANALYTICAL EXCEEDANCES SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 6

VARI, KATALIN Printed: 11/7/2016 1:19 PM Layout: SOIL FIG 6
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0006_FIG 6_BLDG 10.DWG



MW-8-1	5/22/2015
Metals	
Iron	40 J
Magnesium	102,000
Manganese	120
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-8-3	5/22/2015
Metals	
Iron	1,000
Magnesium	61,000
Manganese	4,100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.8
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-8-4	5/12/2015
Metals	
Iron	2,400
Magnesium	124,000
Manganese	1,100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	42
Tetrachloroethene	5.0 U
trans-1,2-Dichloroethene	5.0 U
Trichloroethene	6.2
Vinyl chloride	24

MW-8-2	5/22/2015
Metals	
Iron	65
Magnesium	36,900
Manganese	4.6
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1,600
Tetrachloroethene	10 J
trans-1,2-Dichloroethene	25 U
Trichloroethene	24 J
Vinyl chloride	25 U

MW-8-003-B	5/14/2015
Metals	
Iron	650
Magnesium	4,500
Manganese	56
Volatile Organic Compounds	
cis-1,2-Dichloroethene	12
Tetrachloroethene	83
trans-1,2-Dichloroethene	2.0 U
Trichloroethene	10
Vinyl chloride	2.0 U

MW-9-101-A	5/21/2015
Metals	
Iron	50 U
Magnesium	113,000
Manganese	1.4 J
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-10-3	5/20/2015
Metals	
Iron	50
Magnesium	31,100
Manganese	3.0 U
Volatile Organic Compounds	
cis-1,2-Dichloroethene	10
Tetrachloroethene	13
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	7.2
Vinyl chloride	1.0 U

TK-6	5/20/2015
Metals	
Iron	50 U
Magnesium	32,700
Manganese	3.0 U
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

BLDG10-MW-1	5/26/2015
Metals	
Iron	1,200
Magnesium	95,600
Manganese	440
Volatile Organic Compounds	
cis-1,2-Dichloroethene	2,000 U
Tetrachloroethene	120,000
trans-1,2-Dichloroethene	2,000 U
Trichloroethene	2,600
Vinyl chloride	2,000 U

MW-7	5/19/2015
Metals	
Iron	110
Magnesium	169,000
Manganese	24
Volatile Organic Compounds	
cis-1,2-Dichloroethene	13,000
Tetrachloroethene	70,000
trans-1,2-Dichloroethene	1,000 U
Trichloroethene	3,900
Vinyl chloride	3,500

MW-7-2	5/12/2015
Metals	
Iron	50 U
Magnesium	30,200
Manganese	5.8
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-7-4	5/12/2015
Metals	
Iron	190
Magnesium	30,200
Manganese	5.3
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-10-2	5/19/2015
Metals	
Iron	55
Magnesium	71,000
Manganese	100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1,300
Tetrachloroethene	150
trans-1,2-Dichloroethene	18 J
Trichloroethene	140
Vinyl chloride	38

MW-7-A-6	5/18/2015
Metals	
Iron	280
Magnesium	124,000
Manganese	1,100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	28,000
Tetrachloroethene	120,000
trans-1,2-Dichloroethene	5,000 U
Trichloroethene	19,000
Vinyl chloride	5,000 U

MW-7-8	5/19/2015
Metals	
Iron	18,500
Magnesium	230,000
Manganese	450
Volatile Organic Compounds	
cis-1,2-Dichloroethene	790
Tetrachloroethene	140
trans-1,2-Dichloroethene	3.8 J
Trichloroethene	43
Vinyl chloride	32

MW-7-C-2	5/15/2015
Metals	
Iron	400
Magnesium	111,000
Manganese	190
Volatile Organic Compounds	
cis-1,2-Dichloroethene	390
Tetrachloroethene	5.0 U
trans-1,2-Dichloroethene	5.0 U
Trichloroethene	5.0 U
Vinyl chloride	36

MW-7-P-1	5/26/2015
Metals	
Iron	72,900
Magnesium	457,000
Manganese	9,100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	2.0
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	2.3
Trichloroethene	0.93 J
Vinyl chloride	7.4

MW-7-5	5/18/2015
Metals	
Iron	130
Magnesium	142,000
Manganese	1,100
Volatile Organic Compounds	
cis-1,2-Dichloroethene	460
Tetrachloroethene	5,400
trans-1,2-Dichloroethene	100 U
Trichloroethene	580
Vinyl chloride	100 U

MW-7-6	5/15/2015
Metals	
Iron	92
Magnesium	85,900
Manganese	190
Volatile Organic Compounds	
cis-1,2-Dichloroethene	440
Tetrachloroethene	430
trans-1,2-Dichloroethene	10 U
Trichloroethene	240
Vinyl chloride	40

MW-7-1R	5/11/2015
Metals	
Iron	71
Magnesium	106,000
Manganese	340
Volatile Organic Compounds	
cis-1,2-Dichloroethene	1.0 U
Tetrachloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Trichloroethene	1.0 U
Vinyl chloride	1.0 U

MW-7-3	5/11/2015
Metals	
Iron	3,400
Magnesium	234,000
Manganese	350
Volatile Organic Compounds	
cis-1,2-Dichloroethene	10 U
Tetrachloroethene	10 U
trans-1,2-Dichloroethene	10 U
Trichloroethene	10 U
Vinyl chloride	50

LEGEND

TCE AREA MONITORING WELL WITHIN THE DELPHI HARRISON THERMAL SYSTEM SITE AREA (SITE #932 113) (APPROXIMATE LOCATION).

LOCATION OF BCP MONITORING WELL

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. THE LOCATIONS OF THE MONITORING WELLS WERE DETERMINED BY GZA GEOENVIRONMENTAL OF NEW YORK AND ARE CONSIDERED APPROXIMATE.
3. DATA IN UNITS OF UG/L.
4. CONTAMINANTS OF CONCERN SHOWN IN DATABOXES.
5. DATA QUALIFIERS:
   U - RESULT WAS NOT DETECTED ABOVE REPORTING LIMIT.
   J OR B - ESTIMATED RESULT

N

0 200 400 600 800

SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BCP SITE GROUNDWATER ANALYTICAL RESULTS SUMMARY 2015

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 7

VARI, KATALIN Printed: 11/9/2016 5:11 PM Layout: FIG 7
\\ROC\COMMON\PROJECTS\36795 GM LOCKPORT\CAD\SMP 2016\127784 007 0007 FIG 7 GW RESULTS.DWG

7-VI-6	7-VI-6IA 1/18/2011	7-VI-6IA 1/20/2011	7-VI-6SS 1/20/2011
1,1,1-Trichloroethane	2.2 U/1.1 U	0.87 U	0.87 U
1,1-Dichloroethene	0.79 U/1.6 U	0.63 U	0.63 U
Carbon tetrachloride	1.3 U/0.64	0.51	0.50 U
cis-1,2-Dichloroethene	0.79 U/1.6 U	1.2	2.0
Tetrachloroethene	9.6/11	4.7	12
Trichloroethene	7.2/5.6	3.5	160
Vinyl chloride	1.0 U/0.51 U	0.41 U	0.41 U

7-VI-7	7-VI-7IA 1/18/2011	7-VI-7SS 1/18/2011
1,1,1-Trichloroethane	1.1 U	10000 U
1,1-Dichloroethene	0.79 U	7900
Carbon tetrachloride	0.63 U	6000 U
cis-1,2-Dichloroethene	1.3	2400000
Tetrachloroethene	16	7600000
Trichloroethene	10	1800000
Vinyl chloride	0.51 U	24000

7-VI-8	7-VI-8IA 1/18/2011	7-VI-8SS 1/18/2011
1,1,1-Trichloroethane	2.3 U	220 U
1,1-Dichloroethene	1.7 U	160 U
Carbon tetrachloride	1.4 U	130 U
cis-1,2-Dichloroethene	34	2000
Tetrachloroethene	230	70000
Trichloroethene	53	16000
Vinyl chloride	1.1 U	100 U

7-VI-9	7-VI-9IA 1/18/2011	7-VI-9SS 1/18/2011
1,1,1-Trichloroethane	0.44 U	20 U
1,1-Dichloroethene	0.32 U	130
Carbon tetrachloride	0.51	11 U
cis-1,2-Dichloroethene	1.9	1000
Tetrachloroethene	5.4	11000
Trichloroethene	5.8	1300
Vinyl chloride	0.24	16

7-VI-3	7-VI-3IA 1/18/2011	7-VI-3SS 1/18/2011
1,1,1-Trichloroethane	1.1 U	1.1 U
1,1-Dichloroethene	0.79 U	0.79 U
Carbon tetrachloride	0.63 U	1.7
cis-1,2-Dichloroethene	1.2	0.79 U
Tetrachloroethene	7.3	290
Trichloroethene	6.9	63
Vinyl chloride	0.51 U	0.51 U

7-VI-10	7-VI-10IA 1/18/2011	7-VI-10SS 1/18/2011
1,1,1-Trichloroethane	4.4 U	2.2 U
1,1-Dichloroethene	3.2 U	1.6 U
Carbon tetrachloride	2.5 U	1.3 U
cis-1,2-Dichloroethene	3.2 U	1.6 U
Tetrachloroethene	13	110
Trichloroethene	7.9	17
Vinyl chloride	2.0 U	1.0 U

7-VI-5	7-VI-5IA 1/18/2011	7-VI-5SS 1/18/2011
1,1,1-Trichloroethane	1.1 U	230 U
1,1-Dichloroethene	0.79 U	170 U
Carbon tetrachloride	0.63 U	130 U
cis-1,2-Dichloroethene	0.86	310
Tetrachloroethene	6.5	760
Trichloroethene	4.8	480
Vinyl chloride	0.51 U	310

7-VI-4	7-VI-4IA 1/18/2011	7-VI-4SS 1/18/2011
1,1,1-Trichloroethane	0.87 U	8.7 U
1,1-Dichloroethene	0.63 U	6.3 U
Carbon tetrachloride	0.61	5.0 U
cis-1,2-Dichloroethene	2.3	1700
Tetrachloroethene	6.7	280
Trichloroethene	7.3	2300
Vinyl chloride	0.41 U	46

7-VI-2	7-VI-2IA 1/18/2011	7-VI-2SS 1/18/2011
1,1,1-Trichloroethane	2.2 U	53 U
1,1-Dichloroethene	1.6 U	41
Carbon tetrachloride	1.3 U	31 U
cis-1,2-Dichloroethene	1.6 U	410
Tetrachloroethene	5.0	2200
Trichloroethene	2.7	10000
Vinyl chloride	1.0 U	25 U

7-VI-1	7-VI-1IA 1/18/2011	7-VI-1SS 1/18/2011
1,1,1-Trichloroethane	4.4 U/2.2 U	4.4 U
1,1-Dichloroethene	3.2 U/1.6 U	3.2 U
Carbon tetrachloride	2.5 U/1.3 U	2.5 U
cis-1,2-Dichloroethene	3.2 U/1.6 U	15
Tetrachloroethene	5.4 U/4.0	39
Trichloroethene	2.7/3.0	9.9
Vinyl chloride	2.0 U/1.0 U	2.0 U

7-VI-11	7-VI-11IA 1/18/2011	7-VI-11SS 1/18/2011
1,1,1-Trichloroethane	0.87 U	1.1 U
1,1-Dichloroethene	0.63 U	0.79 U
Carbon tetrachloride	0.59	0.70
cis-1,2-Dichloroethene	0.63 U	6.4
Tetrachloroethene	8.2	200
Trichloroethene	6.5	15
Vinyl chloride	0.41 U	0.51 U

BCP SITE LIMITS & LIMITS OF INSTITUTIONAL CONTROLS

BUILDING 7

7-VI-1 7-VI-2 7-VI-3 7-VI-4 7-VI-5 7-VI-6 7-VI-7 7-VI-8 7-VI-9 7-VI-10 7-VI-11

7A-VI-1 7A-VI-2

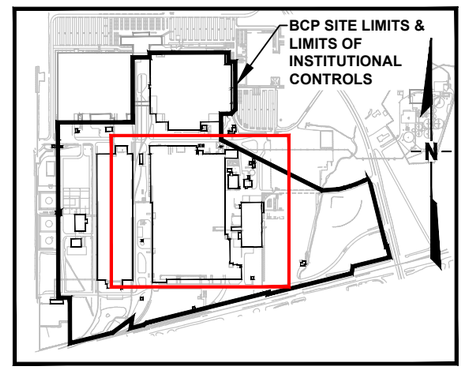
7-FF-1 7-FF-2 7-L-1 7-M-1 7-M-2 7-M-3 7-M-4 7-M-5 7-M-6 7-G-7-A 7-G-7-B 7-G-6-A 7-G-6-B 7-G-5-A 7-G-5-B 7-G-5-C 7-G-4-A 7-G-4-B 7-G-4-C 7-G-4-D 7-G-4-E 7-G-3-A 7-G-3-B 7-G-3-C 7-G-2-A 7-G-2-B 7-G-2-C 7-G-1-A 7-G-1-B 7-G-1-C 7-G-1-D 7-G-8-A 7-G-8-B 7-G-8-C 7-G-10-A 7-G-10-B 7-G-10-C 7-G-11-A 7-G-11-B 7-G-11-C 7-A-1 7-A-4 7-A-5 7-A-7 7-A-9 7-B-1 7-B-2 7-B-3 7-C-3 7-R-1 7-R-2 7-R-3 7-SB-1 7-SB-2 7-SB-3 7-SB-4 7-SB-5 7-SB-6 7-SB-7 7-SB-9 7-SB-10 7-SB-11 7-SB-12 MW-7-A-6 MW-7-C-2 MW-7-P-1 MW-7-5 MW-7-6 MW-8 MW-9 MW-10S GS-B GS-C 5-112-A 5-112-BR

LEGEND

- VAPOR INTRUSION SAMPLING POINT
- APPROXIMATE LOCATION OF SOIL BORING
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF MONITORING WELL

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. THE LOCATIONS OF THE MONITORING WELLS WERE DETERMINED BY GZA GEOENVIRONMENTAL OF NEW YORK. THE LOCATIONS OF MONITORING WELLS SHOULD BE CONSIDERED APPROXIMATE.
3. DATABOXES SHOWN IN UG/M3.
4. ONLY CONTAMINANTS OF CONCERN WITH CRITERIA SHOWN IN BOXES.
5. RESULTS IN RED EXCEED CRITERIA.
6. DATA QUALIFIERS:
   U - RESULT WAS NOT DETECTED ABOVE REPORTING LIMIT.
   J - ESTIMATED RESULT



SITE KEY
NOT TO SCALE

N

0 150 300
SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 7
VAPOR INTRUSION RESULTS SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 8

VARI, KATALIN Printed: 11/14/2016 3:23 PM Layout: VAPOR FIG 8
\\ROC\COMMON\PROJECTS\36795_GM LOCKPORT\CADSMP 2016\127784_007_0008_FIG 8_BLDG 7.DWG

8-VI-2	8-VI-2IA 1/18/2011	8-VI-2SS 1/18/2011
1,1,1-Trichloroethane	0.87 U	2.2 U
1,1-Dichloroethene	0.63 U	1.6 U
Carbon tetrachloride	0.54	1.3 U
cis-1,2-Dichloroethene	1.5	190
Tetrachloroethene	5.0	35
Trichloroethene	7.0	190
Vinyl chloride	0.41 U	1.9

8-VI-1	8-VI-1IA 1/18/2011	8-VI-1SS 1/18/2011
1,1,1-Trichloroethane	2.2 U/1.5	0.87 U
1,1-Dichloroethene	1.6 U/0.63 U	0.63 U
Carbon tetrachloride	0.60/1.3 UJ	0.50 U
cis-1,2-Dichloroethene	2.2/2.1	0.63 U
Tetrachloroethene	9.6/8.9	13
Trichloroethene	11/11	5.7
Vinyl chloride	1.0 U/0.41 U	0.41 U

8-VI-4	8-VI-4IA 1/18/2011	8-VI-4SS 1/18/2011
1,1,1-Trichloroethane	0.87 U	2.2 U
1,1-Dichloroethene	0.63 U	1.6 U
Carbon tetrachloride	0.63	1.3 U
cis-1,2-Dichloroethene	3.7	6.7
Tetrachloroethene	8.7	11
Trichloroethene	16	45
Vinyl chloride	0.41 U	1.0 U

8-VI-3	8-VI-3IA 1/18/2011	8-VI-3SS 1/18/2011
1,1,1-Trichloroethane	0.87 U	0.44 U
1,1-Dichloroethene	0.63 U	0.32 U
Carbon tetrachloride	0.63	0.57
cis-1,2-Dichloroethene	2.6	3.3
Tetrachloroethene	7.2	1.2
Trichloroethene	13	19
Vinyl chloride	0.41 U	0.20 U

8-VI-5	8-VI-5IA 1/18/2011	8-VI-5SS 1/18/2011
1,1,1-Trichloroethane	4.4 U	16000 U
1,1-Dichloroethene	3.2 U	12000 U
Carbon tetrachloride	2.5 U	9400 U
cis-1,2-Dichloroethene	3.3	830000
Tetrachloroethene	11	20000 U
Trichloroethene	11	4200000
Vinyl chloride	2.0 U	7700 U

BCP SITE LIMITS & LIMITS OF INSTITUTIONAL CONTROLS

BUILDING 8

8-VI-1 8-VI-2 8-VI-3 8-VI-4 8-VI-5

MW-8-1 MW-8-2 MW-8-3 MW-8-4 MW-4 MW-7 MW-3S MW-6-F-7 MW-6-F-9 MW-8-003-B

8-001-A 8-001-B 8-001-C 8-001-D 8-001-E 8-001-F 8-001-G 8-001-H 8-001-I 8-001-J

8-002-A 8-002-B 8-002-C

8-004-B 8-004-C

8-005-1 8-005-2-A 8-005-2-B 8-005-2-C 8-005-3A 8-005-3B 8-005-3C 8-005-4A 8-005-4B 8-005-4C 8-005-4D 8-005-4E 8-005-5A 8-005-5B 8-005-5C 8-005-5D

8-006-A 8-006-B 8-006-C 8-006-D 8-006-E 8-006-F

8-009-A

8-SB-1 8-SB-2 8-SB-3 8-SB-4 8-SB-5 8-SB-6 8-SB-7 8-SB-8 8-SB-9 8-SB-10 8-SB-11 8-SB-12

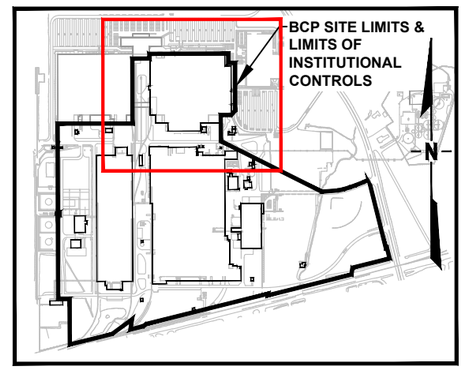
7-M-1 7-M-2 7-SB-1 GS-C GS-D

LEGEND

- VAPOR INTRUSION SAMPLING POINT
- TCE AREA MONITORING WELL WITHIN THE ENVIRONMENTAL EASEMENT AREA, PREVIOUSLY LOCATED. (APPROXIMATE LOCATION)
- APPROXIMATE LOCATION OF SOIL BORING
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF MONITORING WELL

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. THE LOCATIONS OF THE MONITORING WELLS WERE DETERMINED BY GEOENVIRONMENTAL OF NEW YORK. THE LOCATIONS OF MONITORING WELLS SHOULD BE CONSIDERED APPROXIMATE.
3. DATABOXES SHOWN IN UG/M3.
4. ONLY CONTAMINANTS OF CONCERN WITH CRITERIA SHOWN IN BOXES.
5. RESULTS IN RED EXCEED CRITERIA.
6. DATA QUALIFIERS:
   U - RESULT WAS NOT DETECTED ABOVE REPORTING LIMIT.
   J - ESTIMATED RESULT



SITE KEY
NOT TO SCALE

N

0 120 240
SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 8
VAPOR INTRUSION RESULTS SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 9

VARI KATALIN Printed: 11/7/2016 1:24 PM Layout: VAPOR FIG 9
\\ROC\COMMON\PROJECTS\36795 GM LOCKPORT\CAD\SMP 2016\127784 007 0009 FIG 9 BLDG 8.DWG

10-VI-2	10-VI-2IA 1/18/2011	10-VI-2IA 1/20/2011
1,1,1-Trichloroethane	20 U/20 U	20 U
1,1-Dichloroethene	14 U/14 U	14 U
Carbon tetrachloride	11 U/11 U	11 U
cis-1,2-Dichloroethene	14 U/14 U	14 U
Tetrachloroethene	24 U/24 U	24 U
Trichloroethene	9.7 U/9.7 U	9.7 U
Vinyl chloride	9.2 U/9.2 U	9.2 U

10-VI-1	10-VI-1IA 1/18/2011	10-VI-1IA 1/20/2011
1,1,1-Trichloroethane	38 U	8.2 U
1,1-Dichloroethene	28 U	5.9 U
Carbon tetrachloride	22 U	4.8 U
cis-1,2-Dichloroethene	28 U	5.9 U
Tetrachloroethene	47 U	10 U
Trichloroethene	19 U	4.6
Vinyl chloride	18 U	3.8 U

10-VI-2
10-VI-1
SP-1
SP-2
SP-3
SP-4
SP-5
SP-6
SP-8
SP-9
SP-10
SP-11
SP-12
SP-13
SP-15
SP-16
SP-17
SP-18
SP-19
SP-20
SP-21
7-A-1
7-A-4
7-A-5
7-FF-1
7-FF-2
7-L-1
7-M-5
7-G-7-B
7-G-7A
7-G-11-C
7-G-11-B
7-G-11-A
7-G-3-C
7-G-3-B
7-G-5-C
7-G-8-B
7-G-8-A
7-G-8-C
7-G-5-B
7-G-10-C
7-G-10-B
7-G-10-A
7-G-5-A
7-G-4-A
7-G-4-B
7-G-4-D
7-G-4-E
7-G-4-C
7-G-2-B
7-G-2-C
7-G-4-A
7-G-A-7
7-G-A-8
7-G-A-2
7-G-A-9
7-G-1-A
7-G-1-B
7-G-1-C
7-G-1-D

BUILDING 10

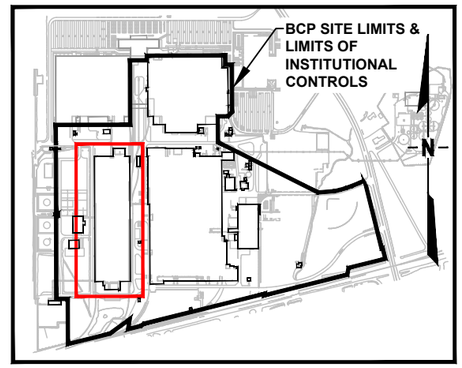
BCP SITE LIMITS & LIMITS OF INSTITUTIONAL CONTROLS

LEGEND

- VAPOR INTRUSION SAMPLING POINT
- ERM BORING LOCATION
- APPROXIMATE LOCATION OF SOIL PROBES (GZA, OCTOBER 2010)

NOTES

1. THIS FIGURE IS BASED ON THE DRAWING PROVIDED BY DELPHI THERMAL AND INTERIOR SYSTEMS, DATED SEPTEMBER 2007.
2. THE LOCATIONS OF THE MONITORING WELLS WERE DETERMINED BY GEOENVIRONMENTAL OF NEW YORK. THE LOCATIONS OF ONITORING WELLS SHOULD BE CONSIDERED APPROXIMATE.
3. DATABOXES SHOWN IN UG/M3.
4. ONLY CONTAMINANTS OF CONCERN WITH CRITERIA SHOWN IN BOXES.
5. RESULTS IN RED EXCEED CRITERIA.
6. DATA QUALIFIERS:
   U - RESULT WAS NOT DETECTED ABOVE REPORTING LIMIT.
   J - ESTIMATED RESULT



SITE KEY
NOT TO SCALE

N

0 150 300
SCALE IN FEET

HALEY ALDRICH

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

BUILDING 10
VAPOR INTRUSION RESULTS SUMMARY

SCALE: AS SHOWN
NOVEMBER 2016

FIGURE 10

VARI, KATALIN Printed: 11/7/2016 1:50 PM Layout: VAPOR FIG 10
\\ROCCOMMON\PROJECTS\36795_GM LOCKPORT\CAD\SMP 2016\127784_007_0010-FIG 10_BLDG 10.DWG